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Wiedner Hauptstrasse 76, Vienna, Austria

Tel: +43-1-586 52 430, Fax: +43-1-586 52 43 44

office@roithner-laser.com, www.roithner-laser.com

last update 2017-01-27

EUR

USD

1,00

1,07248

2017-01-27

LASER DIODES - UV

EUR

USD



UV laser diodes
cw mode
5.6 mm package
375 - 430 nm

1-9 pcs.

1-9 pcs.

RLU4116E, **375 nm**, 70 mW, 5.6 mm

1.500,00

1.608,72

RLT390-50CMG, **390 nm**, 50 mW cw, 5.6 mm, **without photodiode**

o.r.

o.r.

RLT395-50CMG, **395 nm**, 50 mW cw, 5.6 mm, **without photodiode**

o.r.

o.r.

RLT400-50CMG, **400 nm**, 50 mW cw, 5.6 mm, **without photodiode**

700,00

750,74

LASER DIODES - VIOLET

EUR

USD



violet laser diodes
cw and pulse mode
TO-can package

405 - 415 nm

1-9 pcs.

1-9 pcs.

RLT405-50CMG, **405 nm**, 50 mW cw, 5.6 mm, **without photodiode**

700,00

750,74

DL-3146-151, **405 nm**, 5 mW, 5.6 mm, SANYO

18,13

19,44

DL-4146-101S, **405 nm**, 20 mW, 75 °C, 5.6 mm, SANYO

28,90

30,99

DL-4146-301S, **405 nm**, 20 mW, 75 °C, 5.6 mm, SANYO, **without photodiode**

26,01

27,90

DL-5146-101S, **405 nm**, 40 mW, 75 °C, 5.6 mm, SANYO

25,43

27,27

DL-LS5017, **405 nm**, 60 mW, 50 °C, 5.6 mm, SANYO, **without photodiode**

24,57

26,35

DL-7146-101S, **405 nm**, 80 mW, 75 °C, 5.6 mm, SANYO

60,39

64,77

DL-7146-301S, **405 nm**, 80 mW, 75 °C, 5.6 mm, SANYO, **without photodiode**

44,40

47,62

RLV4313, **405 nm**, 120 mW, 70 °C, 5.6 mm, **(short pins)**

147,38

158,06

RLV4512, **405 nm**, 200 mW, 70 °C, 5.6 mm, **without photodiode**

183,48

196,78

SLD3235VF, **405 nm**, 100 mW, 80 °C, 5.6 mm, SONY

39,90

42,79

SLD3236VF, **405 nm**, 150 mW, 80 °C, 5.6 mm, SONY

49,90

53,52

SLD3237VFR, **405 nm**, 200 mW, 70 °C, **3.8 mm**, **without photodiode**, SONY

59,90

64,24

SLD3237VF, **405 nm**, 200 mW, 85 °C, 5.6 mm, SONY

59,90

64,24

LD-405-200, **405 nm**, 200 mW, 70 °C, 5.6 mm, **without photodiode**

208,90

224,04

RLT405500MG, **405 nm**, 500 mW, 50 °C, 5.6 mm **without photodiode NEW!!**

219,00

234,87

RLT410-50CMG, **410 nm**, 50 mW cw, 5.6 mm, **without photodiode**

700,00

750,74

RLT415-50CMG, **415 nm**, 50 mW cw, 5.6 mm, **without photodiode**

700,00

750,74

RLT415-50PMG, **415 nm**, 50 mW, 200 ns **pulse**, mm, 40 °C, 5.6 mm

745,00

799,00

RLT415-200PMG, **415 nm**, 200 mW, 200 ns **pulse**, mm, 40 °C, 5.6 mm

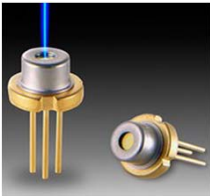
1.050,00

1.126,10


LASER DIODES - BLUE

EUR

USD

	<p>blue laser diodes cw mode TO-can package</p>	<p>420 - 488 nm</p>		
RLT420-50CMG, 420 nm , 50 mW cw, 5.6 mm, <i>without photodiode</i>			700,00	750,74
RLT425-50CMG, 425 nm , 50 mW cw, 5.6 mm, <i>without photodiode</i>			700,00	750,74
RLT430-50CMG, 430 nm , 50 mW cw, 5.6 mm, <i>without photodiode</i>			700,00	750,74
RLT442-50CMG, 442 nm , 50 mW cw, 5.6 mm, <i>without photodiode</i>			700,00	750,74
LD-445-1000MG, 445 nm , 1 W, 30 °C, 5.6 mm, <i>without photodiode</i> , (dismounted)			80,00	85,80
RLB7875, 445 nm , 1.6 W, 50 °C, 9 mm, <i>without photodiode</i>			196,00	210,21
LD-450-80MG, 450 nm , 80 mW, 70 °C, 5.6 mm, <i>without photodiode</i>			48,20	51,69
LD-450-100SG, 450 nm , 100 mW, 70 °C, 3.8 mm , <i>without photodiode</i>			59,80	64,13
LD-450-1600MG, 450 nm , 1.6 W, 70 °C, 5.6 mm, <i>without photodiode</i>			64,80	69,50
NLD453500G, 450 nm , 3.5 W, 50 °C, 9 mm, <i>without photodiode</i>			249,00	267,05
RLA4116, 473 nm , 100 mW, 60 °C, 5.6 mm			5.990,00	6.424,16
LD-488-60MG, 488 nm , 60 mW, 60 °C, 5.6 mm			1.799,00	1.929,39
RLS4116, 488 nm , 60 mW, 60 °C, 5.6 mm			4.990,00	5.351,68

LASER DIODES - GREEN


	EUR	USD
	<p>direct emitting green laser diodes cw mode, modulable > 100 MHz</p>	
<p>--> laser projection</p>		
<p>520 nm</p>		
LD-515-10MG, 515 nm , 10 mW, 60 °C, 5.6 mm		36,90 39,57
LD-515-30SG, 515 nm , 30 mW, 70 °C, 3.8 mm , <i>without photodiode</i>		62,50 67,03
LD-520-50SG, 520 nm , 50 mW, 70 °C, 3.8 mm , <i>without photodiode</i>		74,90 80,33
LD-520-50MG, 520 nm , 50 mW, 60 °C, 5.6 mm		48,00 51,48
LD-520-80SG, 520 nm , 80 mW, 70 °C, 3.8 mm , <i>without photodiode</i>		99,00 106,18
NLD52100SG, 520 nm , 100 mW, 50 °C, 3.8 mm , <i>without photodiode</i>		146,00 156,58
NLD521000G, 520 nm , 1 W, 50 °C, 9 mm, <i>without photodiode</i>		349,00 374,30


LASER DIODES - RED


	EUR	USD
	<p>red laser diodes TO-can, TO3, and C-mount package</p>	
<p>635 - 655 nm</p>	<p>1-9 pcs.</p>	<p>1-9 pcs.</p>
S6305MG, 635 nm , 5 mW, sm, 5.6 mm		13,82 14,82
QL63D4SA, 635 nm , 5 mW, sm, 40 °C, 5.6 mm		5,86 6,28
QL63D5SA, 635 nm , 5 mW, sm, 50 °C, 5.6 mm		6,03 6,47
SLD63518240, 635 nm , 5 mW, sm, 40 °C, 5.6 mm, SAMSUNG		5,94 6,37
ADL-63102TL, 635 nm , 10 mW, sm, 50 °C, 5.6 mm		14,76 15,83
S6310MG, 635 nm , 10 mW, sm, 5.6 mm		15,79 16,93
QL63F5SA, 635 nm , 10 mW, sm, 50 °C, 5.6 mm		15,25 16,36
QL63H5SA, 635 nm , 20 mW, sm, 50 °C, 5.6 mm		19,90 21,34
ADL-63301TL, 635 nm , 30 mW, sm, 40 °C, 5.6 mm		29,60 31,75
ADL-63302TL, 635 nm , 30 mW, sm, 50 °C, 5.6 mm		41,10 44,08
RLT635-100G, 635 nm , 100 mW, mm, 9 mm, <i>without photodiode</i>		154,00 165,16
RLT635-100GPD, 635 nm , 100 mW, mm, 9 mm		164,00 175,89
RLT635-150-C, 635 nm , 150 mW, mm, C-mount		219,00 234,87
RLT635-150-TO3, 635 nm , 150 mW, mm, TO3		179,90 192,94

RLT635-300-TO3, 635 nm , 300 mW, mm, TO3	369,00	395,75
RLT635-500-TO3, 635 nm , 500 mW, mm, TO3	444,00	476,18
ADL-63V0BTP, 638 nm , 500 mW, mm, 30 °C, 5.6 mm, without photodiode	69,90	74,97
S6430MG, 640 nm , 30 mW, sm, 50°C, 5.6 mm	28,40	30,46
RLT650-200G, 650 nm , 200 mW, mm, 9 mm, with photodiode	155,00	166,23
RLT65300T, 650 nm , 300 mW, mm, TO3, without photodiode	152,00	163,02
RLT650-500-T, 650 nm , 500 mW, mm, TO3, without photodiode	275,00	294,93
RLT650-1000-C, 650 nm , 1 W, mm, C-mount	395,00	423,63
RLT650-1000-T, 650 nm , 1 W, mm, TO3, without photodiode	o.r.	o.r.
QL65D5SA, 650 nm , 5 mW, sm, 50 °C, 5.6 mm	3,19	3,42
QL65D6SA, 655 nm , 5 mW, sm, 60 °C, 5.6 mm	3,77	4,04
S6505MG, 655 nm , 5 mW, sm, 5.6 mm	3,57	3,83
ADL-65052TL, 655 nm , 5 mW, sm, 50 °C, 5.6 mm, lowest operating current typ. 16 mA	3,40	3,65
SLD65018250S, 655 nm , 5 mW, sm, 50 °C, 5.6 mm, w/o window, SAMSUNG	2,07	2,22
QL65E7SA, 655 nm , 7 mW, sm, 70 °C, 5.6 mm	8,86	9,50
QL65E7SB, 655 nm , 7 mW, sm, 70 °C, 5.6 mm	8,43	9,04
QL65E7SC, 655 nm , 7 mW, sm, 70 °C, 5.6 mm	8,43	9,04
ADL-65075SL, 655 nm , 7 mW, sm, 70 °C, 3.3 mm , small package	7,04	7,55
ADL-65075SR, 655 nm , 7 mW, sm, 70 °C, 3.3 mm , small package	5,10	5,47
ADL-65077SU, 655 nm , 7 mW, sm, 70 °C, 3.3 mm , small package	7,36	7,89
ADL-65074TR, 655 nm , 7 mW, sm, 85 °C, 5.6 mm, high temperature	6,77	7,26
ADL-65075TA2, 655 nm , 7 mW, sm, 70 °C, 5.6 mm, integrated LD driver -> phase out	4,39	4,71
ADL-65075TA4, 650 nm , 7 mW, sm, 70 °C, 5.6 mm, integrated LD driver , APC, 3.0 VDC	5,32	5,71
QL65F6SA, 655 nm , 10 mW, sm, 60 °C, 5.6 mm	6,49	6,96
QL65F7SA, 655 nm , 10 mW, sm, 70 °C, 5.6 mm, high temperature	39,90	42,79
S6510MG, 655 nm , 10 mW, sm, 5.6 mm	9,54	10,23
S6530MG, 660 nm , 30 mW, mm, 5.6 mm	29,60	31,75
QL65I7SA, 655 nm , 30 mW, sm, 70 °C, 5.6 mm	43,00	46,12
ADL-65401TU, 655 nm , 40 mW, sm, 60 °C, 5.6 mm	29,00	31,10


LASER DIODES - RED

	EUR	USD
 <p>red laser diodes TO-can, TO3, and C-mount package</p> <p>660 - 690 nm</p>	1-9 pcs.	1-9 pcs.
RLT6615G, 660 nm , 15 mW, sm, 9 mm	16,00	17,16
RLT6620G, 660 nm , 20 mW, sm, 9 mm	58,51	62,75
ADL-66201TL, 660 nm , 20 mW, sm, 60 °C, 5.6 mm ► PHASE OUT	18,00	19,30
ADL-66302TL, 660 nm , 30 mW, sm, 60 °C, 5.6 mm	28,80	30,89
QL65J7SA, 660 nm , 50 mW, sm, 75 °C, I _{OP} typ. 90 mA, 5.6 mm	64,60	69,28
ADL-66505TL, 660 nm , 50 mW, sm, 60 °C, 5.6 mm, high temp., high power, high reliability	39,80	42,68
RLT6650G, 660 nm , 50 mW, sm, 9 mm	190,80	204,63
RLT6650GLI, 665 nm , 50 mW, mm, 9 mm	222,60	238,73
RLT6660MG, 660 nm , 60 mW, sm, 5.6 mm, without photodiode	64,66	69,35
RLT6680MGOP, 660 nm , 80 mW, sm, 5.6 mm, without photodiode	52,00	55,77
RLT6680MG, 660 nm , 80/160 mW cw/pulse, sm, 5.6 mm, without photodiode	76,00	81,51
RLT66100MGOP, 660 nm , 100 mW, mm, 5.6 mm, without photodiode	42,00	45,04
RLT66100MG, 660 nm , 100 mW, mm, 5.6 mm	45,00	48,26
S66100MG, 660 nm , 100 mW, mm, 50°C, I _{OP} typ. 190mA, 5.6 mm	37,00	39,68
QL65O6SA, 660 nm , 100 mW, sm, 60 °C, 5.6 mm	o.r.	o.r.
S66150MG, 660 nm , 150 mW, mm, 50°C, I _{OP} typ. 280mA, 5.6 mm	not available	not available
QL67D6SA, 670 nm , 5 mW, sm, 60 °C, 5.6 mm	8,30	8,90
S6705MG, 670 nm , 5 mW, sm, 5.6 mm	6,20	6,65
QL67F6SA, 670 nm , 10 mW, sm, 60 °C, 5.6 mm	33,00	35,39
RLT67300T, 670 nm , 300 mW, mm, TO3, without photodiode	199,00	213,42
RLT67300C, 670 nm , 300 mW, mm, C-Mount, without photodiode	199,00	213,42
QL68I6SA, 685 nm , 30 mW, 60 °C, sm, 5.6 mm	44,00	47,19

QL68J6SA, 685 nm , 50 mW, 60 °C, sm, 5.6 mm	61,60	66,06
LASER DIODES - IR		
	EUR	USD
 <p>infrared laser diodes TO-can, TO3, and C-mount package</p> <p style="text-align: center;">760 - 808 nm</p>	1-9 pcs.	1-9 pcs.
RLT760-10G, 760 nm , 10 mW, sm, 60°C, 9 mm	359,00	385,02
RLT760-30G, 760 nm , 30 mW, sm, 60°C, 9 mm	399,00	427,92
QL78D6SA, 780 nm , 5 mW, sm, 60 °C, 5.6 mm	5,50	5,90
QL78D6SB, 780 nm , 5 mW, sm, 60 °C, 5.6 mm	9,96	10,68
QL78F6SA, 780 nm , 10 mW, sm, 60 °C, 5.6 mm	11,50	12,33
LTO21MCO (Sharp), 780 nm , 15 mW, sm, 9 mm	29,68	31,83
QL78I6SA, 780 nm , 25 mW, sm, 60 °C, 5.6 mm	19,80	21,24
QL78J6SA, 780 nm , 50 mW, sm, 60 °C, 5.6 mm	25,00	26,81
RLT7870MG, 780 nm , 70 mW, sm, 5.6 mm, without photodiode	77,18	82,77
RLT7890MG, 785 nm , 90 mW, sm, 5.6 mm, without photodiode	79,50	85,26
RLT785-100MGS, 785 nm , 100 mW, sm, 5.6 mm	48,00	51,48
RLT780-100GS, 780 nm , 100 mW, sm, 9 mm	169,83	182,14
RLT785-150MGS, 785 nm , 150 mW, sm, 5.6 mm	134,00	143,71
RLT780-150GS, 780 nm , 150 mW, sm, 9 mm	273,91	293,76
RLT780-1000G, 785 nm , 1 W, mm, 9 mm	160,70	172,35
RLT790-80MGS, 790 nm , 80 mW, sm, 5.6 mm	148,00	158,73
RLT80805MG, 808 nm , 5 mW, sm, 5.6 mm	39,54	42,41
RLT80805MGS, 808 nm , 5 mW, I _{OP} <35 mA, sm, 5.6 mm	13,90	14,91
RLT80810MG, 808 nm , 10 mW, sm, 5.6 mm	25,00	26,81
RLT808-100G, 808 nm , 100 mW, sm, 9 mm	96,00	102,96
RLT808-150GS, 808 nm , 150 mW, sm, 9 mm	474,78	509,19
ADL-80Y04TZ, 808 nm , 200 mW, mm, 50 °C, 5.6 mm, without photodiode	12,50	13,41
ADL-80Y05TZ, 808 nm , low threshold, 200 mW, mm, 50 °C, 5.6 mm, without photodiode	14,90	15,98
SLD302V, SONY, 808 nm , 200 mW, mm, 9 mm	83,74	89,81
S808200MG, 808 nm , 200 mW, mm, 50 um, 5.6 mm	14,90	15,98
LDM-0808-300m-91, 808+/-5nm , 300 mW, mm, 9 mm	44,00	47,19
LDM-0808-300m-11, 808+/-5nm , 300 mW, mm, C-mount	35,00	37,54
LDM-0808-300m-31, 808+/-5nm , 300 mW, mm, TO3, without photodiode	40,00	42,90
RLT808500G, 808 nm , 500 mW, mm, 9 mm	24,00	25,74
S808500MG, 808 nm , 500 mW, mm, 50°C, I _{OP} typ. 520mA, 5.6 mm	19,90	21,34
S810500MG, 810 nm , 500 mW, mm, 50°C, I _{OP} typ. 560mA, 5.6 mm	19,90	21,34
ADL-80V03TL, 808 nm , 500 mW, mm, 50 °C, 5.6 mm	49,80	53,41
LDM-0808-500m-92, 808+/-5 nm , 500 mW, mm, 9 mm	45,00	48,26
LDM-0808-500m-12, 808+/-5 nm , 500 mW, mm, C-mount	38,30	41,08
LDM-0808-500m-32, 808+/-5 nm , 500 mW, mm, TO3	44,00	47,19
RLCO-808-500G, 808 nm , 500 mW, mm, 9 mm	45,00	48,26
S8081WG, 808 nm , 1 W, mm, 40°C, I _{OP} typ. 1.25 A, 9 mm	59,90	64,24
LDM-0808-1000-93, 808+/-5 nm , 1 W, mm, 9 mm	87,00	93,31
RLCO-808-1000G, 808 nm , 1 W, mm, 9 mm	78,00	83,65
LDM-0808-001W-13, 808+/-5 nm , 1 W, mm, C-mount	102,00	109,39
LDM-0808-001w-33, 808+/-5 nm , 1 W, mm, TO3	105,00	112,61
LDM-0808-002w-15, 808+/-5 nm , 2 W, mm, C-mount	138,00	148,00
LDM-0808-002w-35, 808+/-5 nm , 2 W, mm, TO3	230,00	246,67
RLCO-808-2000-CT, 808 nm , 2 W, mm, CT-mount	93,00	99,74
RLCO-808-2000-TO3, 808 nm , 2 W, mm, TO3	93,00	99,74
LD808-2-TO3, 808+/-5 nm , 2 W, mm, TO3	98,90	106,07
LDM-0808-3W-33, 808+/-5 nm , 3 W, mm, TO3	397,00	425,77
RLCO-808-3000-TO3, 808 nm , 3 W, mm, TO3	245,29	263,07
RLCO-808-4000-TO3, 808 nm , 4 W, mm, TO3	299,26	320,95
RLCO-808-5000-TO3, 808 nm , 5 W, mm, TO3	348,32	373,56


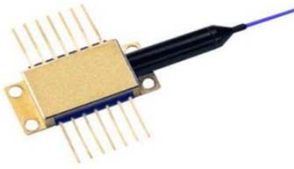
LD808-5-TO3, 808+/-5 nm , 5 W, mm, TO3	580,00	622,04
RLCO-808-7000-CT, 808 nm , 7 W, mm, CT-mount	453,79	486,68
RLCO-808-8000-CT, 808 nm , 8 W, mm, CT-mount	515,11	552,45
	EUR	USD
 <p>infrared laser diodes TO-can, TO3, and C-mount package</p> <p>830 - 940 nm</p>	1-9 pcs.	1-9 pcs.
S8305MG, 830 nm , 5 mW, I _{OP} <25 mA, mm, 40°C, 5.6 mm	15,40	16,52
ELD83NPT5, 830 nm +/-10 nm , 5 mW, sm, 5.6 mm	32,86	35,24
RLT8320MG, 830 nm , 20 mW, sm, 5.6 mm	71,02	76,17
S8330MG, 830 nm , 30 mW, I _{OP} <75 mA, mm, 5.6 mm	16,40	17,59
RLT8340MG, 830 nm , 40 mW, sm, 40°C, 5.6 mm	76,32	81,85
S8350MG, 830 nm , 50 mW, mm, 50°C, I _{OP} typ. 62 mA, 5.6 mm	28,40	30,46
S83100MG, 830 nm , 100 mW, mm, 50°C, I _{OP} typ. 115 mA, 5.6 mm	36,20	38,82
RLT830-100GS, 830 nm , 100 mW, sm, 9 mm	191,74	205,64
RLT830-150GS, 830 nm , 150 mW, sm, 9 mm	273,91	293,76
S83300MG, 830 nm , 300 mW, mm, 50°C, I _{OP} typ. 410 mA, 5.6 mm	42,00	45,04
S83500MG, 830 nm , 500 mW, mm, 50°C, I _{OP} typ. 660 mA, 5.6 mm	48,00	51,48
RLT83500G, 830 nm , 500 mW, mm, 9 mm	92,00	98,67
RLT83500GOP, 830 nm , 500 mW, mm, 9 mm, without photodiode	96,70	103,71
RLT831000G, 830 nm , 1 W, mm, 9 mm	175,00	187,68
RLCO-830-1000G, 830 nm , 1 W, mm, 9 mm	123,00	131,92
RLCO-830-1000-TO3, 830 nm , 1 W, mm, TO3	93,00	99,74
POL-4200, 830 nm +10/-0 nm , 1 W, mm, 9mm	137,80	147,79
RLT830-1.5G, 830 nm , 1.5 W, mm, 9 mm	193,57	207,60
S8410MG, 840 nm , 10 mW, sm, 60°C, 5.6 mm, without photodiode	28,80	30,89
S8450MG, 840 nm , 50 mW, sm, 40°C, 5.6 mm, without photodiode	56,00	60,06
ELD85NPT5, 850 nm +/-10 nm , 5 mW, sm, 5.6 mm	26,25	28,15
RLT8505MG, 850 nm , 5 mW, sm, 40 °C, 5.6 mm	4,20	4,50
QL85D6SA, 850 nm , 5 mW, sm, 60 °C, 5.6 mm	4,98	5,34
QL85F6SA, 850 nm , 10 mW, sm, 60 °C, 5.6 mm	5,95	6,38
QL85H6SA, 850 nm , 20 mW, sm, 60 °C, 5.6 mm	50,70	54,37
QL85I6SA, 850 nm , 30 mW, sm, 60 °C, 5.6 mm	41,00	43,97
QL85J6SA-L, 850 nm , 40 mW, sm, 60 °C, 5.6 mm	69,00	74,00
ADL-85501TL, 850 nm , 50 mW, sm, 50 °C, 5.6 mm	49,20	52,77
RLT850-50MGS, 850 nm , 50 mW, sm, 5.6 mm	46,10	49,44
S8550MG, 850 nm , 50 mW, sm, 40°C, 5.6 mm	26,80	28,74
S85100MG, 850 nm , 100 mW, mm, 50°C, I _{OP} typ. 127 mA, 5.6 mm	34,90	37,43
S85300MG, 850 nm , 300 mW, mm, 50°C, I _{OP} typ. 435 mA, 5.6 mm	42,80	45,90
S85500MG, 850 nm , 500 mW, mm, 50°C, I _{OP} typ. 680 mA, 5.6 mm	49,90	53,52
RLT85100MG, 850 nm , 100 mW, mm, 5.6 mm	75,00	80,44
RLT850-100GS, 850 nm , 100 mW, single mode, 9 mm	184,00	197,34
RLT850-150GS, 850 nm , 150 mW, single mode, 9 mm	305,00	327,11
RLT850M-1WG50, 850 nm , 1 W, 50 μm, multi mode, 9 mm	273,91	293,76
RLT850M-2WC, 850 nm , 2 W, multi mode, C-Mount	295,00	316,38
RLT855-10MG, 855 nm , 10 mW, I _{OP} <55 mA, sm, 5.6 mm	19,40	20,81
QL86T4HD, 860 nm , 1 W, 40° C, I _{OP} typ. 1.3 A, mm, 9 mm, without photodiode	o.r.	o.r.
RLT860-1000G, 860 nm , 1 W, multi mode, 9 mm, without photodiode	186,60	200,12
RLT878-5MG, 878 nm , 5 mW, I _{OP} <35 mA, sm, 5.6 mm	22,40	24,02
S8810MG, 880 nm , 10 mW, 60°, sm, 5.6 mm	18,80	20,16
RLT9005MG, 900 nm , 5 mW, sm, 5.6 mm	40,02	42,92
RLT904-05MG, 904 nm , 5 mW, sm, 5.6 mm	16,64	17,85
QL90F7SA, 904 nm , 10 mW, 70° C, sm, 5.6 mm	28,00	30,03
RLT905-20G, 905 nm , 20 mW, sm, 9 mm	407,00	436,50
RLT905-30G, 905 nm , 30 mW, sm, 9 mm	508,00	544,82
RLT905-40G, 905 nm , 40 mW, sm, 9 mm	675,00	723,92
RLT905-50G, 905 nm , 50 mW, sm, 9 mm	731,00	783,98

RLT905-100G, 905 nm , 100 mW, beam div. 10x30, sm, 9 mm	983,00	1.054,25
RLT905-100GS, 905 nm , 100 mW, beam div. 25x40, sm, 9 mm	o.r.	o.r.
RLT905-300GS, 905 nm , 300 mW, sm, 9 mm	o.r.	o.r.
RLT905-500G, 905 nm , 500 mW, mm, 9 mm	o.r.	o.r.
RLT915-50GS, 915 nm , 50 mW, sm, 9 mm	109,57	117,51
RLT915-150GS, 915 nm , 150 mW, sm, 9 mm	310,43	332,93
RLT915-300GS, 915 nm , 300 mW, sm, 9 mm	640,00	686,39
RLT91500G, 915 nm , 500 mW, mm, 9 mm	126,00	135,13
RLT915-1000G, 915 nm , 1000 mW, mm, 9 mm	155,00	166,23
RLT940-100GS, 940 nm , 100 mW, sm, 9 mm	191,74	205,64
RLT940-300GS, 940 nm , 300 mW, sm, 9 mm	610,00	654,21
RLCO-940-1000-TO3, 940 nm , 1 W, mm, TO3	81,00	86,87
RLCO-940-2000-TO3, 940 nm , 2 W, mm, TO3	100,00	107,25
RLCO-940-3000-TO3, 940 nm , 3 W, mm, TO3	270,00	289,57
RLCO-940-4000-TO3, 940 nm , 4 W, mm, TO3	330,00	353,92
RLCO-940-5000-TO3, 940 nm , 5 W, mm, TO3	383,00	410,76
	EUR	USD
 <p>infrared laser diodes TO-can, TO3, and C-mount package</p> <p>960 - 1310 nm</p>	1-9 pcs.	1-9 pcs.
RLT960M-1WG, 960 nm , 1.0 W, mm, 9 mm	o.r.	o.r.
RLT9810MG, 980 nm , 10 mW, sm, 5.6 mm	84,80	90,95
S9810MG, 980 nm , 10 mW, sm, 5.6 mm	12,70	13,62
RLT9810G, 980 nm , 10 mW, sm, 9 mm	116,60	125,05
RLT9810GS, 980 nm , 10 mW, sm, 9 mm	37,10	39,79
RLT9820G, 980 nm , 20 mW, mm, 9 mm	100,70	108,00
RLT9830MG, 980 nm , 30 mW, sm, 5.6 mm	30,62	32,84
RLT9830G, 980 nm , 30 mW, sm, 9 mm	156,00	167,31
S9850MG, 980 nm , 50 mW, sm, 5.6 mm	12,00	12,87
S9850MBA, 980 nm , 50 mW, sm, 5.6 mm, <i>without photodiode, without window</i>	3,30	3,54
LDM-0980-050m-50, 980 nm , 50 mW, mm, 5.6 mm	14,90	15,98
ELD98NPT50, 980 nm +/-10 nm , 50 mW, sm, 9 mm	26,30	28,21
L98T50M, 980 nm , 50 mW, mm, 9 mm	22,00	23,59
S98100MG, 980 nm , 100 mW, mm, 5.6 mm	18,70	20,06
RLT980-100GS, 980 nm , 100 mW, sm, 9 mm	82,17	88,13
RLT980-150GS, 980 nm , 150 mW, sm, 9 mm	129,65	139,05
RLT980-200GS, 980 nm , 200 mW, sm, 9 mm	166,17	178,21
RLT980-250GS, 980 nm , 250 mW, sm, 9 mm	579,00	620,97
RLT980-300GS, 980 nm , 300 mW, sm, 9 mm	579,00	620,97
LDM-0980-300m-92, 980 nm +/-10 nm , 300 mW, mm, 9 mm	45,80	49,12
LDM-0980-300m-12, 980 nm +/-10 nm , 300 mW, mm, C-mount	39,20	42,04
L98T300m, 980 nm +/-5nm , 300 mW, mm, TO3	76,00	81,51
RLT98500G, 980 nm , 500 mW, mm, 9 mm	108,00	115,83
RLT98500GOP, 980 nm , 500 mW, mm, 9 mm, <i>without photodiode</i>	68,60	73,57
LDM-0980-500m-12, 980 nm +/-10 nm , 500 mW, mm, C-mount	47,00	50,41
LDM-0980-500m-32, 980 nm +/-10 nm , 500 mW, mm, TO3	87,00	93,31
RLT981000G, 980 nm +/-10 nm , 1 W, mm, 9 mm	126,20	135,35
LDM-0980-001w-13, 980 nm +/-10 nm , 1W, mm, C-mount	93,00	99,74
LDM-0980-001w-33, 980 nm +/-10 nm , 1W, mm, TO3	99,00	106,18
LDM-0980-002w-15, 980 nm +/-10 nm , 2W, mm, C-mount	155,00	166,23
LDM-0980-002w-35, 980 nm +/-10 nm , 2W, mm, TO3	158,00	169,45
RLCO-980-3000-TO3, 980 nm , 3 W, mm, TO3	187,79	201,40
RLCO-980-4000-TO3, 980 nm , 4 W, mm, TO3	228,77	245,35
RLCO-980-5000-TO3, 980 nm , 5 W, mm, TO3	266,33	285,63
RLT995-5MG, 995 nm , 5 mW, lop <35 mA, sm, 5.6 mm	22,40	24,02
RLT1050M-500G, 1050 nm , 500 mW, mm, 9 mm	184,00	197,34
RLT1060-10G, 1060 nm , 10 mW, sm, 9 mm	330,00	353,92


RLT1060-20G, 1060 nm , 20 mW, sm, 9 mm	398,00	426,85
RLT1060-30G, 1060 nm , 30 mW, sm, 9 mm	410,00	439,72
RLT1060-50G, 1060 nm , 50 mW, sm, 9 mm	568,00	609,17
RLT1064-50MGS, 1064 nm , 50 mW, sm, 5.6 mm	98,00	105,10
RLT1064-100GS, 1064 nm , 100 mW, sm, 9 mm	146,00	156,58
RLT1060-100G, 1064 nm , 100 mW, sm, 9 mm	182,00	195,19
RLT1060-150G, 1064 nm , 150 mW, sm, 9 mm	n.a	n.a
RLT1060-200G, 1064 nm , 200 mW, sm, 9 mm	382,00	409,69
RLT1060-350G, 1064 nm , 350 mW, sm, 9 mm	593,48	636,50
RLT1060M-1WG, 1064 nm , 1.0 W, mm, 9 mm	148,00	158,73
RLT1060-1000HHL, 1064 nm ±30 nm, 1.0 W, mm, HHL package	1.400,00	1.501,47
RLT1060M-2WG, 1064 nm , 1.3 W, mm, 9 mm	182,61	195,85
RLCO-1064-2000-TO3, 1064 nm , 2 W, mm, TO3	193,00	206,99
RLT1060-3000HHL, 1060 nm ±20 nm, <3.0 W, mm, HHL package	1.960,00	2.102,06
RLT1070-10MG, 1070 nm , 10 mW, sm, 5.6 mm	262,50	281,53
RLT1080-10G, 1080 nm , 10 mW, sm, 9 mm	357,00	382,88
RLT1260-500HHL, 1260 nm ±20 nm, 500 mW, mm, HHL package	1.680,00	1.801,77
RLT1260-750HHL, 1260 nm ±20 nm, 750 mW, mm, HHL package	2.240,00	2.402,36
RLT1300-5G, 1300 nm , 5 mW, sm, 9 mm	223,00	239,16
RLT1300-10G, 1300 nm , 10 mW, sm, 9 mm	335,00	359,28
RLT1300-20G, 1300 nm , 20 mW, sm, 9 mm	357,00	382,88
RLT1300-30G, 1300 nm , 30 mW, sm, 9 mm	383,00	410,76
RLT1300-40G, 1300 nm , 40 mW, sm, 9 mm	451,00	483,69
RLT1300-50G, 1300 nm , 50 mW, sm, 9 mm	543,00	582,36
ML720A1S-E22E, 1310 nm , 4 mW, sm, 5.6 mm	21,91	23,50
RLT1300-BL, 1310 nm , 5 mW, 5.6 mm, ball lens	5,00	5,36
RLT1300-FW, 1310 nm , 5 mW, 5.6 mm, flat window	5,00	5,36
LDS-1310-005-BL, 1310 nm +/-10 nm, 5 mW, sm, 5.6 mm, ball lens	9,60	10,30
S1300-5MG-BL, 1310 nm , 5 mW, TO56, 85°C, ball lens (1.25 Gbps)	13,40	14,37
S1300-5MG-FW, 1310 nm , 5 mW, TO56, 85°C, flat window (1.25 Gbps)	13,40	14,37
	EUR	USD
 infrared laser diode TO-can, TO3, C-mount, HHL package 1430 - 1750 nm	1-9 pcs.	1-9 pcs.
LD1430-C003, 1430 nm , FP, 3 mW, sm, with photodiode, 5.6 mm	o.r.	o.r.
L145T600m, 1450+/-10nm , 600 mW, mm, TO3 ► PHASE OUT	207,00	222,00
RLT1450-2WC, 1450+/-30nm , 2 W, mm, C-Mount	520,00	557,69
RLT1460-5MG, 1460 nm , 5 mW, sm, 5.6 mm	110,00	117,97
RLT1480-5G, 1480 nm , 5 mW, sm, 9 mm	290,00	311,02
RLT1480-10G, 1480 nm , 10 mW, sm, 9 mm	349,00	374,30
RLT1480-20G, 1480 nm , 20 mW, sm, 9 mm	422,00	452,59
LD1490-C010, 1490 nm , DFB, 10 mW, sm, with photodiode, 5.6 mm	270,00	289,57
RLT1500-10G, 1500 nm , 10 mW, sm, 9 mm	349,00	374,30
RLT1500-20G, 1500 nm , 20 mW, sm, 9 mm	438,00	469,75
RLT1500-30G, 1500 nm , 30 mW, sm, 9 mm	507,00	543,75
S1550-5MG-BL, 1550 nm , 5 mW, TO56, 85°C, ball lens (1.25 Gbps)	15,50	16,62
S1550-5MG-FW, 1550 nm , 5 mW, TO56, 85°C, flat window (1.25 Gbps)	15,50	16,62
RLT1550-5G, 1550 nm , 5 mW, sm, 9 mm	299,00	320,67
RLT1550-10G, 1550 nm , 10 mW, sm, 9 mm	325,00	348,56
RLT1550-15G, 1550 nm , 15 mW, sm, 9 mm	330,00	353,92
RLT1550-20G, 1550 nm , 20 mW, sm, 9 mm	339,00	363,57
RLT1550-30G, 1550 nm , 30 mW, sm, 9 mm	387,00	415,05
RLT1550-40G, 1550 nm , 40 mW, sm, 9 mm	507,00	543,75
RLT1550-100G, 1550 nm , 100 mW, lop typ. 800 mA, aperture: 100x1 um ² , mm, 9 mm	743,00	796,85
RLT1550-250HHL, 1550 nm ±30 nm, 250 mW, mm, HHL package	1.613,00	1.729,91
RLT1550-500HHL, 1550 nm ±30 nm, 500 mW, mm, HHL package	1.963,00	2.105,28
LD1550-C500, 1550 nm , FP, 500 mW, mm, 9mm	o.r.	o.r.

RLT1600-10G, 1600 nm , 10 mW, sm, 9 mm	443,00	475,11
RLT1600-20G, 1600 nm , 20 mW, sm, 9 mm	563,00	603,81
RLT1600-30G, 1600 nm , 30 mW, sm, 9 mm	661,00	708,91
RLT1600-40G, 1600 nm , 40 mW, sm, 9 mm	787,00	844,04
RLT1600-300HHL, 1600 nm ±20 nm, 300 mW, mm, HHL package	2.943,00	3.156,31
RLT1725-300HHL, 1725 nm ±15 nm, 300 mW, mm, HHL package	3.223,00	3.456,60
RLT1750-300HHL, 1750 nm ±15 nm, 300 mW, mm, HHL package	3.503,00	3.756,90
RLT1750-500HHL, 1750 nm ±15 nm, 500 mW, mm, HHL package	3.849,00	4.127,98
RLT1770-10G, 1770 nm +/- 30 nm, 10 mW, sm, 9 mm	563,00	603,81
RLT1770-20G, 1770 nm +/- 20 nm, 20 mW, sm, 9 mm	703,00	753,95
RLT1770-30G, 1770 nm +/- 30 nm, 30 mW, sm, 9 mm	843,00	904,10
RLT1770-40G, 1770 nm +/- 20 nm, 40 mW, sm, 9 mm	1.175,00	1.260,16
RLT1800-300HHL, 1800 nm ±15 nm, 300 mW, mm, HHL package	4.290,00	4.600,94

LASER DIODES - MID IR

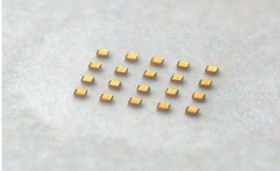

FP	EUR	USD
 <p>fabry perot laser diodes in TO56 package, - working at room temperature (range 0 - 70°C) - with monitor photodiode</p> <p>2307 - 2325 nm</p>	1-3 pcs.	1-3 pcs.
RLTCM-2307D, 2.3 um , 7.5 mW cw, multi mode, 5.6 mm with monitor photodiode	1.640,00	1.758,87
RLTCM-2310D, 2.3 um , 10 mW cw, multi mode, 5.6 mm with monitor photodiode	1.980,00	2.123,51
RLTCM-2325D, 2.3 um , 25 mW cw, multi mode, 5.6 mm with monitor photodiode	3.800,00	4.075,42
PIGTAILED	EUR	USD
 <p>pigtailed laser diode in 14-Pin butterfly package - Ridge waveguide technology - carbon dioxide monitoring - tunable LD absorption spectroscopy</p> <p>2020 nm</p>	1-3 pcs.	1-3 pcs.
RLEP202-F, 2020 nm , 10 mW cw, Fabry Perot, 14-pin DIL with TEC & thermistor	2.187,00	2.345,51
RLEP202-D, 2020 nm , 3.5 mW cw, discrete mode, single mode, linewidth < 2 MHz	3.610,00	3.871,65

LASER DIODES - PULSED


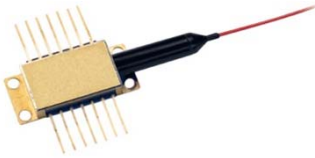
PULSED INFRARED LASER DIODES	EUR	USD
 <p>high power pulsed laser diodes</p> <p>850, 904, 1550, 1610 and 1625 nm</p>	1-9 pcs.	1-9 pcs.
PLD850-2-T, 850 nm , 2 W-pulse, 40 x 1 um ² , TO-46	99,00	106,18
PLD904-5-T, 904 nm , 5 W-pulse, 75 x 1 um ² , TO-46	49,40	52,98
LDMP-0905-10W-51, 905 nm , 10W, single emitter, 50...200ns, 0.05%, 370x1um ² , 5.6mm	67,00	71,86
LDMP-0905-20W-51, 905 nm , 20W, single emitter, 50...200ns, 0.05%, 370x1um ² , 5.6mm	77,00	82,58
LDMP-0905-50W-93, 905 nm , 50 W, 2 stacks, 50...200 ns, 0.05%, 370x100 um ² , 9 mm	159,00	170,52
VL905P50, 905 nm , 50 W, 100 ns, 0.2%, 60°C, 5mm epoxy	25,90	27,78
VL905P75, 905 nm , 75 W, 100 ns, 0.2%, 60°C, 5mm epoxy	29,80	31,96
RLT-HPL905-50, 904 nm , 50 W-pulse, 50 ns, 370 x 100 um ² , 9 mm	236,00	253,11
LDMP-1550-015W-52, 1550 nm , 15W, single emitter, 50...200ns, 0.05%, 370x1um ² , 5.6mm	269,00	288,50
RLT1610-100MPG, 1610 nm , 1x200 um, 100 mW-pulse, <1us, <50 kHz, 5% Duty, 9 mm	198,00	212,35
LD1625-C120, 1625 nm , FP, 120 mW, sm, pulsed mode, 10 us PW, 1% DC, 5.6 mm	449,50	482,08

LASER DIODES - BARE CHIP DIES

LASER DIODE CHIPS	EUR	USD
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	<p>EPI wafer laser diode chip dies</p> <p>635, 650, 980 ,1310 nm</p>	20-99 pcs.	20-99 pcs.
CHIP-635-P5, 635 nm , 5 mW, laser diode chip die, sm, MOQ 1000 pcs		1,40	1,50
CHIP-650-P5, 650 nm , 5 mW, laser diode chip, single ridge waveguide sm, MOQ 1000 pcs		0,93	1,00
CHIP-980-P50, 980 nm , 50 mW, laser diode chip die, sm, MOQ 100pcs		2,92	3,13
CHIP-1310-P5, 1310 nm , FP, 5 mW, sm, 2.5 GHz, MOQ 1000pcs		4,10	4,40
LASER DIODES - PIGTAILED			
PIGTAILED COAXIAL PACKAGE		EUR	USD
	<p>pigtailed laser diodes in coaxial package</p> <ul style="list-style-type: none"> - single and multi mode - different connectors available <p>405 - 1625 nm</p>	1-9 pcs.	1-9 pcs.
SPL405-15-3, 405+/-5 nm , 15 mW, single mode, 3 µm fiber, no photodiode		821,74	881,30
SPL405-15-3P, 405+/-5 nm , 15 mW, single mode, 3 µm PM fiber, no photodiode		1.278,26	1.370,91
SPL405-30-3-PD, 405+/-5 nm , 30 mW, single mode, 3 µm fiber		1.890,00	2.026,99
SPL405-50-3, 405+/-5 nm , 50 mW, single mode, 3 µm fiber, no photodiode		1.460,87	1.566,75
SPL405-50-3P, 405+/-5 nm , 50 mW, single mode, 3 µm PM fiber, no photodiode		2.191,30	2.350,13
SPL405-100-3, 405+/-5 nm , 100 mW, single mode, 3 µm fiber, no photodiode		o.r	o.r
SPL405-100-3P, 405+/-5 nm , 100 mW, single mode, 3 µm PM fiber, no photodiode		3.560,00	3.818,03
SPL405-10-50M-PD, 405+/-4 nm , 10 mW, 50 µm MM fiber		260,00	278,84
SPL405-50-50M, 405+/-4 nm , 50 mW, 50 µm MM fiber, no photodiode		425,00	455,80
SPL405-100-50M, 405+/-4 nm , 100 mW, 50 µm MM fiber, no photodiode , FC connector		740,00	793,64
SPL405-350-50M, 405+/-4 nm , 350 mW, 50 µm MM fiber, no photodiode		1.260,00	1.351,32
SPL445-15-4, 445+/-5 nm , 15 mW, single mode, 4 µm fiber, no photodiode		680,00	729,29
SPL445-20-4, 445+/-5 nm , 20 mW, single mode, 4 µm fiber, no photodiode		845,00	906,25
SPL445-30-4, 445+/-5 nm , 30 mW, single mode, 4 µm fiber, no photodiode		o.r.	o.r.
SPL445-30-4P, 445+/-5 nm , 30 mW, single mode, 4 µm PM fiber, no photodiode		o.r.	o.r.
SPL445-40-4, 445+/-5 nm , 40 mW, single mode, 4 µm fiber, no photodiode		1.700,00	1.823,22
SPL445-40-4P, 445+/-5 nm , 40 mW, single mode, 4 µm PM fiber, no photodiode		2.350,00	2.520,33
SPL445-50-4, 445+/-5 nm , 50 mW, single mode, 4 µm fiber, no photodiode		o.r.	o.r.
SPL445-50-4P, 445+/-5 nm , 50 mW, single mode, 4 µm PM fiber, no photodiode		o.r.	o.r.
SPL445-50-50M, 445+/-5 nm , 50 mW, 50 µm MM fiber, no photodiode		422,00	452,59
SPL520-02-4, 520 nm , 2 mW, single mode, 3 µm fiber, FC connector, no photodiode		299,00	320,67
SPL520-05-4, 520 nm , 5 mW, single mode, 3 µm fiber, FC connector, no photodiode		499,00	535,17
SPL520-05-9, 520 nm , 5 mW, 9 µm fiber, FC connector, no photodiode		399,00	427,92
SPL520-05-4-B, 520 nm , 5 mW, 3 µm fiber, FC connector, 14-pin package, no photodiode		899,00	964,16
SPL520-10-4, 520 nm , 10 mW, single mode, 3 µm fiber, FC connector, no photodiode		799,00	856,91
SPL520-10-9, 520 nm , 10 mW, 9 µm fiber, FC connector, no photodiode		599,00	642,42
SPL520-10-4-PD, 520 nm , 10 mW, single mode, 3 µm fiber, FC connector		899,00	964,16
SPL520-10-4-B, 520 nm , 10 mW, 3 µm fiber, FC connector, 14-pin package, no photodiode		1.199,00	1.285,90
SPL520-20-4, 520 nm , >20 mW, single mode, 3 µm fiber, FC connector, no photodiode		1.199,00	1.285,90
SPL520-30-4, 520 nm , >30 mW, single mode, 3 µm fiber, FC connector, no photodiode		1.499,00	1.607,65
SPL520-30-4-PD, 520 nm , 30 mW, single mode, 3 µm fiber, FC connector		o.r.	o.r.
SPL520-30-4P-PD, 520 nm , 30 mW, single mode, 3 µm PM fiber, FC connector		1.599,00	1.714,90
SPL520-30-62M, 520 nm , 30 mW, 62.5 µm MM fiber, FC connector, no photodiode		428,00	459,02
SPL520-30-62M-PD, 520 nm , 30 mW, 62.5 µm MM fiber, FC connector		499,00	535,17
SPL520-50-105M, 520 nm , 50 mW, 105 µm MM fiber, FC connector, no photodiode		525,00	563,05
SPL520-50-105M-PD, 520 nm , 50 mW, 105 µm MM fiber, FC connector		699,00	749,66
SPL520-80-105M, 520 nm , 80 mW, 105 µm MM fiber, FC connector, no photodiode		733,00	786,13
SPL520-500-62M, 520 nm , 400 mW, 62.5 µm MM fiber, FC connector, no photodiode		1.199,00	1.285,90
SPL520-800-62M, 520 nm , 800 mW, 105 µm MM fiber, FC connector, no photodiode		1.399,00	1.500,40
SPL532-20-50M-PD, 532 nm , 20 mW, 50 µm MM fiber, PD, FC connector		675,00	723,92


SPL532-30-50M-PD, 532 nm , 30 mW, 50 µm MM fiber, PD, FC connector	740,00	793,64
SPL532-50-50M-PD, 532 nm , 50 mW, 50 µm MM fiber, PD, FC connector	840,00	900,88
RLCD-S63-02, 635+/-10 nm , 2 mW, single mode, 4 µm fiber, FC connector	220,00	235,95
SPL635-2-4-PD, 635+/-5 nm , 2 mW, single mode, 4 µm fiber	220,00	235,95
SPL635-3-4-PD, 635+/-5 nm , 3 mW, single mode, 4 µm fiber	300,00	321,74
SPL635-5-4-PD, 635+/-5 nm , 5 mW, single mode, 4 µm fiber	340,00	364,64
SPL635-5-4P-PD, 635+/-5 nm , 5 mW, single mode, 4 µm PM fiber	o.r.	#WERT!
SPL635-5-105M-PD, 635nm+/-5 nm , 5 mW, 105 µm MM fiber	280,00	300,29
RLCD-S63-10, 635+/-10 nm , 10 mW, single mode, 4 µm fiber, FC connector	440,00	471,89
RLCD-S63-20, 635+/-10 nm , 20 mW, single mode, 4 µm fiber, FC connector, no photodiode	920,00	986,68
SPL635-20-4, 637+/-5 nm , 20 mW, single mode, 4 µm fiber, FC connector, no photodiode	450,00	482,62
SPL650-1-4-PD, 650+/-5 nm , 1 mW, single mode, 4 µm fiber	320,00	343,19
RLTG065AU, 650+/-10 nm , 2.5 mW, 100 µm MM fiber, FC-connector	219,64	235,56
SPL650-3-105M-PD, 650+/-5 nm , 3 mW, 105 µm MM fiber	180,00	193,05
SPL650-10-4-PD, 658+/-5 nm , 10 mW, single mode, 4 µm fiber	420,00	450,44
SPL650-20-4, 658+/-5 nm , 20 mW, single mode, 4 µm fiber, no photodiode	320,00	343,19
SPL650-20-4P, 658+/-5 nm , 20 mW, single mode, 4 µm PM fiber, no photodiode	o.r.	o.r.
SPL650-30-105M, 658+/-5 nm , 30 mW, 105 µm MM fiber, no photodiode	220,00	235,95
SPL650-50-9, 658+/-5 nm , 40 mW, single mode, 9 µm fiber, no photodiode	252,00	270,26
SPL650-40-4, 658+/-5 nm , 40 mW, single mode, 4 µm fiber, no photodiode	530,00	568,41
SPL650-50-4P, 658+/-5 nm , 50 mW, single mode, 4 µm PM fiber, no photodiode	1.260,00	1.351,32
SPL650-60-105M, 658+/-5 nm , 60 mW, 105 µm MM fiber, no photodiode	o.r.	o.r.
SPL650-100-9, 658+/-5 nm , 100 mW, single mode, 9 µm fiber, no photodiode	525,00	563,05
SPL650-100-4, 658+/-5 nm , 100 mW, single mode, 4 µm fiber, no photodiode	1.258,00	1.349,18
SPL650-100-4P, 658+/-5 nm , 100 mW, single mode, 4 µm PM fiber, no photodiode	1.680,00	1.801,77
RLCD-S66-02, 660+/-5 nm , 2 mW, single mode, 4 µm fiber, FC connector	203,00	217,71
RLCD-S66-10, 660+/-5 nm , 10 mW, single mode, 4 µm fiber, FC connector	385,00	412,90
RLCD-S66-40, 660+/-5 nm , 40 mW, single mode, 4 µm fiber, FC connector, no photodiode	694,00	744,30
SPL670-1-4-PD, 670nm+/-10 nm , 1 mW, single mode, 4 µm fiber	420,00	450,44
SPL670-1-4P-PD, 670nm+/-10 nm , 1 mW, single mode, 4 µm PM fiber	840,00	900,88
SPL685-4-4P-PD, 685nm+/-15 nm , 4 mW, single mode, 4 µm PM fiber	840,00	900,88
SPL685-10-4-PD, 685±15 nm , 10 mW, single mode, 4 µm fiber	525,00	563,05
SPL685-15-4-PD, 685±15 nm , 15 mW, single mode, 4 µm fiber	630,00	675,66
SPL685-25-4P-PD, 685±15 nm , 25 mW, single mode, 4 µm PM fiber	1.480,00	1.587,27
SPL785-20-4-PD, 785nm+/-10 nm , 20 mW, single mode, 4 µm fiber	420,00	450,44
SPL785-20-4P-PD, 785nm+/-10 nm , 20 mW, single mode, 4 µm PM fiber	1.055,00	1.131,47
SPL785-40-4-PD, 785nm+/-10 nm , 40 mW, single mode, 4 µm fiber	635,00	681,02
SPL785-50-4, 785nm+/-10 nm , 50 mW, single mode, 4 µm fiber, no photodiode	845,00	906,25
SPL785-50-4P-PD, 785nm+/-10 nm , 50 mW, single mode, 4 µm PM fiber, FC connector	1.280,00	1.372,77
SPL785-50-105M-PD, 785nm+/-10 nm , 50 mW, 105 µm MM fiber	220,00	235,95
SPL808-15-5, 808+/-5 nm , 15 mW, single mode, 5 µm fiber, FC connector, no photodiode	530,00	568,41
SPL808-20-5-PD, 808+/-5 nm , 20 mW, single mode, 5 µm fiber, FC connector	530,00	568,41
RLCD-M81-40, 808+/-5 nm , 40 mW, multi mode, 62.5 µm fiber, FC connector	240,00	257,40
SPL808-50-5-PD, 808+/-5 nm , 50 mW, single mode, 5 µm fiber, FC connector	1.099,00	1.178,66
RLCD-M81-60, 808+/-5 nm , 60 mW, multi mode, 62.5 µm fiber, FC connector	237,60	254,82
SPL808-120-105M-PD, 808+/-5 nm , 120 mW, 105 µm multi mode fiber, FC connector	190,00	203,77
SPL808-200-105M-PD, 808+/-5 nm , 200 mW, 105 µm multi mode fiber, FC connector	240,00	257,40
SPL830-5-4-PD, 830+/-10 nm , 5 mW, single mode, 4 µm fiber	340,00	364,64
SPL830-10-9-PD, 830+/-10 nm , 10 mW, single mode, 9 µm fiber	360,00	386,09
SPL830-30-4-PD, 830+/-10 nm , 30 mW, single mode, 4 µm fiber	380,00	407,54
SPL830-50-4P-PD, 830+/-10 nm , 50 mW, single mode, 4 µm PM fiber	1.280,00	1.372,77
SPL830-120-62M-PD, 830+/-10 nm , 120 mW, multi mode, 62.5 µm fiber	280,00	300,29
SPL850-10-4P-PD, 850nm+/-5 nm , 10 mW, single mode, 4 µm PM fiber	1.060,00	1.136,83
SPL850-14-4-PD, 850nm+/-5 nm , 14 mW, single mode, 4 µm fiber	560,00	600,59
SPL850-30-105M-PD, 850nm+/-5 nm , 30 mW, 105 µm MM fiber	320,00	343,19
SPL880-1-4P-PD, 880nm+/-10 nm , 1 mW, single mode, 4 µm PM fiber	950,00	1.018,86
SPL880-2-4-PD, 880nm+/-10 nm , 2 mW, single mode, 4 µm fiber	425,00	455,80
SPL940-30-4-PD, 940nm+/-10 nm , 30 mW, single mode, 4 µm fiber	1.100,00	1.179,73
SPL940-30-PM-PD, 940nm+/-10 nm , 30 mW, single mode, 4 µm PM fiber	1.300,00	1.394,22
SPL980-10-9-PD, 980nm+/-10 nm , 10 mW, single mode, 9 µm fiber	300,00	321,74
SPL980-15-9-PD, 980nm+/-10 nm , 15 mW, single mode, 9 µm fiber	320,00	343,19

SPL980-30-105M-PD, 980nm+/-15 nm , 30 mW, 105 µm MM fiber	220,00	235,95
SPL980-100-105M-PD, 980nm+/-15 nm , 100 mW, 105 µm MM fiber	280,00	300,29
SPL1064-5-4-PD, 1064nm+/-10 nm , 5 mW, single mode, 4 µm fiber	420,00	450,44
SPL1064-10-4-PD, 1064nm+/-10 nm , 10 mW, single mode, 4 µm fiber	525,00	563,05
SPL1064-30-4-PD, 1064nm+/-10 nm , 30 mW, single mode, 4 µm fiber	945,00	1.013,49
SPL1064-50-4-PD, 1064nm+/-10 nm , 50 mW, single mode, 4 µm fiber	1.050,00	1.126,10
SPL1270-2-9-PD, 1270+/-3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	343,19
SPL1290-2-9-PD, 1290+/-3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	343,19
FU-17SLD-F3M1, 1310+/-20 nm , 0.5mW, FC-receptacle	142,04	152,34
LFO-14-ip, 1310+/-20 nm , 1 mW, FP, sm, 9/125 fiber, FC connector	262,00	280,99
LFO-14-d, 1310+/-20 nm , >1 mW, FP, sm, 9/125 fiber, FC connector, internal driver , 3V	283,00	303,51
SPL1310-1-9-PD, 1310+/-20 nm , 1 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	220,00	235,95
SPL1310-2-9-PD, 1310+/-20 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	343,19
SPL1310-3-9-PD, 1310+/-20 nm , 3 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	340,00	364,64
SPL1310-4-9-PD, 1310+/-20 nm , 4 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	360,00	386,09
SPL1310-5-9-PD, 1310+/-20 nm , 5 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	420,00	450,44
SPL1310-10-9-PD, 1310+/-20 nm , 10 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	505,00	541,60
SPL1330-2-9-PD, 1330+/-3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	343,19
SPL1350-2-9-PD, 1350+/-3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	343,19
SPL1370-2-9-PD, 1370+/-3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	343,19
SPL1390-2-9-PD, 1390+/-3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	343,19
SPL1410-2-9-PD, 1410+/-3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	343,19
SPL1430-2-9-PD, 1430+/-3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	343,19
SPL1450-2-9-PD, 1450+/-3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	343,19
SPL1470-2-9-PD, 1470+/-3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	343,19
SPL1490-2-9-PD, 1490+/-3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	343,19
SPL1510-2-9-PD, 1510+/-3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	343,19
SPL1530-2-9-PD, 1530+/-3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	343,19
LFO-18-ip, 1550+/-20 nm , 0.8 mW, FP, sm, 9/125 fiber, FC-connector	399,00	427,92
LFO-18-d, 1550+/-20 nm , >0.8 mW, FP, sm, 9/125 fiber, FC connector, internal driver , 3V	420,00	450,44
LFO-18-2-ip, 1550+/-20 nm , 2 mW, FP, sm, 9/125 fiber, FC connector	440,00	471,89
LFO-18/2-d, 1550+/-20 nm , >2 mW, FP, sm, 9/125 fiber, FC connector, internal driver , 3V	462,00	495,49
SPL1550-1-9-PD, 1550+/-30 nm , 1 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	180,00	193,05
SPL1550-2-9-PD, 1550+/-30 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	343,19
SPL1550-3-9-PD, 1550+/-30 nm , 3 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	350,00	375,37
SPL1550-8-9-PD, 1550+/-30 nm , 8 mW, DFB, 2.0 GB/s, sm, 9 µm fiber	420,00	450,44
SPL1550-10-9-PD, 1550+/-30 nm , 10 mW, DFB, 2.0 GB/s, sm, 9 µm fiber	510,00	546,96
SPL1570-2-9-PD, 1570+/-3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	343,19
SPL1590-2-9-PD, 1590+/-3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	343,19
SPL1610-2-9-PD, 1610+/-3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	343,19
Heat Sink for SPL laser diodes	EUR	USD
 <p>Greatly improves the heat dissipation capability of the SPL coaxial laser diodes</p> <ul style="list-style-type: none"> - made from CNC cut Aluminium - laser diode fixation by grub screw - only suitable for SPL series 	1-9 pcs.	1-9 pcs.
Heat Sink SPL-Coax, Aluminium, 16 x 16 x 8 mm, aperture diameter 6.2 mm, 3g	23,40	25,10
PIGTAILED HHL	EUR	USD
 <p>pigtailed laser diodes in HHL package</p> <ul style="list-style-type: none"> - single and multi mode - different connectors available <p>635 - 1550 nm</p>	1-9 pcs.	1-9 pcs.
RLCD-M63H-350, 635+/-10 nm , 350 mW, multi mode, 100 µm fiber, FC or SMA Connector	2.108,00	2.260,79
RLCD-M63H-1W, 635+/-10 nm , 1 W, multi mode, 400 µm fiber bundle, FC or SMA Connector	5.275,00	5.657,33
RLCD-M63H-2W, 635+/-10 nm , 2 W, multi mode, 400 µm fiber bundle, FC or SMA Connector	7.610,00	8.161,57
RLCD-M65H-200, 650+/-5 nm , 200 mW, multi mode, 100 µm fiber, FC or SMA Connector	620,00	664,94
RLCD-M66H-750, 660+/-5 nm , 750 mW, multi mode, 100 µm fiber, FC or SMA Connector	2.383,00	2.555,72


RLCD-S66H-40, 660+/-5 nm , 40 mW, single mode, 4 µm fiber, HHL, TEC, FC-Connector	978,00	1.048,89
RLCD-S66H-60, 660+/-5 nm , 60 mW, single mode, 4 µm fiber, HHL, TEC, FC-Connector	1.050,00	1.126,10
RLCD-S66H-80, 660+/-5 nm , 80 mW, single mode, 4 µm fiber, HHL, TEC, FC-Connector	1.120,00	1.201,18
G066PU214W, 660+/-5 nm , 1.4 W, 430 µm, TEC, SMA connector	3.153,19	3.381,73
G066PU335W, 660+/-5 nm , 3.5 W, 600 µm, TEC, SMA connector	5.382,71	5.772,85
G067PU160M, 670+/-10 nm , 160 mW, 100 µm, FC connector	810,00	868,71
G067PU200M, 670+/-10 nm , 200 mW, 100 µm, FC connector	1.200,00	1.286,98
RLCD-M66H-2W, 665+/-5 nm , 2 W, multi mode, 400 µm fiber bundle, SMA-Connector	6.530,00	7.003,29
RLCD-M66H-3W, 665+/-5 nm , 3 W, multi mode, 400 µm fiber bundle, SMA-Connector	7.180,00	7.700,41
RLCD-M66H-5W, 665+/-5 nm , 5 W, multi mode, 400 µm fiber bundle, SMA-Connector	o.r.	o.r.
RLT780M-1WFC, 785+/-5nm , 1W, multi mode, 100µm fiber, TEC, FC/PC	798,00	855,84
RLT780M-1.5WFC, 785+/-5nm , 1W, multi mode, 100µm fiber, TEC, FC/PC	838,00	898,74
RLT808M-1.5WFC, 808+/-5nm , 1.5W, multi mode, 100µm fiber, FC/PC, TEC	770,00	825,81
RLT808M-3WFC, 808+/-5nm , 3W, multi mode, 100µm fiber, FC/PC, TEC	1.015,00	1.088,57
RLT808M-8WFC, 808+/-5nm , 8W, multi mode, 100µm fiber, SMA, TEC	1.312,50	1.407,63
RLT808M-10WFC, 808+/-5nm , 10W, multi mode, 400µm fiber, SMA, TEC	1.400,00	1.501,47
RLCO-808-0500-F, 808+/-3 nm , 0.5 W, multi mode, 50 µm, NA 0.22, SMA connector	239,00	256,32
G081PU1600M, 808+/-5 nm , 0.6 W, 50 µm, NA 0.22, connector	425,00	455,80
G081PU1750M, 808+/-5 nm , 0.75 W, 100 µm, NA 0.22, connector	431,00	462,24
RLCO-808-1000-F, 808+/-3 nm , 1 W, multi mode, 100 µm, NA 0.22, SMA connector	265,00	284,21
G081PU11500M, 808+/-5 nm , 1.5 W, 100 µm, NA 0.22, connector	483,33	518,37
RLCO-808-2000-F, 808+/-3 nm , 2 W, multi mode, 100 µm, NA 0.22, SMA connector	499,00	535,17
RLCO-808-3000-F, 808+/-3 nm , 3 W, multi mode, 200 µm, NA 0.22, SMA connector	650,02	697,13
RLCO-808-4000-F, 808+/-3 nm , 4 W, multi mode, 200 µm, NA 0.22, SMA connector	865,88	928,64
RLCO-808-5000-F, 808+/-3 nm , 5 W, multi mode, 200 µm, NA 0.22, SMA connector	1.081,74	1.160,14
RLCD-A81H-2.5W, 808 nm , 2.5 W, multi mode, 650 nm aiming beam, 200 µm fiber	1.065,68	1.142,92
RLCD-A81H-3W, 808 nm , 3 W, multi mode, 650 nm aiming beam , 200 µm fiber	1.098,16	1.177,75
RLCD-A81H-5W, 808 nm , 5 W, multi mode, 650 nm aiming beam , 200 µm fiber	1.268,30	1.360,23
RLCD-A81H-7W, 808 nm , 7 W, multi mode, 650 nm aiming beam , 200 µm fiber	1.546,71	1.658,82
G081PU25W, 808+/-5 nm , 5 W, 400 µm, NA 0.22, connector	1.166,67	1.251,23
G081PU210W, 808+/-5 nm , 10 W, 400 µm, NA 0.22, connector	1.866,67	2.001,96
G081PU312W, 808+/-5 nm , 12 W, 700 µm, NA 0.22, connector	3.333,33	3.574,93
G081PU314W, 808+/-5 nm , 14 W, 700 µm, NA 0.22, connector	2.478,00	2.657,61
G081PU325W, 808+/-5 nm , 25 W, 700 µm, NA 0.22, connector	4.166,67	4.468,67
RLCO-830-1000-F, 830+/-5 nm , 1 W, multi mode, 50 µm, NA 0.22, SMA connector	323,79	347,26
RLCO-830-1500-F, 830+/-5 nm , 1.5 W, multi mode, 50 µm, NA 0.22, SMA connector	650,02	697,13
SPL940-1.5W-105M-HHL, 940nm+/-10 nm , 1.5 W, 105 µm fiber, HHL	821,74	881,30
RLT915-200SPM, 915+/-5nm , 200mW, single mode, PM-fiber, TEC	1.350,00	1.447,85
RLT915M-1.5WFC, 915+/-5nm , 1.5W, multi mode, 100µm fiber, FC/PC, TEC	798,00	855,84
RLT940-200SPM, 940+/-5nm , 200mW, single mode, PM-fiber, TEC	1.630,00	1.748,14
RLT975M-3WFC, 975+/-5nm , 3W, multi mode, 100µm fiber, FC/PC, TEC	1.121,00	1.202,25
RLT975M-10WFC, 975+/-5nm , 10W, multi mode, 200µm fiber, SMA, TEC	1.354,00	1.452,14
RLT979-300SPM, 979+/-5nm , 300mW, single mode, PM-fiber, TEC	1.640,00	1.758,87
RLCO-980-0500-F, 980+/-10 nm , 0.5 W, multi mode, 100 µm, NA 0.22, SMA connector	193,00	206,99
G098PU1600M, 980+/-5 nm , 0.6 W, 50 µm, NA 0.22, connector	381,00	408,61
G098PU1750M, 980+/-5 nm , 0.75 W, 100 µm, NA 0.22, connector	386,00	413,98
RLCO-980-1000-F, 980+/-10 nm , 1 W, multi mode, 100 µm, NA 0.22, SMA connector	232,00	248,82
G098PU11300M, 980+/-5 nm , 1.3 W, 100 µm, NA 0.22, connector	530,00	568,41
RLCO-980-2000-F, 980+/-10 nm , 2 W, multi mode, 100 µm, NA 0.22, SMA connector	365,00	391,46
RLCO-980-3000-F, 980+/-10 nm , 3 W, multi mode, 200 µm, NA 0.22, SMA connector	486,00	521,23
RLCO-980-4000-F, 980+/-10 nm , 4 W, multi mode, 200 µm, NA 0.22, SMA connector	665,00	713,20
RLCO-980-5000-F, 980+/-10 nm , 5 W, multi mode, 200 µm, NA 0.22, SMA connector	824,00	883,72
RLCD-A98H-3W, 980 nm , 3 W, multi mode, 650 nm aiming beam , 200 µm fiber	1.098,16	1.177,75
RLCD-A98H-5W, 980 nm , 5 W, multi mode, 650 nm aiming beam , 200 µm fiber	1.268,30	1.360,23
RLCD-A98H-7W, 980 nm , 7 W, multi mode, 650 nm aiming beam , 200 µm fiber	1.546,71	1.658,82
G098PU25W, 980+/-5 nm , 5 W, 400 µm, NA 0.22, connector	1.130,00	1.211,90
G098PU209W, 980+/-5 nm , 9 W, 400 µm, NA 0.22, connector	2.246,00	2.408,79
G098PU312W, 980+/-5 nm , 12 W, 700 µm, NA 0.22, connector	3.410,00	3.657,16
G098PU322W, 980+/-5 nm , 22 W, 700 µm, NA 0.22, connector	3.956,00	4.242,73
G131PU001S, 1310+/-30 nm , sm fiber, 1 mW, tr/ts= 0.5 ns, TEC	345,00	370,01
G145PU0400m, 1450 nm +/-30 nm , 400 mW, 100 µm, NA 0.22, connector	not available	not available

G145PU23W, 1450 nm +/-30 nm , 3 W, 400 um, NA 0.22, connector	2.035,00	2.182,50
G145PU38W, 1450 nm +/-30 nm , 8 W, 600 um, NA 0.22, SMA-905	4.625,00	4.960,22
RLT1750-500HHL-F, 1750+/-15 nm , 500 mW, mm fiber, 9-pin package	4.070,00	4.364,99
RLT1800-300HHL-F, 1800+/-15 nm , 300 mW, mm fiber, 9-pin package	4.290,00	4.600,94


LASER DIODES - SINGLE BARS

	EUR	USD
 <p>high power single bar laser diodes - cw power: 20, 40 W - qcw power: 60, 100 W</p> <p>780 - 980 nm</p>	1-3 pcs.	1-3 pcs.
AB081C20W, 780..830 nm , 20W cw, 25 x 25 x 13 mm ³	483,33	518,37
AB081C40W, 780..830 nm , 40W cw, 25 x 25 x 13 mm ³	846,67	908,03
AB081Q60W, 780..830 nm , 60W qcw, 25 x 25 x 13 mm ³	200,00	214,50
AB081Q100W, 780..830 nm , 100W qcw, 25 x 25 x 13 mm ³	333,33	357,49
AB098C20W, 920..980 nm , 20W cw, 25 x 25 x 13 mm ³	398,75	427,65
AB098C40W, 920..980 nm , 40W cw, 25 x 25 x 13 mm ³	698,50	749,13

LASER DIODES - LINEAR ARRAYS



	EUR	USD
 <p>high power linear array laser diodes - cw power: 60 - 280 W</p> <p>780 - 830 nm</p>	1-3 pcs.	1-3 pcs.
AL081C60W, 780..830 nm , 60 W cw, 57 x 12 x 15.5 mm ³	1.215,00	1.303,06
AL081C100W, 780..830 nm , 100 W cw, 57 x 12 x 15.5 mm ³	2.025,00	2.171,77
AL081C120W, 780..830 nm , 120 W cw, 57 x 12 x 15.5 mm ³	2.430,00	2.606,13
AL081C140W, 780..830 nm , 140 W cw, 57 x 12 x 15.5 mm ³	2.835,00	3.040,48
AL081C200W, 780..830 nm , 200 W cw, 57 x 12 x 15.5 mm ³	4.050,00	4.343,54
AL081C280W, 780..830 nm , 280 W cw, 57 x 12 x 15.5 mm ³	5.670,00	6.080,96

LASER DIODES - STACKED ARRAYS


	EUR	USD
 <p>high power stacked array laser diodes - cw power: 60 - 480 W - qcw power: 300 - 1200 W</p> <p>780 - 980 nm</p>	1-3 pcs.	1-3 pcs.
CW:		
AS081C60W, 780..830 nm , 60 W cw, 40 x 23.6 x 11 mm ³	2.062,50	2.211,99
AS081C100W, 780..830 nm , 100 W cw, 40 x 23.6 x 11 mm ³	3.066,25	3.288,49
AS081C120W, 780..830 nm , 120 W cw, 40 x 23.6 x 11 mm ³	2.866,88	3.074,67
AS081C140W, 780..830 nm , 140 W cw, 40 x 23.6 x 11 mm ³	4.122,25	4.421,03
AS081C200W, 780..830 nm , 200 W cw, 40 x 23.6 x 11 mm ³	4.365,63	4.682,05
AS081C280W, 780..830 nm , 280 W cw, 40 x 23.6 x 11 mm ³	5.500,00	5.898,64
AS081C320W, 780..830 nm , 320 W cw, 40 x 23.6 x 11 mm ³	6.710,00	7.196,34
AS081C480W, 780..830 nm , 480 W cw, 40 x 23.6 x 11 mm ³	9.748,75	10.455,34
AS098C60W, 920..980 nm , 60 W cw, 30 x 14 x 10 mm ³	2.062,50	2.211,99
AS098C100W, 920..980 nm , 100 W cw, 30 x 14 x 10 mm ³	3.066,25	3.288,49
QCW:		
AS081Q300W, 780..830 nm , 300 W qcw, 30 x 14 x 10 mm ³	o.r.	o.r.
AS081Q600W, 780..830 nm , 600 W qcw, 30 x 14 x 10 mm ³	o.r.	o.r.
AS081Q1200W, 780..830 nm , 1200 W qcw, 30 x 14 x 10 mm ³	o.r.	o.r.


AS081Q3000W, 780..830 nm , 3000 W qcw, 30 x 14 x 10 mm ³	o.f.	o.f.
AS081Q5000W, 780..830 nm , 5000 W qcw, 30 x 14 x 10 mm ³	o.f.	o.f.
AS081Q15000W, 780..830 nm , 15000 W qcw, 30 x 14 x 10 mm ³	o.f.	o.f.
AS098Q300W, 920..980 nm , 300 W qcw, 30 x 14 x 10 mm ³	o.f.	o.f.
AS098Q600W, 920..980 nm , 600 W qcw, 30 x 14 x 10 mm ³	o.f.	o.f.
AS098Q1200W, 920..980 nm , 1200 W qcw, 30 x 14 x 10 mm ³	o.f.	o.f.

VCSELS

VCSEL RED 670 nm	EUR	USD
 <p>VCSEL (Vertical Cavity Surface Emitting Laser diode) red</p> <p>670 nm</p>	1-9 pcs.	1-9 pcs.
VC670M-TO46FW-2, 670 nm , 1.0 mW, 5 mA, mm, 20°, TO-46, flat window	19,00	24,04
VC670M-TO46FW-PD, 670 nm , 1.0 mW, 4 mA, mm, 20°, TO-46, flat window, with PD ► PHASE OUT	19,00	20,38
VC670M-3CEP, 670 nm , 1.0 mW, 4 mA, mm, 15°, 3 mm ceramic with epoxy lens ► PHASE OUT	14,90	15,98
VCSEL IR 780 nm, 850 nm, 980 nm	EUR	USD
 <p>VCSEL (Vertical Cavity Surface Emitting Laser diode) infrared power up to 20 mW cw</p> <p>850 and 980 nm</p>	1-9 pcs.	1-9 pcs.
VC850S-SMD, 850 nm , 0.5 mW, 3.5 mA, sm, 8°, SMD 0603	16,20	17,37
VC850M-SMD, 850 nm , 0.5 mW, 4 mA, mm, 6°, SMD 0603	19,45	20,86
VC850M-TO46GL, 850 nm , 2 mW, 6 mA, mm, 5°, TO-46, glass lens	6,50	6,97
VC850M-H-TO46GL, 850 nm , 10 mW, 20 mA, mm, 2°, TO-46, glass lens	15,42	16,54
VC850M-H-TO46FW, 850 nm , 8 mW, 20 mA, mm, TO-46, flat window, >1.25Gbps	15,42	16,54
VC850M-H-TO46FW-PD, 850 nm , 10 mW, 20 mA, mm, TO-46, flat window, with PD	26,50	28,42
VC850M-H2-TO46FW, 850 nm , 20 mW, 50 mA, mm, TO-46, flat window	28,00	30,03
VC980M-TO46FW, 980 nm , 1.5 mW, 6 mA, mm, 20°, TO-46, flat window	10,86	11,64
VCSEL IR MODULE 780 nm, 850 nm, 980 nm	EUR	USD
 <p>infrared VCSEL in anodized aluminium header with adjustable 3-lens glass collimator</p>	1-9 pcs.	1-9 pcs.
VC850M-MODULE, 850 nm , max. 5 mW, 20 mA, mm, 10x18 mm	51,80	55,55
VC980M-MODULE, 980 nm , max. 0.75 mW, 6 mA, mm, 10x18 mm	51,80	55,55

QUANTUM OPTICS DEVICES





Time Tagging Module	EUR	USD
 <p>8 channel Time to Digital Converter</p> <ul style="list-style-type: none"> - 8 channels continuous - resolution 82ps - 2 channels start-stop - resolution 10ps - continuous / multi stop / single stop - GB-LAN (up to 25m events/s) - variable threshold voltage - software for Linux & Windows - developed & manufactured in Austria 	1-3 pcs.	1-3 pcs.
TTM8000, up to 8 channels with resolution 82ps, GB-LAN, incl.software, 160x110x45 mm	7.600,00	8.150,85
Single Photon Detection Module	EUR	USD

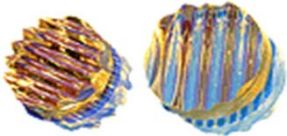

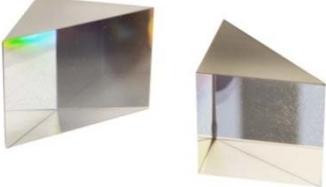
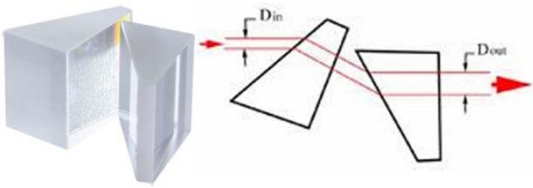
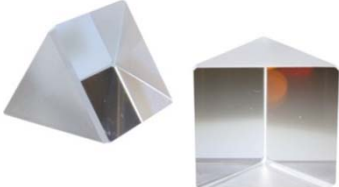
 <p>300 ps Single Photon Counting Module</p> <ul style="list-style-type: none"> - less than 20 dark counts/s - 300 ns dead time - Low jitter, low dark rates - digital output pulse (0,4V) at SMA connector - Single 5 VDC supply voltage - developed & manufactured in Austria - compatible with many different mounts 		
	1-3 pcs.	1-3 pcs.
QD800c-fQ-500, <500 dark counts/s, 300ps res., 300ns dead time, 400-1000nm, 5 VDC	4.600,00	4.933,41
QD800c-fQ-50, <50 dark counts/s, 300ps res., 300ns dead time, 400-1000nm, 5 VDC	5.700,00	6.113,14
QD800c-fQ-20, <20 dark counts/s, 300ps res., 300ns dead time, 400-1000nm, 5 VDC	7.500,00	8.043,60
ADAPT-C-SM1, lens holder adapter plate with SM1 thread	89,60	96,09
ADAPT-C-SM05, lens holder adapter plate with SM5 thread	89,60	96,09
ADAPT-C-SM05-P, lens holder adapter plate with SM5 thread	89,60	96,09
ADAPT-C-RMS, lens holder adapter plate with RMS thread	89,60	96,09
ADAPT-C-MOUNT, Lens holder adapter plate with C-Mount thread	89,60	96,09
ADAPT-C-FC, adapter plate with FC/PC fiber adapter	537,60	576,57
ADAPT-C-FC-FLT, adapter plate with FC/PC fiber adapter and filter holder	627,20	672,66
HS12, heat sink 12 mm	89,60	96,09
HS25, heat sink 25 mm	95,20	102,10
HS25-FAN, heat sink 25 mm with fan	168,00	180,18
Power supply, 90-264VAC	67,20	72,07

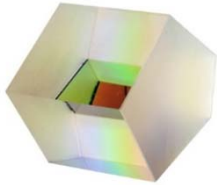
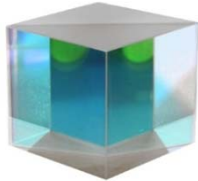
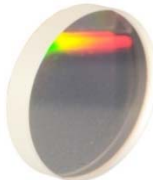
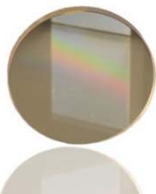
OPTICAL COMPONENTS FOR LASER DIODES

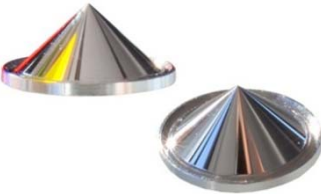



LASER DIODE COLLIMATORS - MOLDED PLASTIC	EUR	USD
 <p>laser diode collimating lenses made of PMMA available with and without anti reflective coating</p>		
	1-99 pcs.	1-99 pcs.
GS-7020-2C, 7 x 3.3 mm, f = 8 mm, ARC, laser diode collimator	1,81	1,94
GS-7021-2C, 5 x 2.3 mm, f = 6 mm, ARC, laser diode collimator	1,81	1,94
CAY046, 7.4 x 3.05 mm, f = 4.6 mm, NA = 0.40, AR coated, laser diode collimator	4,96	5,32
CAY046NC, 7.4 x 3.05 mm, f = 4.6 mm, NA = 0.40, uncoated, laser diode collimator	3,89	4,17
CAW 100NC, 5.20 x 2.44 mm, f = 10.0 mm, NA = 0.20, uncoated, laser diode collimator	4,36	4,68
LENS-05A, 7 x 2.8 mm, f = 8 mm, laser diode collimator ► PHASE OUT	4,76	5,11
LC3, 3 x 2.4 mm, f = 4.5 mm, PMMA, laser diode collimator, uncoated	1,90	2,04
LC5, 5 x 2.3 mm, f = 6.5 mm, PMMA, laser diode collimator, uncoated	1,12	1,20
LC7, 7 x 3.15 mm, f = 7.8 mm, PMMA, laser diode collimator, uncoated	1,12	1,20
LC12, 7 x 3.15 mm, f = 12.5 mm, PMMA, laser diode collimator, uncoated	1,12	1,20
LASER DIODE COLLIMATORS - GLASS	EUR	USD
 <p>glass laser diode collimating lenses M9x0.5 threaded housing 1&3 glass lens design ARC for blue, green, red, and IR laser diodes available focal lengths 4 - 11 mm</p>		
	1-49 pcs.	1-49 pcs.
VIOLET, BLUE		
RGL-402-9C, glass lens , M9x0.5, f=4.0 mm, NA=0.6, ARC 400-700 nm	10,60	11,37
RGL-550-9Bs, glass lens , M9x0.5, f=5.5 mm, NA=0.25, ARC 405-450 nm	10,60	11,37
RGL-550-9B, glass lens , M9x0.5, f=5.5 mm, NA=0.45, ARC 405-450 nm	10,60	11,37
GS-8020B, 3 glass lens , M9x0.5, f=8 mm, NA=0.3, ARC 400-450 nm, o-ring sealing	9,80	10,51
RGL-830-9B, glass lens , M9x0.5, f=8.3 mm, NA=0.30, ARC 405-450 nm	10,60	11,37
LCB-3G, 3 glass lens , M9x0.5, f = 9.5 mm, NA=0.26, ARC 400-450 nm	13,40	14,37
RGL-110-9B, glass lens , M9x0.5, f=11.0 mm, NA=0.45, ARC 405-450 nm	10,60	11,37
GREEN		
RGL-402-9C, glass lens , M9x0.5, f=4.0 mm, NA=0.6, ARC 400-700 nm	10,60	11,37
RGL-550-9G, glass lens , M9x0.5, f=5.5 mm, NA=0.45, ARC 515-535 nm	10,60	11,37
RED		

RGL-402-9C, glass lens , M9x0.5, f=4.0 mm, NA=0.6, ARC 400-700 nm	10,60	11,37
RGL-550-9Rs, glass lens , M9x0.5, f=5.5 mm, NA=0.25, ARC 630-670 nm	10,60	11,37
RGL-550-9R, glass lens , M9x0.5, f=5.5 mm, NA=0.45, ARC 630-670 nm	10,60	11,37
GS-8020A, 3 glass lens , M9x0.5, f=8.0 mm, NA=0.3, ARC 630-670 nm, o-ring sealing	9,80	10,51
RLC-103AF, 3 glass lens , M9x0.5, f = 8.0 mm, NA=0.3, ARC 630-670 nm	9,50	10,19
RGL-830-9R, glass lens , M9x0.5, f=8.3 mm, NA=0.30, ARC 630-670 nm	10,60	11,37
LENS-15, single glass lens , 5 x 1.5 mm, f=9.0 mm, NA=0.11, ARC 630-670 nm	6,80	7,29
MPG-95, 3 glass lens , M9x0.5, f = 9.5 mm, NA=0.29, ARC 630-670 nm	13,20	14,16
MPG-11, 3 glass lens , M9x0.5, f = 11.0 mm, NA=0.26, ARC 630-670 nm	13,20	14,16
RGL-110-9R, glass lens , M9x0.5, f=11.0 mm, NA=0.45, ARC 630-670 nm	10,60	11,37
IR		
RGL-820-9IR, glass lens , M9x0.5, f=8.2 mm, NA=0.29, ARC 630-670 nm	12,80	13,73
RLY-134G, 3 glass lens , M9x0.5, f = 8.2 mm, NA=0.29, ARC 630-780 nm	12,80	13,73
LASER DIODE COLLIMATORS ACHROMATIC DOUBLET LENS - GLASS	EUR	USD
 <p>achromatic doublet lenses for limiting chromatic and spherical aberration best suited for laser diode collimation</p>	1-49 pcs.	1-49 pcs.
DBS-05, glass doublet , 5.2 x 3 mm, f = 11 mm, NA=0.11, ARC	13,40	14,37
DBS-07, glass doublet , 6.5 x 3.6 mm, f = 15 mm, NA=0.18, ARC	14,10	15,12
DBS-14, glass doublet , 14 x 6.9 mm, f = 45 mm, NA=0.13, ARC	19,85	21,29
INFRARED FRESNEL LENSES FOR THERMAL APPLICATIONS	EUR	USD
 <p>fresnel lenses for general MID-IR to FAR-IR applications, transmission range: typ. 1 - 30 µm typical applications: thermopile detector, PIR detector, CO₂ laser sensor, ...</p>	1-99 pcs.	1-99 pcs.
FRES-MIR-12-A, size 12 x 0.6 mm, f=8 mm, white PE material	2,40	2,57
FRES-MIR-20-A, size 20 x 0.6 mm, f=20 mm, white PE material	2,56	2,75
FRES-MIR-12-B, size 12 x 0.6 mm, f=8 mm, dark PE material	2,40	2,57
FRES-MIR-20-B, size 20 x 0.6 mm, f=20 mm, dark PE material	2,56	2,75
SILICON LENSES FOR MID-IR and FAR-IR APPLICATIONS	EUR	USD
 <p>silicon lenses for general MID-IR to FAR-IR thermal applications, transmission range: typ. 1.2 - 9 µm and 30 - 100 µm</p>	1-10 pcs.	1-10 pcs.
MIR-SI-25-25, silicon plano convex lens, diameter: 25 mm, focus length: 25 mm, ct: 2.5 mm	99,00	106,18
MIR-SI-35-55, silicon plano convex lens, diameter: 35 mm, focus length: 55 mm, ct: 3.5 mm	121,00	129,77
GERMANIUM LENSES FOR MID-IR and FAR-IR APPLICATIONS	EUR	USD
 <p>germanium lenses for general MID-IR to FAR-IR thermal applications, transmission range: typ. 2 - 17 µm</p>	1-10 pcs.	1-10 pcs.
MIR-GE-25-25, germanium plano convex lens, diameter: 25 mm, FL: 25 mm, ct: 2.6 mm	143,00	153,36
MIR-GE-35-55, germanium plano convex lens, diameter: 35 mm, FL: 55 mm, ct: 3.5 mm	187,00	200,55
ZINC SELENIDE LENSES FOR MID-IR and THERMAL APPLICATIONS	EUR	USD

	zinc selenide lenses for IR detectors, CO ₂ laser focusing and general MID-IR to FAR-IR thermal applications, transmission range: typ. 600 nm - 16 µm		
		1-10 pcs.	1-10 pcs.
	MIR-ZN-25-50, ZnSe plano convex lens, diameter: 25.4 mm, FL: 50.8 mm, ct: 2.5 mm	144,00	154,44
	MIR-ZN-25-157, ZnSe plano convex lens, diameter: 25.4 mm, FL: 157 mm, ct: 2.5 mm	144,00	154,44
	MIR-ZN-25-50-M, ZnSe meniscus lens, AR/AR 10.6µm, dia. 25.4mm, FL 50.8mm, ct 2.5 mm	180,00	193,05
CALCIUM FLUORIDE LENSES FOR UV TO MID-IR APPLICATIONS		EUR	USD
	calcium fluoride lenses (CaF ₂) are broadband lenses from UV to MID-IR spectral range with a flat transmission range from typ. 150 nm - 9 µm		
		1-10 pcs.	1-10 pcs.
	UVIR-CAF2-25-25, CaF ₂ bi convex lens, diameter: 25 mm, FL: 25 mm, ct: 11.0 mm	121,00	129,77
	UVIR-CAF2-35-55, CaF ₂ plano convex lens, diameter: 35 mm, FL: 55 mm, ct: 10.0 mm	143,00	153,36
CYLINDER LENSES - GLASS		EUR	USD
	glass cylinder lenses for line generation		
		1-49 pcs.	1-49 pcs.
	CL2.0x5.0, cylinder lens , diameter 2.0 mm, length 5.0 mm, BK-7 glass	3,50	3,75
	CL2.5x5.5, cylinder lens , diameter 2.5 mm, length 5.5 mm, BK-7 glass	3,50	3,75
	CL4.0x6.0, cylinder lens , diameter 4.0 mm, length 6.0 mm, BK-7 glass	3,50	3,75
	CL5.0x8.0, cylinder lens , diameter 5.0 mm, length 8.0 mm, +/-25°, K9 glass	3,50	3,75
	CL7.0x10.0, cylinder lens , diameter 7.0 mm, length 10.0 mm, +/-15°, BK-7 glass	3,50	3,75
	CL7.0x15.0, cylinder lens , diameter 7.0 mm, length 15.0 mm, +/-15°, K9 glass, SD 40/20	7,40	7,94
	HCL8.2x3.4, half-cylinder lens , 8.2x3.4 mm, +/-8°, BK-7 glass	o.r.	o.r.
	HCL10.0x2.0, half-cylinder lens , 10.0x2.0 mm, +/-1.5°, BK-7 glass	4,30	4,61
	HCL10.0x7.0x3.7, half-cylinder lens , 10.0x7.0x3.7 mm, +/-12°, BK-7 glass	4,30	4,61
POWELL LASER LINE GENERATORS - GLASS		EUR	USD
	patented Powell line generating lens offers very even intensity distribution over the complete length of the projected line		
		1-9 pcs.	1-9 pcs.
	PL532-1-10, 10° line, beam Ø 1mm, wavelength 532nm, Ø 9 x 8 mm	71,10	76,25
	PL650-3-10, 10° line, beam Ø 3mm, wavelength 650nm, Ø 9 x 8 mm	71,10	76,25
	PL650-5-10, 10° line, beam Ø 5mm, wavelength 650nm, Ø 9 x 8 mm	71,10	76,25
	PL532-1-15, 15° line, beam Ø 1mm, wavelength 532nm, Ø 9 x 8 mm	71,10	76,25
	PL650-3-15, 15° line, beam Ø 3mm, wavelength 650nm, Ø 9 x 8 mm	71,10	76,25
	PL650-5-15, 15° line, beam Ø 5mm, wavelength 650nm, Ø 9 x 8 mm	71,10	76,25
	PLLG-30, 30°-line , beam Ø 1mm, wavelength 650nm, Ø 9 x 9 mm ► PHASE OUT	59,00	63,28
	PL532-1-30, 30° line, beam Ø 1mm, wavelength 532nm, Ø 9 x 8 mm	71,10	76,25
	PL650-3-30, 30° line, beam Ø 3mm, wavelength 650nm, Ø 9 x 8 mm	71,10	76,25
	PL650-5-30, 30° line, beam Ø 5mm, wavelength 650nm, Ø 9 x 8 mm	71,10	76,25
	PL532-1-45, 45° line, beam Ø 1mm, wavelength 532nm, Ø 9 x 8 mm	64,10	68,75
	PL650-3-45, 45° line, beam Ø 3mm, wavelength 650nm, Ø 9 x 8 mm	64,10	68,75
	PL650-5-45, 45° line, beam Ø 5mm, wavelength 650nm, Ø 9 x 8 mm	64,10	68,75
	PL532-1-60, 60° line, beam Ø 1mm, wavelength 532nm, Ø 9 x 8 mm	64,10	68,75
	PL650-3-60, 60° line, beam Ø 3mm, wavelength 650nm, Ø 9 x 8 mm	64,10	68,75
	PL650-5-60, 60° line, beam Ø 5mm, wavelength 650nm, Ø 9 x 8 mm	64,10	68,75
	PL532-1-90, 90° line, beam Ø 1mm, wavelength 532nm, Ø 9 x 8 mm	64,10	68,75
	PL650-3-90, 90° line, beam Ø 3mm, wavelength 650nm, Ø 9 x 8 mm	64,10	68,75


PL650-5-90, 90° line, beam Ø 5mm, wavelength 650nm, Ø 9 x 8 mm	64,10	68,75
LINE & CROSS LINE GENERATORS - MOLDED PLASTIC	EUR	USD
 <p>molded plastic line generatoris and cross line generators</p>	1-99 pcs.	1-99 pcs.
LG-35, 8 x 2 mm, 35°-lineoptik , PMMA	2,65	2,84
LG-58, 8 x 2 mm, 58°-lineoptik , PMMA	2,65	2,84
LG-90, 8 x 2 mm, 90°-lineoptik , PMMA	2,65	2,84
CG-58, 8 x 2 mm, 2 x 58°-cross-lineoptik , PMMA	2,98	3,20
RETROREFLECTORS	EUR	USD
 <p>trihedral prisms or corner cubes do reflect a laser beam by 180° back to ist origin through total internal reflection</p>	1-99 pcs.	1-99 pcs.
CCUBE-13-K9, 12.7 x 9.5 mm, 60/40 SD, flatness $\lambda/10$, uncoated, H-K9L	48,00	51,48
CCUBE-13-BK7, 12.7 x 9.5 mm, S/D 60/40, flatness $\lambda/10$, uncoated, BK7	70,00	75,07
CCUBE-25-K9, 25.4 x 19 mm, S/D 60/40, flatness $\lambda/10$, uncoated, H-K9L	48,00	51,48
CCUBE-25-BK7, 25.4 x 19 mm, S/D 60/40, flatness $\lambda/10$, uncoated, BK7	79,90	85,69
PRISMS	EUR	USD
 <p>prisms can be used to deviate a laser beam by 90° or 180° depending on which side is used for the input beam</p>	1-99 pcs.	1-99 pcs.
RA-PRISM-10-K9, Right Angle Prism, 10x10x10mm, $\lambda/10$, uncoated, H-K9L	16,00	17,16
RA-PRISM-10-BK7, Right Angle Prism, 10x10x10mm, $\lambda/10$, uncoated, BK7	17,50	18,77
RA-PRISM-20-K9, Right Angle Prism, 20x20x20mm, $\lambda/10$, uncoated, H-K9L	24,50	26,28
RA-PRISM-20-BK7, Right Angle Prism, 20x20x20mm, $\lambda/10$, uncoated, BK7	28,50	30,57
RA-PRISM-25-K9, Right Angle Prism, 25x25x25mm, $\lambda/10$, uncoated, H-K9L	29,10	31,21
RA-PRISM-25-BK7, Right Angle Prism, 25x25x25mm, $\lambda/10$, uncoated, BK7	33,10	35,50
ANAMORPHIC PRISMS	EUR	USD
 <p>anamorphic prism pairs are used to convert an elliptic laser diode beam to near round beam profile</p>	1-99 pcs.	1-99 pcs.
AN-PRISM-12-SF11, Anamorphic Prism, 12x12x8.5mm, $\lambda/10$, uncoated, SF11	44,00	47,19
EQUILATERAL PRISMS	EUR	USD
 <p>equilateral or dispersion prisms have three equal 60° angles, and are used for spectral dispersion of light</p>	1-99 pcs.	1-99 pcs.
EL-PRISM-25-K9, Equilateral Prism, 25.4mm, $\lambda/10$, uncoated, H-K9L	45,00	48,26
EL-PRISM-25-BK7, Equilateral Prism, 25.4mm, $\lambda/10$, uncoated, BK7	52,50	56,31
PENTA PRISMS	EUR	USD

	penta prism deviates the input beam through 90°, but does not invert the image in the process		
		1-99 pcs.	1-99 pcs.
PT-PRISM-10-K9, Penta Prism, 10x10mm, λ/10, AL coating, H-K9L		69,60	74,64
PT-PRISM-10-BK7, Penta Prism, 10x10mm, λ/10, AL coating, BK7		42,00	45,04
PT-PRISM-25-BK7, Penta Prism, 25.4x25.4mm, λ/10, AL coating, BK7		84,00	90,09
POLARIZING BEAMSPLITTER CUBES		EUR	USD
	beamsplitter splits randomly polarized light into two linear polarized beams		
		1-99 pcs.	1-99 pcs.
PBS-05-BK7, Pol. Beamsplitter Cube, 5x5x5mm, λ/4, coating 450-650nm, BK7		110,00	117,97
PBS-10-ZF1, Pol. Beamsplitter Cube, 10x10x10mm, λ/4, coating 450-650nm, ZF1		92,00	98,67
PBS-10-BK7, Pol. Beamsplitter Cube, 10x10x10mm, λ/4, coating 450-650nm, BK7		117,50	126,02
PBS-20-ZF1, Pol. Beamsplitter Cube, 20x20x20mm, λ/4, coating 450-650nm, ZF1		98,60	105,75
PBS-20-BK7, Pol. Beamsplitter Cube, 20x20x20mm, λ/4, coating 450-650nm, BK7		133,20	142,85
WINDOWS		EUR	USD
	BK7 and H-K9L high precision uncoated windows for broad wavelength range of 350 nm to 2 μm excellent transmission in the visible and IR range		
		1-99 pcs.	1-99 pcs.
WIN-10-K9, Window, Ø 10 x 3 mm, uncoated, H-K9L glass		9,50	10,19
WIN-10-BK7, Window, Ø 10 x 3 mm, uncoated, BK7 glass		9,50	10,19
WIN-13-K9, Window, Ø 12.7 x 3 mm, uncoated, H-K9L glass		9,50	10,19
WIN-13-BK7, Window, Ø 12.7 x 3 mm, uncoated, BK7 glass		9,50	10,19
WIN-15-K9, Window, Ø 15 x 3 mm, uncoated, H-K9L glass		10,50	11,26
WIN-15-BK7, Window, Ø 15 x 3 mm, uncoated, BK7 glass		10,50	11,26
WIN-20-K9, Window, Ø 20 x 3 mm, uncoated, H-K9L glass		13,50	14,48
WIN-20-BK7, Window, Ø 20 x 3 mm, uncoated, BK7 glass		13,50	14,48
WIN-25-K9, Window, Ø 25.4 x 3 mm, uncoated, H-K9L glass		18,00	19,30
WIN-25-BK7, Window, Ø 25.4 x 3 mm, uncoated, BK7 glass		18,00	19,30
WIN-30-K9, Window, Ø 30 x 3 mm, uncoated, H-K9L glass		19,00	20,38
WIN-30-BK7, Window, Ø 30 x 3 mm, uncoated, BK7 glass		19,00	20,38
WIN-50-K9, Window, Ø 50.8 x 3 mm, uncoated, H-K9L glass		25,50	27,35
WIN-50-BK7, Window, Ø 50.8 x 3 mm, uncoated, BK7 glass		25,50	27,35
METAL COATED MIRRORS		EUR	USD
	metal coated mirrors are ideally suited for reflecting light over a broad range of wavelengths		
		1-99 pcs.	1-99 pcs.
MIR-AL-25K9, Mirror, Ø 25.4 x 3 mm, λ/10, coating: AL+SiO ₂ , R _{AVS} > 87%, H-K9L		36,50	39,15
MIR-AL-25BK, Mirror, Ø 25.4 x 3 mm, λ/10, coating: AL+SiO ₂ , R _{AVS} > 87%, BK7		37,50	40,22
MIR-AG-25K9, Mirror, Ø 25.4 x 3 mm, λ/10, coating: AG+SiO ₂ , R _{AVS} > 95%, H-K9L		38,50	41,29
MIR-AG-25BK, Mirror, Ø 25.4 x 3 mm, λ/10, coating: AG+SiO ₂ , R _{AVS} > 95%, BK7		39,50	42,36
CONE MIRRORS		EUR	USD

 <p>cone mirrors are used to reflect a laser beam by 90° and spread it's light in an angle of 360°</p>	1-99 pcs.	1-99 pcs.
CMIR-AL-70, Cone Mirror, Ø 7.0 x 3.0 (6.0) mm, $\lambda/10$, Aluminum	29,80	31,96
BALL LENSES	EUR	USD
 <p>Half ball lenses with high refraction index for shortest focal length ideally suited for fiber coupling application, endoscopy, ... S/D 40/20 Ovality <0,003</p>	1-99 pcs.	1-99 pcs.
HBL-01, Half ball lens, Ø 1 mm, uncoated, H-K9L glass	11,90	12,76
HBL-02, Half ball lens, Ø 2 mm, uncoated, H-K9L glass	9,20	9,87
HBL-03, Half ball lens, Ø 3 mm, uncoated, H-K9L glass	9,20	9,87
HBL-04, Half ball lens, Ø 4 mm, uncoated, H-K9L glass	9,20	9,87
HBL-05, Half ball lens, Ø 5 mm, uncoated, H-K9L glass	9,20	9,87
HBL-06, Half ball lens, Ø 6 mm, uncoated, H-K9L glass	12,80	13,73
HBL-08, Half ball lens, Ø 8 mm, uncoated, H-K9L glass	12,80	13,73
HBL-10, Half ball lens, Ø 10 mm, uncoated, H-K9L glass	14,20	15,23
HBL-15, Half ball lens, Ø 15 mm, uncoated, H-K9L glass	17,50	18,77
HBL-18, Half ball lens, Ø 18 mm, uncoated, H-K9L glass	29,10	31,21
HBL-25, Half ball lens, Ø 25 mm, uncoated, H-K9L glass	33,60	36,04
HBL-38, Half ball lens, Ø 38 mm, uncoated, H-K9L glass	41,90	44,94
BALL LENSES	EUR	USD
 <p>ball lenses with high refraction index for shortest focal length ideally suited for fiber coupling application, endoscopy, ... S/D 40/20 Ovality <0,003</p>	1-99 pcs.	1-99 pcs.
BL-01, Ball Lens, Ø 1 mm, uncoated, H-K9L glass	9,90	10,62
BL-02, Ball Lens, Ø 2 mm, uncoated, H-K9L glass	8,20	8,79
BL-03, Ball Lens, Ø 3 mm, uncoated, H-K9L glass	8,20	8,79
BL-04, Ball Lens, Ø 4 mm, uncoated, H-K9L glass	8,20	8,79
BL-05, Ball Lens, Ø 5 mm, uncoated, H-K9L glass	8,20	8,79
BL-06, Ball Lens, Ø 6 mm, uncoated, H-K9L glass	11,80	12,66
BL-08, Ball Lens, Ø 8 mm, uncoated, H-K9L glass	9,30	9,97
BL-10, Ball Lens, Ø 10 mm, uncoated, H-K9L glass	13,10	14,05
BL-15, Ball Lens, Ø 15 mm, uncoated, H-K9L glass	15,50	16,62
BL-18, Ball Lens, Ø 18 mm, uncoated, H-K9L glass	57,90	62,10
BL-25, Ball Lens, Ø 25 mm, uncoated, H-K9L glass	62,40	66,92
BL-38, Ball Lens, Ø 38 mm, uncoated, H-K9L glass	68,70	73,68
FIBER OPTIC COLLIMATOR LENSES	EUR	USD
 <p>Collimate light exiting a fiber to a selected spot size. The lenses are broadband coated, but can be also offered with costumized antireflection coating. The units are available with FC/PC or SMA connector. focal lengths 4 - 40 mm, spot size 1.1 - 11 mm</p>	1-10 pcs.	1-10 pcs.
FOC-A4F30-FC, f = 4 mm, 3 mrad, spot Ø1.1 mm, Ø18 x 29 mm, FC connector	192,69	206,66
FOC-A4F30-SMA, f = 4 mm, 3 mrad, spot Ø1.1 mm, Ø18 x 29 mm, SMA connector	192,69	206,66
FOC-C10F12-FC, f = 10 mm, 1.2 mrad, spot Ø2.75 mm, Ø18 x 30.4 mm, FC connector	207,03	222,04
FOC-C10F12-SMA, f = 10 mm, 1.2 mrad, spot Ø2.75 mm, Ø18 x 30.4 mm, SMA connector	207,03	222,04
FOC-C15F10-FC, f = 15 mm, 1 mrad, spot Ø4 mm, Ø18 x 30.4 mm, FC connector	207,03	222,04
FOC-C15F10-SMA, f = 15 mm, 1 mrad, spot Ø4 mm, Ø18 x 30.4 mm, SMA connector	207,03	222,04
FOC-C15F10Q-FC, f = 15 mm, 1 mrad, spot Ø4 mm, quartz lens, Ø18 x 30.4 mm, FC connector	221,36	237,40


FOC-C15F10Q-SMA, f = 15 mm, 1 mrad, spot Ø4 mm, quartz lens, Ø18 x 30.4 mm, SMA conn.	221,36	237,40
FOC-B18F07-FC, f = 18 mm, 0.7 mrad, spot Ø5 mm, Ø18 x 34 mm, FC connector	192,69	206,66
FOC-B18F07-SMA, f = 18 mm, 0.7 mrad, spot Ø5 mm, Ø18 x 34 mm, SMA connector	192,69	206,66
FOC-C20F10-FC, f = 20 mm, 1 mrad, spot Ø5.5 mm, Ø18 x 30.4 mm, FC connector	207,03	222,04
FOC-C20F10-SMA, f = 20 mm, 1 mrad, spot Ø5.5 mm, Ø18 x 30.4 mm, SMA connector	207,03	222,04
FOC-C20F05D-FC, f = 20 mm, 0.5 mrad, spot Ø5.5 mm, double lens, Ø18 x 30.4 mm, FC conn.	221,36	237,40
FOC-C20F05D-SMA, f = 20 mm, 0.5 mrad, spot Ø5.5 mm, double lens, Ø18 x 30.4 mm, SMA	221,36	237,40
FOC-D30F07-FC, f = 30 mm, 0.7 mrad, spot Ø8.2 mm, Ø25.4 x 56.1 mm, FC connector	235,69	252,77
FOC-D30F07-SMA, f = 30 mm, 0.7 mrad, spot Ø8.2 mm, Ø25.4 x 56.1 mm, SMA connector	235,69	252,77
FOC-D40F07-FC, f = 40 mm, 0.7 mrad, spot Ø11 mm, Ø25.4 x 56.1 mm, FC connector	235,69	252,77
FOC-D40F07-SMA, f = 40 mm, 0.7 mrad, spot Ø11 mm, Ø25.4 x 56.1 mm, SMA connector	235,69	252,77
FOC-D40F08D-FC, f = 40 mm, 0.8 mrad, spot Ø11 mm, double lens, Ø25.4 x 56.1 mm, FC conn.	251,62	269,86
FOC-D40F08D-SMA, f = 40 mm, 0.8 mrad, spot Ø11 mm, double lens, Ø25.4 x 56.1 mm, SMA	251,62	269,86
FOC-D40F02Q-FC, f = 40 mm, 0.2 mrad, spot Ø11 mm, quartz lens, Ø25.4 x 56.1 mm, FC conn.	251,62	269,86
FOC-D40F02Q-SMA, f = 40 mm, 0.2 mrad, spot Ø11 mm, quartz lens, Ø25.4 x 56.1 mm, SMA	251,62	269,86


DIFFRACTIVE PATTERN GENERATORS	EUR	USD
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 <p>diffraction pattern generators made from ruled PMMA sheets standard figures: line, circle, cross line</p> <p>special patterns available on request</p>	1-99 pcs.	1-99 pcs.
DPG11, circle , angle 3°, acrylic die, 7 x 1 mm	1,10	1,18
DPG12, line , angle 6°, acrylic die, 7 x 1 mm	1,10	1,18
DPG18, cross line , angle 8.8°, acrylic die, 7 x 1 mm	1,10	1,18

ACCESSORIES FOR LASER DIODES

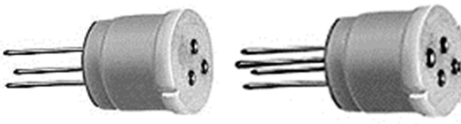
MOUNTING TUBES FOR LASER DIODES AND OPTICS	EUR	USD
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 <p>Complete Laser Diode Assembly</p> <ul style="list-style-type: none"> - precise CNC tooling - for 3.8, 5.6 & 9.0mm TO-Can laser diodes - compact size - focussable acryl lens, uncoated - threaded latching, no glue required 	1-99 pcs.	1-99 pcs.
LDA-38, 3.8 mm laser diode assembly with focussable acryl lens f=6.5mm, 6.5x11 mm, brass	18,10	19,41
LDA-56, 5.6 mm laser diode assembly with focussable acryl lens f=6.5mm, 11x13 mm, brass	19,20	20,59
LDA-90, 9.0 mm laser diode assembly with focussable acryl lens f=6.5mm, 11x14 mm, brass	19,20	20,59

 <p>laser diode optic mounting tubes used for mounting laser diodes with 5.6 mm or 9 mm packages and diverse collimating optics with standard thread M9 x 0.5 mm aluminium, black anodized</p>	1-99 pcs.	1-99 pcs.
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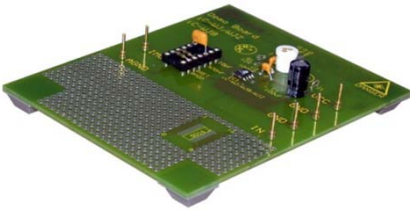
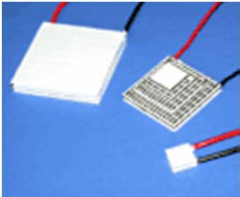
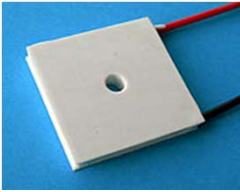
LDMT-56-10, 5.6 mm LD mountingtube, 10x18 mm, thread M9 x 0.5	14,29	15,33
LDMT-56-10-LT, 5.6 mm LD mountingtube, 10x18 mm, long thread M9 x 0.5	14,29	15,33
LDMT-90-10, 9.0 mm LD mountingtube, 10x18 mm, thread M9 x 0.5	14,29	15,33
LDMT-90-10-LT, 9.0 mm LD mountingtube, 10x18 mm, long thread M9 x 0.5	14,29	15,33
LDMT-90-11, 9.0 mm LD mountingtube, 11x18 mm, thread M9 x 0.5	14,29	15,33







SOCKETS FOR LASER DIODES	EUR	USD
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 <p>laser diode socket teflon body, gold plated contacts, 3 pins or 4 pins, superior quality, for 5.6 and 9.0 mm laser diodes</p>	1-99 pcs.	1-99 pcs.
LDS-T-3, laser diode socket 3-pin version, teflon, gold plated, superior quality	4,96	5,32
LDS-T-4, laser diode socket 4-pin version, teflon, gold plated, superior quality	5,62	6,03







DRIVERS FOR LASER DIODES

LASER DIODE DRIVER BOARDS (PCB)		EUR	USD
	diverse, easy to handle driver boards for laser diodes, ready to use, but not preset to the specific parameters of the laser diode LD specific drive parameters can be adjusted in a wide range		
		1-49 pcs.	1-49 pcs.
N-type (common LD+ and PD-)			
iC-WK2D, 6.5 x 20 mm ² , PCB-board, N-type, CAC		9,53	10,22
iC-WKL2D, 6.5 x 20 mm ² , PCB-board, N-type, CAC		10,79	11,57
EU-37, 10.5 x 18 mm ² , APC, 4.5-6 VDC, slow start, max 200 mA		9,54	10,23
EU-39, 9 x 16 mm ² , APC, 3 VDC, max 300 mA, external PD		9,54	10,23
EU-38-PD, 35 x 14 mm ² , auto power control, LD current max. 1 A		24,00	25,74
EU-41, 10.5 x 18 mm ² , APC, 3 VDC, 400mA for BLUE and GREEN LD NEW		12,90	13,83
EU-42, 10.5 x 11.3 mm ² , APC, modulable up to 300Khz		9,54	10,23
M-type (common LD- and PD-)			
iC-WK1D, 6.5 x 20 mm ² , PCB-board, M-type, CCA		9,53	10,22
iC-WKL1D, 6.5 x 20 mm ² , PCB-board, M-type, CCA		10,79	11,57
EU-38-PD, 35 x 14 mm ² , auto power control, LD current max. 1 A		24,00	25,74
P-type (common LD- and PD+)			
iC-WK1D, 6.5 x 20 mm ² , PCB-board, P-type, CCA		9,53	10,22
iC-WKL1D, 6.5 x 20 mm ² , PCB-board, P-type, CCA		10,79	11,57
EU-38-PD, 35 x 14 mm ² , auto power control, LD current max. 1 A		24,00	25,74
without PD			
EU-38-TTL, 35 x 14 mm ² , ACC, TTL modulable, LD current max. 1 A		22,00	23,59
EU-38-1, 35 x 14 mm ² , ACC, max. 1.0 A		21,80	23,38
EU-40, 11 x 23 mm ² , ACC, 3 VDC, 400mA for BLUE and GREEN LD NEW		12,90	13,83
LASER DIODE DRIVER ICs		EUR	USD
	diverse drivers for laser diodes as integrated circuits		
		1-49 pcs.	1-49 pcs.
iC-VJ SO16N, driver IC for cw laser diodes		4,05	4,34
iC-VJZ SO16N, driver IC for cw laser diodes		4,05	4,34
iC-WJ SO8, driver IC for cw laser diodes		3,67	3,93
iC-WJ MSOP8, driver IC for cw laser diodes		3,77	4,04
iC-WJZ SO8, driver IC for cw laser diodes		3,67	3,93
iC-WJZ MSOP8, driver IC for cw laser diodes		3,77	4,04
iC-WJB SO8, driver IC for cw laser diodes, 2.7 VDC		3,91	4,19
iC-WJB MSOP8, driver IC for cw laser diodes, 2.7 VDC		4,01	4,30
iC-WK SO8, driver IC for any laser diode polarity, 2.4 VDC		3,29	3,52
iC-WK MSOP8, driver IC for any laser diode polarity, 2.4 VDC		3,35	3,59
iC-WKL SO8, driver IC for any laser diode polarity, industrial, 2.4 VDC		3,90	4,18
iC-WKL MSOP8, driver IC for any laser diode polarity, industrial, 2.4 VDC		3,90	4,18
iC-HB QFN24, triple laser diode switch 155 MHz, with LVDS inputs		5,00	5,36
iC-HG QFN28, laser diode switch 200 MHz, Ip up to 3 A		10,00	10,72
iC-HK SO8-TP, laser diode switch 155 MHz, Ip up to 700 mA		3,13	3,35
iC-HK MSOP8, laser diode switch 155 MHz, Ip up to 700 mA		3,13	3,35
iC-HKB SO8-TP, laser diode switch 155 MHz for blue laser diodes, Ip up to 700 mA		3,13	3,35
iC-HKB MSOP8, laser diode switch 155 MHz for blue laser diodes, Ip up to 700 mA		3,30	3,54
iC-WKM SO8-TP, cw M-type laser diode driver IC, up to 350 mA, Ub: 3.6 - 15 VDC		4,40	4,72
iC-WKM DFN10, cw M-type laser diode driver IC, up to 350 mA, Ub: 3.6 - 15 VDC		4,40	4,72
iC-WKN SO8-TP, cw N-type laser diode driver IC, up to 300 mA, Ub: 2.4 - 15 VDC		4,40	4,72
iC-WKN DFN10, cw N-type laser diode driver IC, up to 300 mA, Ub: 2.4 - 15 VDC		4,40	4,72
iC-WKP SO8-TP, cw P-type laser diode IC, up to 350 mA, Ub: 3.0 - 15 VDC		4,40	4,72

IC-WKP DFN10 , cw P-type laser diode IC, up to 350 mA, Ub: 3.0 - 15 VDC	4,40	4,72
IC-NZ QFN28 , laser diode pulse driver IC, 3.5 - 5.5 V supply, cw .. 155 MHz	10,00	10,72
IC-NZN QFN24 , N-type laser diode pulse driver IC, 3.5 - 5.5 V supply, cw .. 155 MHz	6,00	6,43
IC-NZP QFN24 , P-type laser diode pulse driver IC, 3.5 - 5.5 V supply, cw .. 155 MHz	6,00	6,43
IC-HL DFN10 , programable laser bias resistor	6,00	6,43
EVALUATION BOARDS FOR LASER DIODE DRIVER ICs	EUR	USD
 <p>evaluation boards, to set up your iC drivers easily</p>	1-49 pcs.	1-49 pcs.
IC-HG EVAL HG1D , demo board for iC-HG, including 2 samples	76,00	81,51
IC-NZ EVAL NZ1D , demo board for iC-NZ, including 2 samples	76,00	81,51
IC-NZN EVAL NZN1D , demo board for iC-NZN, including 2 samples	76,00	81,51
IC-NZP EVAL NZP1D , demo board for iC-NZP, including 2 samples	76,00	81,51
IC-VJ EVAL VJD , demo board for iC-VJ, including 2 samples	76,00	81,51
IC-VJZ EVAL VJD , demo board for iC-VJZ, including 2 samples	76,00	81,51
IC-WJ EVAL WJ1D , demo board for iC-WJ, including 2 samples	76,00	81,51
IC-WJB EVAL WJ1D , demo board for iC-WJB, including 2 samples	76,00	81,51
IC-WJZ EVAL WJ1D , demo board for iC-WJZ, including 2 samples	76,00	81,51
IC-WK EVAL WK4D , demo board for iC-WK, including 2 samples	76,00	81,51
IC-WKL EVAL WK4D , demo board for iC-WKL, including 2 samples	76,00	81,51
IC-WKN EVAL WK4D , demo board for iC-WKN, including 2 samples	76,00	81,51
IC-WKM EVAL WK1D , demo board for iC-WKM, including 2 samples	76,00	81,51
IC-WKP EVAL WK1D , demo board for iC-WKP, including 2 samples	76,00	81,51
THERMOELECTRIC COOLERS		
TEC ELEMENTS (peltier elements)	EUR	USD
 <p>TEC elements for cooling and heating, diverse sizes and electrical properties 1-, 2-, 3- and 4 stage modules available</p> <p>Tmax: 125 °C OEM designs available on request</p>	1-9 pcs.	1-9 pcs.
TEC1-00705T125 , 1 stage, 7 couples, 0.85V, 5A, 2.8W, dTmax: 67°C, 10x10x4.0 mm3	8,40	9,01
TES1-1702LT125 , 1 stage, 17 couples, 2.0V, 2A, 2.4W, dTmax: 64°C, 6.2x6.2x2.2 mm3	15,90	17,05
TES1-03103T125 , 1 stage, 31 couples, 3.7V, 3A, 7.0W, dTmax: 66°C, 15x15x3.5 mm3	8,70	9,33
TES1-3202T125 , 1 stage, 32 couples, 3.87V, 2A, 4.31W, dTmax: 66°C, 8.2x8.2x2.2 mm3	15,00	16,09
TES1-07103T125 , 1 stage, 71 couples, 8.5V, 3A, 15.8W, dTmax: 66°C, 23x23x3.5 mm3	12,60	13,51
TES1-12703T125 , 1 stage, 127 couples, 15.2V, 3A, 28.3W, dTmax: 66°C, 30x30x3.5 mm3	13,50	14,48
TEC1-12705T125 , 1 stage, 127 couples, 15.2V, 5A, 52.1W, dTmax: 67°C, 40x40x4.0 mm3	10,95	11,74
TEC2-25407T125 , 2 stages, 254 couples, 15.2V, 7A, dTmax: 100°C, 40x40x7.0 mm3	33,00	35,39
TEC3-22902T125 , 3 stages, 229 couples, 15.2V, 2A, dTmax: 100°C, 40x40x8.25 mm3	95,68	102,61
TES4-24601T125 , 4 stages, 246 couples, 15.2V, 1.3A, dTmax: 100°C, 30x30x14.5 mm	107,64	115,44
 <p>TEC element size 30 x 30 x 5.5 mm² for cooling and heating with central hole 4.7 mm diameter</p>	1-9 pcs.	1-9 pcs.
TEC1-07103T125 , 1 stage, 8.5V, 3A, 16W, dTmax: 67°C, 30x30x5.5 mm3, hole: 4.7 mm	12,00	12,87
LASER MODULES - UV		
UV LASER DIODE MODULES, LDM-375 series, MODULATION	EUR	USD





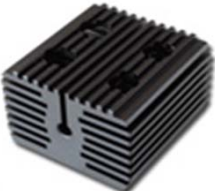
	<p>375 nm laser diode module, with TEC and TTL or analog modulation, fiber coupling option, 85 - 260 VAC power supply included 375 nm</p>		
		1-3 pcs.	1-3 pcs.
LDM-375-10-TEC-M, 375 nm , 10-20 mW cw, stability <5%, laser head 91x52x33 mm		10.119,05	10.852,48
LDM-375-20-TEC-M, 375 nm , 20-30 mW cw, stability <5%, laser head 91x52x33 mm		10.280,95	11.026,12
LDM-375-50-TEC-M, 375 nm , 40-50 mW cw, stability <5%, laser head 91x52x33 mm		10.442,86	11.199,76
LDM-375-10-TEC-M-F, 375 nm , 10 mW cw, stability <5%, fiber coupled, MM		12.709,52	13.630,71
LASER MODULES - VIOLET			
VIOLET LASER DIODE MODULES, CW405 series		EUR	USD
	<p>small size, high quality violet laser diode module - APC (automatic power control) - <1 mW or <5 mW - fixfocus - 2-5 VDC input voltage range 405 nm</p>		
		1-9 pcs.	1-9 pcs.
CW405-01, 405 nm , 1 mW, automatic power control, Ø12 x 20 (49) mm, 2-5 VDC		41,90	44,94
CW405-05, 405 nm , 5 mW, automatic power control, Ø12 x 20 (49) mm, 2-5 VDC		41,90	44,94
VIOLET LASER DIODE MODULES, STAR405 series, FOCUSABLE + MODULATION		EUR	USD
	<p>high quality violet laser diode module - low divergence 0.3 mrad - focusable glass lens - 1..20 mW - modulable up to 1 kHz TTL 405 nm</p>		
		1-9 pcs.	1-9 pcs.
STAR405F5, 405 nm , 5 mW, 0.3 mrad, <1 kHz, Ø16 x 60 mm, 6 VDC		42,00	45,04
STAR405F10, 405 nm , 10 mW, 0.3 mrad, <1 kHz, Ø16 x 60 mm, 6 VDC		49,00	52,55
STAR405F20, 405 nm , 20 mW, 0.3 mrad, <1 kHz, Ø16 x 60 mm, 6 VDC		55,00	58,99
VIOLET LASER DIODE MODULES, RLD series, FOCUSABLE		EUR	USD
	<p>violet laser diode module - APC (automatic power control) - low divergence - focusable glass lens - 1..100 mW 405 nm</p>		
		1-9 pcs.	1-9 pcs.
RLDD405-1-3, 405 nm , 1mW, 0.5 mrad, focusable, Ø14 x 45 mm, 3 VDC, <70 mA		52,00	55,77
RLDE405-12-6, 405 nm , 12 mW, 0.6 mrad, focusable, Ø22 x 65 mm, 6 VDC, <70 mA		98,00	105,10
VIOLET LASER DIODE MODULES, RLDE405 M series, FOCUSABLE + MODULABLE		EUR	USD
	<p>high quality violet laser diode module - ACC (automatic current control) - low divergence 0.6 mrad, focusable glass lens - 1..100 mW - modulable up to 20 kHz TTL 405 nm</p>		
		1-9 pcs.	1-9 pcs.
RLDE405M-20-5, 405 nm , 20 mW, TTL <20 kHz, focusable, Ø16 x 50 mm, 5 VDC		138,00	148,00
RLDE405M-50-5, 405 nm , 50 mW, TTL <20 kHz, focusable, Ø22 x 65 mm, 5 VDC		149,00	159,80
RLDE405M-100-5, 405 nm , 100 mW, TTL <20 kHz, focusable, Ø22 x 65 mm, 5 VDC		160,00	171,60
VIOLET LASER DIODE MODULES, RLTPGL series		EUR	USD
	<p>violet laser diode module based on GaN laser diodes 405 nm</p>		
		1-9 pcs.	1-9 pcs.



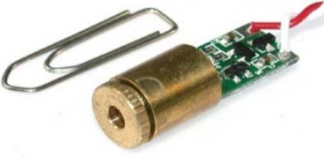


RLTPGL-405-10, 405 nm , 10 mW, 0.6 mrad, Ø15 x 50 mm, 6 VDC, typ. 50 mA	335,00	359,28
LASER MODULES - BLUE		
BLUE LASER DIODE MODULES, CW450 series	EUR	USD
 <p>small size, high quality blue laser diode module - APC (automatic power control) - < 1 mW or < 5 mW - fixfocus - wide input voltage range (2-5VDC)</p> <p style="text-align: center;">450 nm</p>	1-9 pcs.	1-9 pcs.
CW450-01, 450 nm , 1 mW, automatic power control, Ø12 x 21 (44) mm, 2-5 VDC	68,08	73,01
CW450-05, 450 nm , 5 mW, automatic power control, Ø12 x 21 (44) mm, 2-5 VDC	68,08	73,01
BLUE LASER DIODE MODULES, CW450 FM series, FOCUSABLE + MODULATION	EUR	USD
 <p>small size, high quality blue laser diode module - APC (automatic power control) - <1 mW - focusable (square beam) - modulation input, up to 1 kHz - wide input voltage range (2-5VDC)</p>	1-9 pcs.	1-9 pcs.
CW450-01FM, 450 nm , 1 mW, APC, focusable, modulation, Ø13 x 29 (54) mm, 2-5 VDC	82,00	87,94
BLUE LASER DIODE MODULES, STAR450 series, MODULABLE	EUR	USD
 <p>high quality blue laser diode module - ACC (automatic current control) - focusable glass lens - 1..20 mW - modulable up to 1 kHz TTL</p> <p style="text-align: center;">450 nm</p>	1-9 pcs.	1-9 pcs.
STAR450F5, 450 nm , 5 mW, 0.3 mrad, <500 kHz, Ø16 x 60 mm, 6 VDC	122,00	138,01
STAR450F10, 450 nm , 10 mW, 0.3 mrad, <1 kHz, Ø16 x 60 mm, 6 VDC	166,00	178,03
STAR450F20, 450 nm , 20 mW, 0.3 mrad, <1 kHz, Ø16 x 60 mm, 6 VDC	179,00	191,97
BLUE LASER DIODE MODULES, RLDD450 series, FOCUSABLE	EUR	USD
 <p>high quality blue laser diode module - ACC (automatic current control) - focusable glass lens - 1..40 mW</p> <p style="text-align: center;">450 nm</p>	1-9 pcs.	1-9 pcs.
RLDD450-40-5, 450 nm , 40 mW, 0.5 mrad, focusable, Ø14 x 45 mm, 5 VDC, <170 mA	128,00	137,28
BLUE DPSS LASER MODULES, CW473 series	EUR	USD
 <p>small size, high quality, solid state cw blue laser modules, featuring external 3 VDC driver circuit</p> <p style="text-align: center;">cooling necessary!</p> <p style="text-align: center;">473 nm</p>	1-3 pcs.	1-3 pcs.
CW473-1, 473 nm , 1 mW, 15 mrad, cw, Ø26 x 56 mm, 3.0 VDC	571,43	612,85
CW473-5, 473 nm , 5 mW, 15 mrad, cw, Ø26 x 56 mm, 3.0 VDC	523,81	561,78
CW473-10, 473 nm , 10 mW, 15 mrad, cw, Ø26 x 56 mm, 3.0 VDC	607,14	651,15
CW473-20, 473 nm , 20 mW, 15 mrad, cw, Ø26 x 56 mm, 3.0 VDC	642,86	689,45
CW473-50, 473 nm , 50 mW, 15 mrad, cw, Ø26 x 56 mm, 3.0 VDC	797,33	855,12
BLUE LASER DIODE MODULES, LDM-488 series, MODULATION	EUR	USD

 <p>488 nm laser diode module with TEC and TTL or analog modulation, 85-260 VAC power supply included</p> <p>488 nm</p>		
LDM-488-10-TEC-M, 488 nm , 10 mW cw, stability <5%, laser head 91x52x33 mm	1-3 pcs. 6.414,00	1-3 pcs. 6.878,89
LASER MODULES - GREEN		
GREEN LASER DIODE MODULES, CW520 series, DIRECT EMITTING LASER DIODE		
 <p>small size, high quality green laser diode module - APC (automatic power control) - 1 and 5 mW available - fixfocus - wide input voltage range (3-5VDC)</p> <p>515 nm</p>		
CW520-01, 515 nm , 1 mW, CW, automatic power control, Ø12 x 18 (36) mm, 3-5 VDC	1-9 pcs. 44,90	1-9 pcs. 48,15
CW520-05, 515 nm , 5 mW, CW, automatic power control, Ø12 x 18 (36) mm, 3-5 VDC	49,90	53,52
GREEN LASER DIODE MODULES, RFD520 series, DIRECT EMITTING LASER DIODE		
 <p>DIRECT EMITTING green diode laser modules - glass lens, fixed focus - QCW operation - ACC (automatic current control) - Wide operating temperature (-10 ..+60°C) - Low operating current</p>		
RFD520-1-3, 520 nm , 1 mW, ACC, 0.6 mrad, qcw, Ø8 x 36mm, 3VDC, 35 mA	1-3 pcs. 95,55	1-3 pcs. 102,48
RFD520-12-5, 520 nm , 12 mW, ACC, 0.6 mrad, qcw, Ø8 x 36mm, 5VDC, 115 mA	143,30	153,69
GREEN LASER DIODE MODULES, RLCW520 series, DIRECT EMITTING LASER DIODE		
 <p>DIRECT EMITTING green diode laser modules - glass lens, fixed focus - CW operation - APC (automatic power control) - wide operating temperature (-10..+60°C)</p> <p>520 nm</p>		
RLCW520-5-5, 520 nm , 5 mW, APC, 0.8 mrad, fixed focus, Ø8 x 35 mm, 5 VDC, 120 mA	1-9 pcs. 165,00	1-9 pcs. 176,96
RLCW520-12-5, 520 nm , 12 mW, APC, 0.8 mrad, fixed focus, Ø8 x 35 mm, 5 VDC, 250 mA	182,00	195,19
GREEN LASER DIODE MODULES, RLCW520M series, DIRECT EMITTING + MODULATION		
 <p>DIRECT EMITTING green diode laser modules - glass lens, fixed focus - CW operation, modulation up to 10 kHz TTL - APC (automatic power control) - wide operating temperature (-10..+60°C)</p> <p>520 nm</p>		
RLCW520M-5-5, 520 nm , 5 mW, APC, TTL <10 kHz, fixed focus, Ø8 x 35 mm, 5 VDC, 120 mA	1-9 pcs. 182,42	1-9 pcs. 195,64
GREEN LASER DIODE MODULES, RLCW520F series, DIRECT EMITTING + FOCUSABLE		
 <p>DIRECT EMITTING green diode laser modules - focusable glass lens - CW operation - APC (automatic power control) - wide operating temperature (-10..+60°C)</p> <p>520 nm</p>		
RLCW520F-9-5, 520 nm , 9 mW, APC, 0.8 mrad, focusable, Ø16 x 65 mm, 5 VDC, 100 mA	1-9 pcs. 182,00	1-9 pcs. 195,19
GREEN DPSS LASER MODULES, CW532 831 series		






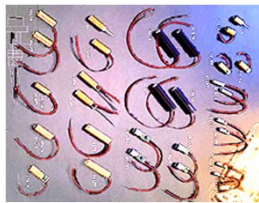
	<p>small, high quality auto power control solid state cw green laser modules cooling necessary!</p> <p>532 nm</p>		
		1-3 pcs.	1-3 pcs.
CW532-1-831, 532 nm , <1 mW, APC, 1.2 mrad, cw, Ø8 x 31 (49) mm, 3.0 VDC		36,20	38,82
CW532-5-831, 532 nm , <5 mW, APC, 1.2 mrad, cw, Ø8 x 31 (49) mm, 3.0 VDC		36,20	38,82
GREEN DPSS LASER MODULES, CW532 series		EUR	USD
	<p>low cost, high quality small size solid state cw green laser modules --> heat sink available --> power supply available</p> <p>532 nm</p>		
		1-3 pcs.	1-3 pcs.
CW532-001, 532 nm , <1 mW, APC, 0.6 mrad, cw, Ø12 x 31 (49) mm, 3.0 VDC, ~140 mA		37,20	39,90
CW532-005, 532 nm , <5 mW, APC, 0.6 mrad, cw, Ø12 x 31 (49) mm, 3.0 VDC, ~140 mA		40,20	43,11
CW532-010, 532 nm , 10 mW, APC, 0.8 mrad, cw, Ø12 x 31 (49) mm, 3.0 VDC, ~200 mA		56,20	60,27
CW532-020, 532 nm , 20 mW, APC, 0.8 mrad, cw, Ø12 x 31 (49) mm, 3.0 VDC, ~250 mA		69,00	74,00
CW532-030, 532 nm , 30 mW, APC, 0.8 mrad, cw, Ø12 x 35 (53) mm, 3.0 VDC, ~350 mA		93,20	99,96
CW532-050, 532 nm , 50 mW, APC, 0.8 mrad, cw, Ø12 x 35 (53) mm, 3.0 VDC, ~600 mA		100,20	107,46
CW532-100, 532 nm , 100 mW, ACC, 1.2 mrad, cw, Ø12 x 31 (49) mm, 3.0 VDC, ~650 mA		200,20	214,71
GREEN DPSS LASER MODULES, CW532 HT series, HIGH TEMPERATURE		EUR	USD
	<p>wide temperature range (10 - 50 °C), small size, green DPSS laser modules, APC cooling necessary!</p> <p>532 nm</p>		
		1-3 pcs.	1-3 pcs.
CW532HT-1, 532 nm , 0.5-0.99 mW, APC, 10-50°C , 1.2 mrad, cw, Ø12 x 31.3 (47.3) mm, 3 VDC		125,20	134,27
CW532HT-5, 532 nm , 3-5 mW, APC, 10-50°C , 1.2 mrad, cw, Ø12 x 31.3 (47.3) mm, 3 VDC		144,20	154,65
LAS532-WT50-3, 532 nm , 3.25 mW, APC, -10-50°C , 1.7 mrad, cw, Ø12 x 35mm, 3 VDC		102,00	109,39
GREEN DPSS LASER MODULES, CW532 F series, FOCUSABLE		EUR	USD
	<p>focusable solid state auto power control cw green laser modules cooling necessary!</p> <p>532 nm</p>		
		1-3 pcs.	1-3 pcs.
CW532-001F, 532 nm , <1 mW, APC, focusable, Ø13 x 37 (55) mm, 3.0 VDC, 150 mA		43,70	46,87
CW532-005F, 532 nm , <5 mW, APC, focusable, Ø13 x 37 (55) mm, 3.0 VDC, 200 mA		43,70	46,87
CW532-010F, 532 nm , 10 mW, APC, focusable, Ø13 x 37 (55) mm, 3.0 VDC, 200 mA		53,70	57,59
CW532-020F, 532 nm , 20 mW, APC, focusable, Ø13 x 37(55) mm, 3.0 VDC, 250 mA		67,20	72,07
CW532-050F, 532 nm , 50 mW, APC, focusable, Ø13 x 37 (55) mm, 3.0 VDC, 600 mA		100,40	107,68
CW532-100F, 532 nm , 100 mW, ACC, focusable, Ø13 x 37(55) mm, 3.0 VDC, 650 mA		197,20	211,49
GREEN DPSS LASER MODULES, CW532 FM series, FOCUSABLE + MODULATION		EUR	USD
	<p>small size, high quality blue laser diode module - APC (automatic power control) - <1 mW - focusable (square beam) - modulation input, up to 100 Hz - wide input voltage range (2-5VDC)</p>		
		1-3 pcs.	1-3 pcs.
CW532-001FM, 532 nm , <1 mW, APC, focusable, modulation Ø13 x 37 (55) mm, 3.0 VDC		52,00	55,77
GREEN DPSS LASER MODULES, RLDD532 series		EUR	USD

	<p>small size diode pumped solid state green laser modules, ready to use, auto power control, size: 16 x 60 mm supply voltage: 3.0 VDC</p> <p>532 nm</p>	1-3 pcs.	1-3 pcs.
RLDD532-1-3, 532 nm , 1 mW, APC, 0.5 mrad, cw, Ø16 x 60 mm, 3.0 VDC, laser class II		106,15	113,84
RLDD532-3-3, 532 nm , 3 mW, APC, 0.5 mrad, cw, Ø16 x 60 mm, 3.0 VDC		80,77	86,62
RLDD532-5-3, 532 nm , 5 mW, APC, 0.5 mrad, cw, Ø16 x 60 mm, 3.0 VDC		90,77	97,35
RLDD532-10-3, 532 nm , 10 mW, APC, 0.5 mrad, cw, Ø20 x 80 mm, 3.0 VDC		122,31	131,18
RLDD532-50-3, 532 nm , 50 mW, APC, 0.5 mrad, cw, Ø42 x 80mm, 3.0 VDC		313,00	335,69
GREEN DPSS LASER MODULES, CW532 04 series, MODULATION		EUR	USD
	<p>diode pumped solid state green laser modules, ready to use, auto power control, external driver unit, CW and modulation, laser head: 34 x 50 x 50 mm supply voltage: 9.0 VDC</p> <p>532 nm</p>	1-3 pcs.	1-3 pcs.
CW532-04-1, 532 nm , <1 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC		199,00	213,42
CW532-04-5, 532 nm , <5 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC		219,00	234,87
CW532-04-10, 532 nm , <10 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC		229,00	245,60
CW532-04-20, 532 nm , <20 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC		318,00	341,05
CW532-04-30, 532 nm , >30 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC		365,00	391,46
CW532-04-50, 532 nm , >50 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC		449,00	481,54
CW532-04-100, 532 nm , >100 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC		629,00	674,59
GREEN DPSS LASER MODULES, GLML3C1 series, MODULATION		EUR	USD
	<p>diode pumped solid state green laser modules, ready to use, auto power control, external driver unit, CW and modulation supply voltage: 9.0 VDC</p> <p>532 nm</p>	1-3 pcs.	1-3 pcs.
GLML3C1-50, 532 nm , >50 mW, cw+modulable, case, BNC, 9 VDC		825,00	884,80
GREEN DPSS LASER MODULES, MGM2 series, MODULATION		EUR	USD
	<p>diode pumped solid state green laser modules, ready to use, auto power control, external driver unit, CW and modulation supply voltage: 6.0 VDC</p> <p>532 nm</p>	1-3 pcs.	1-3 pcs.
MGM2-01, 532 nm , 1..3 mW, cw, <1.4 mrad, M ² <2.0, beam diameter <1 mm, 4-6 VDC		390,00	418,27
LASER MODULES - GREEN LINE			
GREEN LINE LASER MODULES, RLCW520FL series, DIRECT EMITTING + FOCUSABLE		EUR	USD
	<p>DIRECT EMITTING green line laser modules - APC (automatic power control) - 90° line, cylinder lens - focusable glass lens - wide operating temperature (-10..+60°C)</p> <p>520 nm</p>	1-9 pcs.	1-9 pcs.
RLCW520FL-5-5, 520 nm , 5 mW, line, 0.4 mrad, focusable, Ø16 x 65 mm, 5 VDC, 150 mA		182,00	195,19
GREEN LINE DPSS LASER MODULES, CW532 833L series		EUR	USD
	<p>60° green line generator, high quality, small size solid state cw green laser modules cooling necessary!</p> <p>532 nm</p>	1-3 pcs.	1-3 pcs.

CW532-1-833L, 532 nm , <1 mW, APC, 60° line, cw, Ø8 x 35 (53) mm, 3.0 VDC, 150 mA	41,10	44,08
CW532-5-833L, 532 nm , <5 mW, APC, 60° line, cw, Ø8 x 35 (53) mm, 3.0 VDC, 200 mA	41,10	44,08
GREEN LINE DPSS LASER MODULES, CW532 L series	EUR	USD
 <p>60° green line generator, small size solid state cw green laser modules cooling necessary! --> heat sink available</p> <p>532 nm</p>	1-3 pcs.	1-3 pcs.
CW532-001L, 532 nm , <1 mW, APC, 60° line, cw, Ø12 x 35 (51) mm, 3.0 VDC	41,00	43,97
CW532-005L, 532 nm , <5 mW, APC, 60° line, cw, Ø12 x 35 (51) mm, 3.0 VDC	44,30	47,51
CW532-010L, 532 nm , <10 mW, APC, 60° line, cw, Ø12 x 35 (51) mm, 3.0 VDC	60,60	64,99
CW532-020L, 532 nm , <20 mW, APC, 60° line, cw, Ø12 x 35 (51) mm, 3.0 VDC	73,80	79,15
CW532-030L, 532 nm , 30 mW, APC, 60° line, cw, Ø12 x 35 (51) mm, 3.0 VDC	97,20	104,25
CW532-050L, 532 nm , 50 mW, APC, 60° line, cw, Ø12 x 35 (51) mm, 3.0 VDC	104,70	112,29
CW532-100L, 532 nm , 100 mW, ACC, 60° line, cw, Ø12 x 35 (51) mm, 3.0 VDC	204,70	219,54
GREEN LINE DPSS LASER MODULES, RLLD532 series	EUR	USD
 <p>90° green line generator, high quality, auto power control, small size solid state cw</p> <p>532 nm</p>	1-3 pcs.	1-3 pcs.
RLLD532-5-3, 532 nm , <5 mW, APC, 90° line, cw, Ø14 x 60 mm, 3.0 VDC, <300 mA	78,00	83,65
LASER MODULES - GREEN CROSS LINE		
GREEN CROSS LINE LASER DIODE MODULES, RLCW520C series, DIRECT EMITTING	EUR	USD
 <p>DIRECT EMITTING green cross line laser modules - APC (automatic power control) - 90° cross line, cylinder lenses - fixed focus - wide operating temperature (-10..+60°C)</p> <p>520 nm</p>	1-9 pcs.	1-9 pcs.
RLCW520C-5-5, 520 nm , 4.5-5.5 mW, cross line, fixed focus, Ø20 x 80 mm, 5 VDC, 80 mA	182,00	195,19
GREEN CROSS LINE DPSS LASER MODULES, RLCA532 series	EUR	USD
 <p>green cross line generator, high quality, auto power control, small size solid state cw</p> <p>532 nm</p>	1-3 pcs.	1-3 pcs.
RLCA532-5-3, 532 nm , <5 mW, APC, cross line, cw, Ø20 x 95 mm, 3.0 VDC, <300 mA	91,00	97,60
HEAT SINKS FOR CW532 MODULES		
	EUR	USD
 <p>heat sink 50 x 50 x 34 mm for CW532 series and other 12 mm diameter laser modules</p>	1-9 pcs.	1-9 pcs.
Heat Sink SQ50x34, for CW532, black aluminium, 50 x 50 x 34 mm, 114 g	18,90	20,27
LASER MODULES - RED		
LOW COST LASER DIODE MODULES	EUR	USD

 <p>LDM635-03-05x25 low cost laser diode module for general purposes, 635 nm, < 3 mW</p>		
	1-99 pcs.	1-99 pcs.
LDM635-03-08x25, 635 nm, <3 mW, fixfocus, Ø8 x 25 mm, 3.0 VDC	8,10	10,73
LM series	EUR	USD
 <p>LM-0x low cost laser diode module series for general purposes, 650 nm, typ. < 3 mW PHASE OUT!</p>		
	1-99 pcs.	1-99 pcs.
LM-01, 650 nm, <3 mW, dot, fixfocus, Ø8 x 29.5 mm, 3.0 VDC	3,50	3,75
LM-02, 650 nm, <3 mW, dot, fixfocus, Ø12 x 30.5 mm, 3.0 VDC	3,50	3,75
 <p>low cost red laser module series, for general purpose input voltage 3-5 VDC, Po <1 mW, 9 x 26 mm Laser class II 650 nm</p>		
	1-99 pcs.	1-99 pcs.
LM-101-A16, 650 nm, <1 mW, fixfocus, Laser Class II, Ø9 x 26 mm, 3-5 VDC	8,48	9,09
LM-101-A16F, 650 nm, <1 mW, focusable, Laser Class II, Ø9 x 26 mm, 3-5 VDC	8,48	9,09
 <p>low cost red laser module series, for general purpose power typ <1 mW or <5 mW, custom design on request 635, 650 nm</p>		
	1-99 pcs.	1-99 pcs.
LM-101-C4, 635 nm, <1 mW, TUV, Ø8 x 24 mm, 3.0 VDC	6,35	6,81
LM-103-C004, 635 nm, <5 mW, FDA, Ø8 x 24 mm, 3.0 VDC	6,35	6,81
LM-101-A4, 650 nm, <1 mW, TUV, Ø8 x 24 mm, 3.0 VDC	4,98	5,34
LM-102-B004, 650 nm, <5 mW, FDA, Ø8 x 24 mm, 3.0 VDC	4,98	5,34
 <p>low cost laser diode module for general purposes, visible wavelength 650 nm</p>		
	1-99 pcs.	1-99 pcs.
DT650-2.5-3, 650 nm, 3 mW, Ø10.5 x 28 mm, focusable, 3.0 VDC	6,89	7,39
 <p>low cost red laser diode module series, for general purposes, visible wavelength 635 nm and 650 nm, power typ. <1 mW or <3 mW, custom design on request PHASE OUT!</p>		
	1-99 pcs.	1-99 pcs.
RLM-650-A-1, 650 nm, 1-2 mW, Ø10 x 26.5 mm, 3.0-4.5 VDC	5,83	6,25
RLM-635-A-3, 635 nm, typ. 3..5 mW, Ø10 x 26.5 mm, 3.0-4.5 VDC	13,78	14,78
RLM-635-B-3, 635 nm, typ. 3..5 mW, Ø8 x 23.5 mm, 3.0-4.5 VDC	13,78	14,78
RLM-635-B-1, 635 nm, <1 mW, Ø8 x 23.5 mm, 3.0-4.5 VDC	13,78	14,78
LJ series	EUR	USD

	<p>LJ series laser diode module, diverse wavelenths available, complete and ready to use, focusable single element aspheric acrylic collimator optic</p> <p>635, 650 nm</p>		
		1-9 pcs.	1-9 pcs.
LDM635/1LJ, 635 nm , 1 mW, focusable, 3-5 V, Ø12 x 30.5 mm		29,60	31,75
LDM635/3LJ, 635 nm , 3 mW, focusable, 3-5 V, Ø12 x 30.5 mm		29,60	31,75
LDM635/5LJ, 635 nm , 5 mW, focusable, 3-5 V, Ø12 x 30.5 mm		34,00	36,46
LDM650/1LJ, 650 nm , 1 mW, focusable, 3-5 V, Ø12 x 30.5 mm		26,80	28,74
LDM650/3LJ, 650 nm , 3 mW, focusable, 3-5 V, Ø12 x 30.5 mm		15,50	16,62
LDM650/5LJ, 650 nm , 5 mW, focusable, 3-5 V, Ø12 x 30.5 mm		17,50	18,77
LJM series (modulable DC..100 kHz)		EUR	USD
	<p>LJM series laser diode module, complete and ready to use, focusable acrylic collimator optic with modulation DC to 300 kHz, analog and digital</p> <p>635, 650 nm</p>		
		1-9 pcs.	1-9 pcs.
LDM635/1LJM, 635 nm , 1 mW, focusable, 3-5 V, Ø12 x 30.5 mm		28,00	30,03
LDM635/5LJM, 635 nm , 5 mW, focusable, 3-5 V, Ø12 x 30.5 mm		29,40	31,53
LDM650/1LJM, 650 nm , 1 mW, focusable, 3-5 V, Ø12 x 30.5 mm		21,00	22,52
LDM650/5LJM, 650 nm , 5 mW, focusable, 3-5 V, Ø12 x 30.5 mm		19,00	20,38
LT series		EUR	USD
	<p>LT series laser diode module, diverse wavelenths available, complete and ready to use, focusable 3-lens glass collimator, excellent beam quality</p> <p>635, 650, 850, 980 nm</p>		
		1-9 pcs.	1-9 pcs.
LDM635/1LT, 635 nm , 1 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		39,40	42,26
LDM635/1LTF, 635 nm , 1 mW, fixfocus, glass lens, 4-6V, Ø13 x 52 mm		31,00	33,25
LDM635/3LT, 635 nm , 3 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		32,40	34,75
LDM635/5LT, 635 nm , 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		44,40	47,62
LDM650/1LT, 650 nm , 1 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		31,30	33,57
LDM650/3LT, 650 nm , 3 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		31,30	33,57
LDM650/5LT, 650 nm , 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		35,00	37,54
LTM series (modulable DC..100 kHz)		EUR	USD
	<p>LTM series laser diode module, complete and ready to use, focusable 3-lens glass collimator, modulation DC .. 300 kHz, analog and digital, excellent beam quality</p> <p>635, 650 nm</p>		
		1-9 pcs.	1-9 pcs.
LDM635/5LTM, 635 nm , 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		60,00	64,35
LDM650/5LTM, 650 nm , 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		40,00	42,90
RLDC MICRO series		EUR	USD
	<p>very small size 8 x 27.5 mm</p> <ul style="list-style-type: none"> - focusable glass collimator - power supply 3 VDC <p>635, 650, 670 nm</p>		
		1-9 pcs.	1-9 pcs.
RLDC635-2.2-3, 635 nm , typ. 2.5 mW, focusable, Ø8 x 25.0 mm, 3 VDC		19,99	21,44
RLDC650-2.2-3, 650 nm , typ. 2 mW, focusable, Ø8 x 25.0 mm, 3 VDC		16,00	17,16
RLDC670-2.2-3, 670 nm , typ. 2 mW, focusable, Ø8 x 25 mm, 3 VDC		16,00	17,16
RLDG ULTRA SMALL SIZE series		EUR	USD

	red diode laser module metal housing, fixfocus acrylic lens, integrated APC laser diode driver IC Ø 7.0 mm 650 nm		
RLDG650-1-3, 650 nm , 1 mW, APC, 0.8 mrad, fixed focus, Ø7 x 14 mm, 3 VDC, 50 mA		1-9 pcs.	1-9 pcs.
APCD 01 ULTRA SMALL SIZE series		EUR	USD
	red diode laser module metal housing, fixfocus acrylic lens, integrated APC laser diode driver IC Ø 4.0 mm 650 nm		
APCD-650-01-C2, 650 nm , <1 mW, I _{op} <35 mA, fixfocus, Ø4.0 x 9.1 mm, laser class II		1-9 pcs.	1-9 pcs.
APCD-650-01-C3, 650 nm , <3 mW, I _{op} <35 mA, fixfocus, Ø4.0 x 9.1 mm		7,99	8,57
APCD 02 ULTRA SMALL SIZE series		EUR	USD
	red diode laser module metal housing, focussable acrylic lens, integrated APC laser diode driver IC Ø 6.2 mm 635, 650 nm		
APCD-635-02-C2, 635 nm , <1 mW, focusable, Ø6.2 x 11 mm, laser class II		1-9 pcs.	1-9 pcs.
APCD-635-02-C3, 635 nm , <3 mW, focusable, Ø6.2 x 11 mm		12,90	13,83
APCD-650-02-C2, 650 nm , <1 mW, focusable, Ø6.2 x 11 mm, laser class II		12,90	13,83
APCD-650-02-C3, 650 nm , <3 mW, focusable, Ø6.2 x 11 mm		5,99	6,42
APCD 06 ULTRA SMALL SIZE series		EUR	USD
	red diode laser module acryl housing with embedded lens integrated APC laser diode driver IC Ø 6.5 mm 650 nm		
APCD-650-06-C2, 650 nm , <1 mW, I _{op} <35 mA, fixfocus, Ø6.5 x 9.0 mm, laser class II		1-9 pcs.	1-9 pcs.
APCD-650-06-C3, 650 nm , <3 mW, I _{op} <35 mA, fixfocus, Ø6.5 x 9.0 mm		6,10	6,54
APCD 07 ULTRA SMALL SIZE series		EUR	USD
	SMALLEST SIZE red diode laser module metal housing, fixfocus acrylic lens, integrated APC laser diode driver IC Ø 3.3 mm 650 nm		
APCD-650-07-C2, 650 nm , <1 mW, I _{op} <35 mA, fixfocus, Ø3.3 x 8.0 mm, laser class II		1-9 pcs.	1-9 pcs.
APCD-650-07-C3, 650 nm , <3 mW, I _{op} <35 mA, fixfocus, Ø3.3 x 8.0 mm		8,80	9,44
QUARTON LASER DIODE MODULES VLM series		EUR	USD
	QUARTON VLMxxx-yy-LPT: <1 mW VLMxxx-yy-LPA: <5 mW 635 - 650 nm		
VLM650-00, 650 nm , <3 mW, fixfocus, Ø10.52 x 17.20 mm, w/o driver board		1-9 pcs.	1-9 pcs.
VLM650-01-LPA, 650 nm , <5 mW, fixfocus, Ø10.4 x 18.5 mm		25,40	27,24
VLM650-02-LPA, 650 nm , <5 mW, fixfocus, Ø10.5 x 17.2 mm		27,20	29,17
VLM650-03-LPT, 650 nm , <1 mW, fixfocus, Ø7.0 x 22.5 mm		27,20	29,17
VLM650-04-LPT, 650 nm , <1 mW, fixfocus, Ø6.55 x 12.10 mm		13,50	14,48
VLM650-06-LPA, 650 nm , <5 mW, fixfocus, Ø12.5 x 53.0 mm		13,30	14,26
		60,00	64,35

VLM650-07-LPA, 650 nm , <5 mW, fixfocus, Ø12.5 x 53.0 mm	61,00	65,42
VLM650-08-LPA, 650 nm , <5 mW, fixfocus, Ø10.51 x 24.6 mm	17,50	18,77
VLM650-09-LPA, 650 nm , <5 mW, fixfocus, Ø10.51 x 31.0 mm	17,50	18,77
VLM650-11-LPT, 650 nm , <1 mW, fixfocus, Ø10.52 x 30.00 mm	26,30	28,21
VLM650-11-LPA, 650 nm , <5 mW, fixfocus, Ø10.52 x 30.00 mm	26,30	28,21
VLM650-14-LPA, 650 nm , <5 mW, fixfocus, Ø12.00 x 43.0 mm	43,75	46,92
VLM650-15-LPA, 650 nm , <5 mW, fixfocus, Ø12.00 x 30.0 mm	43,75	46,92
VLM650-16-LPT, 650 nm , <1 mW, fixfocus, Ø8.50 x 24.5 mm	27,00	28,96
VLM650-16-LPA, 650 nm , <5 mW, fixfocus, Ø8.50 x 24.5 mm	27,00	28,96
VLM650-17-LPT, 650 nm , <1 mW, fixfocus, Ø12.00 x 30.0 mm	28,80	30,89
VLM650-17-LPA, 650 nm , <5 mW, fixfocus, Ø12.00 x 30.0 mm	28,80	30,89

MICRO LASER DIODE MODULES LDM-1x series	EUR	USD
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Micro laser diode module series
- PCB mountable
- focussable (**100µm spotsize**)
- divergence < 1 mrad
670 nm

1-9 pcs.

1-9 pcs.

LDM-1A, 670 nm , <1 mW, FDA, 13 x 13 x 10 mm ³ , 3-6 VDC	162,00	173,74
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RLD HIGH POWER series	EUR	USD
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RLDxxxx red diode module series -
single mode, focussable glass lens
- **up to 70mW**

655 - 660 nm

1-9 pcs.

1-9 pcs.

RLDG650-13-3, 655 nm , 13 mW, sm, Ø14 x 45 mm, focusable, 3 VDC	26,00	27,88
RLDH650-24-3, 655 nm , 24 mW, sm, Ø14 x 45 mm, focusable, 3 VDC	74,00	79,36
RLDH660-40-3, 660 nm , 40 mW, sm, Ø16 x 50 mm, focusable, 3 VDC	126,00	135,13
RLDH660-70-3, 660 nm , 70 mW, sm, Ø22 x 65 mm, focusable, 3 VDC	138,00	148,00

RLDH LASER DIODE MODULES, M SERIES, CW+ MODULABLE	EUR	USD
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RLDH red diode module, M series
- single mode
- focussable glass lens
- modulation up to 500 kHz TTL
- **up to 40mW**

635 - 650 nm

1-9 pcs.

1-9 pcs.

RLDH635M-4-5, 635 nm , 4 mW, APC, TTL <500 kHz, focusable, Ø12 x 34 mm, 5 VDC	31,00	33,25
RLDH650M-4-5, 650 nm , 4 mW, APC, TTL <500 kHz, focusable, Ø12 x 34 mm, 5 VDC	26,50	28,42
RLDH650M-24-5, 650 nm , 24 mW, ACC, TTL <200 kHz, focusable, Ø14 x 45 mm, 5 VDC	75,00	80,44
RLDH650M-40-5, 650 nm , 40 mW, ACC, TTL <50 kHz, focusable, Ø16 x 50 mm, 5 VDC	118,00	126,55

LASER MODULES - RED BEAM EXPANDER

RLE Beam Expander series	EUR	USD
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expanded beam laser diode module series
for extreme target distances


635, 650 nm

1-9 pcs.

1-9 pcs.


RLE635-1-3-8, 635 nm , 1 mW, Ø8 mm beam aperture, sm, 3 VDC, round beam	76,00	81,51
RLE635-2-3-8, 635 nm , 2 mW, Ø8 mm beam aperture, sm, 3 VDC, round beam	93,00	99,74
RLE635-2-3-20, 635 nm , 2 mW, Ø20 mm beam aperture, sm, 3 VDC, round beam	112,00	120,12
RLE650-1-3-8, 650 nm , 1 mW, Ø8 mm beam aperture, sm, 3 VDC, square beam	64,00	68,64
RLE650-8-3-20, 650 nm , 8 mW, Ø20 mm beam aperture, sm, 3 VDC, square beam	134,00	143,71
RLE650-8-5-30, 650 nm , 8 mW, Ø30 mm beam aperture, sm, 5 VDC, square beam	169,00	181,25

LASER MODULES - RED LINE


LM series	EUR	USD
 <p>low cost, red line laser module, for general purpose. Input voltage 3-5 VDC , Po <1 mW, 60° acrylic line generating lens, 9 x 30 mm Laser class II</p>	1-99 pcs.	1-99 pcs.
LM-101-A102, 650 nm , <1 mW, line , Laser Class II, Ø9 x 30 mm, 3-5 VDC	8,48	9,09
RLL series	EUR	USD
 <p>high power line laser module uses cylindrical glass lens</p>	1-9 pcs.	1-9 pcs.
RLLI635-2.5-3, 635 nm , 2.5 mW, typ. 100° line, Ø8 x 25.5 mm, 3 VDC	28,00	30,03
RLLH635-4-3, 635 nm , 4 mW, typ. 100° line, Ø12 x 32 mm, 3 VDC	40,00	42,90
RLLH650-16-3, 650 nm , 16 mW, typ. 100° line, Ø14 x 45 mm, 3 VDC	83,00	89,02
RLLH650-24-3, 650 nm , 24 mW, typ. 100° line, Ø14 x 49 mm, 3 VDC	146,00	156,58
LASER MODULES - RED CROSS LINE		
RLCB series	EUR	USD
 <p>cross line laser module uses two 90° twisted cylindrical glass lenses APC (automatic power control)</p>	1-9 pcs.	1-9 pcs.
RLCB635-2.5-3, 635 nm , 2.5 mW, cross line, fixed focus, Ø16 x 45 mm, 3 VDC	40,00	42,90
RLCB635-5-5, 635 nm , 5 mW, cross line, fixed focus, Ø16 x 45 mm, 5 VDC	49,00	52,55
LASER MODULES - IR		
APCD 01 ULTRA SMALL SIZE series	EUR	USD
 <p>red diode laser module metal housing, fixfocus acrylic lens integrated APC laser diode driver IC Ø 4.0 mm 780, 850 nm</p>	1-9 pcs.	1-9 pcs.
APCD-780-01-C2, 780 nm , <1 mW, Iop <35 mA, fixfocus, Ø4.0 x 9.1 mm	17,50	18,77
APCD-780-01-C3, 780 nm , <3 mW, Iop <35 mA, fixfocus, Ø4.0 x 9.1 mm	17,50	18,77
APCD-850-01-C2, 850 nm , <1 mW, Iop <40 mA, fixfocus, Ø4.0 x 9.1 mm	39,90	42,79
APCD-850-01-C3, 850 nm , <3 mW, Iop <40 mA, fixfocus, Ø4.0 x 9.1 mm	39,90	42,79
APCD 06 ULTRA SMALL SIZE series	EUR	USD
 <p>red diode laser module acryl housing with embedded lens integrated APC laser diode driver IC Ø 6.5 mm 780, 850 nm</p>	1-9 pcs.	1-9 pcs.
APCD-780-06-C2, 780 nm , <1 mW, Iop <35 mA, fixfocus, Ø6.5 x 9.0 mm	15,00	16,09
APCD-780-06-C3, 780 nm , <3 mW, Iop <35 mA, fixfocus, Ø6.5 x 9.0 mm	15,00	16,09
APCD-850-06-C2, 850 nm , <1 mW, Iop <40 mA, fixfocus, Ø6.5 x 9.0 mm	29,90	32,07
APCD-850-06-C3, 850 nm , <3 mW, Iop <40 mA, fixfocus, Ø6.5 x 9.0 mm	29,90	32,07
APCD 01 ULTRA SMALL SIZE series	EUR	USD

 <p>SMALLEST SIZE red diode laser module metal housing, fixfocus acrylic lens integrated APC laser diode driver IC Ø 3.3 mm 780, 850 nm</p>		
	1-9 pcs.	1-9 pcs.
APCD-780-07-C2, 780 nm , <1 mW, Iop <35 mA, fixfocus, Ø3.3 x 8.0 mm	17,50	18,77
APCD-780-07-C3, 780 nm , <3 mW, Iop <35 mA, fixfocus, Ø3.3 x 8.0 mm	17,50	18,77
APCD-850-07-C2, 850 nm , <1 mW, Iop <40 mA, fixfocus, Ø3.3 x 8.0 mm	44,90	48,15
APCD-850-07-C3, 850 nm , <3 mW, Iop <40 mA, fixfocus, Ø3.3 x 8.0 mm	44,90	48,15
LJ Series	EUR	USD
 <p>LJ series laser diode module complete and ready to use, focusable single element aspheric acrylic collimator optic, diverse wavelenths available 780, 808, 850 nm</p>		
	1-9 pcs.	1-9 pcs.
LDM780/3LJ, 780 nm , 3 mW, focusable, 3-6 V, Ø12 x 30.5 mm	19,20	20,59
LDM808/3LJ, 808 nm , 3 mW, focusable, 3-6 V, Ø12 x 30.5 mm	26,70	28,64
LDM850/3LJ, 850 nm , 3 mW, focusable, 3-6 V, Ø12 x 30.5 mm	38,71	41,52
LT series	EUR	USD
 <p>LT series laser diode module, diverse wavelenths available, complete and ready to use, focusable 3- lens glass collimator, excellent beam quality 850, 980 nm</p>		
	1-9 pcs.	1-9 pcs.
LDM850/5LT, 850 nm , 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm	39,90	42,79
LDM980/25LT, 980 nm , 25 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm	46,90	50,30
LDM series	EUR	USD
 <p>LDM780-03-11x30 low cost infrared laser diode module for general purpose 780 nm</p>		
	1-99 pcs.	1-99 pcs.
LDM780-03-11x20, 780 nm , 3 mW, Ø11 x 20 mm, 3.0 VDC	7,95	8,53
LM series	EUR	USD
 <p>low cost, infrared laser diode module, focusable, output power typ. < 3 mW up to < 26 mW 830, 880, 980 nm</p>		
	1-99 pcs.	1-99 pcs.
LM-102-H002, 830 nm , <3 mW, focusable, Ø9.8 x 26 mm, 3.0 VDC	14,20	15,23
LM-102-H130, 830 nm , <15 mW, focusable, Ø9.8 x 26 mm, 3.0 VDC	24,60	26,38
LM-104-E002, 880 nm , <3 mW, focusable, Ø9.8 x 26 mm, 3.0 VDC	18,40	19,73
LM-104-E130, 880 nm , <6 mW, focusable, Ø9.8 x 26 mm, 3.0 VDC	19,90	21,34
LM-106-G130, 980 nm , <26 mW, focusable, Ø9.8 x 26 mm, 3.0 VDC	19,90	21,34
RLDC MICRO series	EUR	USD
 <p>very small size 8 x 27.5 mm - focusable glass collimator - power supply 3 VDC 850 nm</p>		
	1-9 pcs.	1-9 pcs.
RLDC850-2-3, 850 nm , typ. 2 mW, focusable, Ø8 x 27.5 mm, 3 VDC	30,00	32,17
RLD series	EUR	USD


 <p>infrared laser diode module series focussable glass lens - up to 4000 mW</p> <p>780, 808, 830, 850, 980</p>		
	1-9 pcs.	1-9 pcs.
RLDC780-2-3, 780 nm , 2-3 mW, single mode, focusable glass optic, Ø14 x 43 mm, 3 VDC	24,00	25,74
RLDB780-30-3, 780 nm , 30 mW, focusable glass optic, Ø16 x 48 mm, 3 VDC	63,00	67,57
RLDB808-7-3-FA, 808 nm , 7 mW, fixfocus, divergence 0.28 mrad, Ø14 x 45 mm, 3 VDC	n.a.	n.a.
RLDB808-120-3, 808 nm , 120 mW, focusable, Ø22 x 65 mm, 3 VDC	35,00	37,54
RLDH808-120-3, 808 nm , 120 mW, focusable, Ø22 x 65 mm, 3 VDC	39,00	41,83
RLDB808-150-3, 808 nm , 150 mW, focusable, Ø22 x 65 mm, 3 VDC	68,00	72,93
RLDB808-200-3, 808 nm , 200 mW, focusable, Ø22 x 65 mm, 3 VDC	72,00	77,22
RLDB808-300-3, 808 nm , 300 mW, focusable, Ø22 x 65 mm, 3 VDC	78,00	83,65
RLDB808-350-3, 808 nm , 350 mW, focusable, Ø22 x 65 mm, 3 VDC	82,00	87,94
RLDB808-500-5, 808 nm , 500 mW, focusable, Ø45 x 120 mm, 5 VDC	88,00	94,38
RLDH808-1200-5, 808 nm , 1.2 W, focusable, Ø45 x 100 mm, 5 VDC, 444 g	277,40	297,51
RLDH808-4000-5, 808 nm , 4.0 W, focusable, 60 x 110 mm, 5 VDC, 1.200 g	990,00	1.061,76
RLDH830-3-3, 830 nm , 3 mW, focusable, ARC glass collimator, Ø12 x 34.5 mm, 3 VDC	22,00	23,59
RLDH830-30-3, 830 nm , 30 mW, focusable, ARC glass collimator, Ø14 x 43 mm, 3 VDC	35,00	37,54
RLDH830-120-3, 830 nm , 120 mW, focusable, ARC glass collimator, Ø22 x 65 mm, 3 VDC	96,80	103,82
DT850-30-3, 850 nm , 30 mW, focusable, Ø12 x 34.5 mm, 3 VDC	78,00	83,65
RLDH850-40-3, 850 nm , 40 mW, APC, focusable, Ø22 x 65 mm, 3 VDC	96,00	102,96
RLDH980-70-3, 980 nm , 70 mW, focusable, Ø22 x 65 mm, 3 VDC	58,00	62,20
RLDB980-120-3, 980 nm , 120 mW, focusable, Ø22 x 65 mm, 3 VDC	62,00	66,49
RLDH980-120-3, 980 nm , 120 mW, focusable, Ø22 x 65 mm, 3 VDC	62,00	66,49
RLDH980-200-3, 980 nm , 200 mW, focusable, Ø22 x 65 mm, 3 VDC	68,00	72,93
RLDH LASER DIODE MODULES, M SERIES, CW+ MODULABLE	EUR	USD
 <p>RLDH infrared diode module, M series - focussable glass lens - modulation up to 10 kHz TTL - up to 350 mW</p> <p>808 - 850 nm</p>		
	1-9 pcs.	1-9 pcs.
RLDH808M-120-5, 808 nm , 120 mW, APC, TTL <5 kHz, focusable, Ø22 x 65 mm, 5 VDC	48,00	51,48
RLDH808M-350-5, 808 nm , 350 mW, APC, TTL <5 kHz, focusable, Ø22 x 65 mm, 5 VDC	74,00	79,36
RLDH850M-40-5, 850 nm , 40 mW, APC, TTL <10 kHz, focusable, Ø22 x 65 mm, 5 VDC	108,00	115,83
C2021 series	EUR	USD
 <p>infrared laser diode module series for general purposes</p> <p>980 nm</p>		
	1-9 pcs.	1-9 pcs.
C2021-B1, 980 nm , 10..20 mW, focusable, Ø10.5 x 20 mm, 3 VDC	54,54	58,49
C2021-C1, 980 nm , 20..35 mW, focusable, Ø10.5 x 20 mm, 3 VDC	66,66	71,49
C2021-E1, 980 nm , 90..120 mW, focusable, Ø14 x 43 mm, 3 VDC	129,28	138,65
CW1064 DPSS series	EUR	USD
 <p>small size, uncooled, solid state cw infrared laser modules, 3VDC</p> <p>cooling necessary! --> heat sink available</p> <p>1064 nm</p>		
	1-3 pcs.	1-3 pcs.
CW1064-01, 1064 nm , <1 mW, APC, 0.8 mrad, cw, Ø12 x 46 (65) mm, 3.0 VDC	140,20	150,36
CW1064-05, 1064 nm , <5 mW, APC, 0.8 mrad, cw, Ø12 x 46 (65) mm, 3.0 VDC	140,20	150,36
PIL-VI DPSS series	EUR	USD

 <p>solid state cw infrared lasemodules, 5VDC separate driver unit cooling necessary! --> heat sink available</p> <p>1064 nm</p>		
	1-3 pcs.	1-3 pcs.
PIL-VI-1064-1, DPSS, 1064 nm , 1 mW, cw, 5 VDC, Ø12 x 40mm	271,43	291,10
PIL-VI-1064-3, DPSS, 1064 nm , 3 mW, cw, 5 VDC, Ø12 x 40mm	314,29	337,07
PIL-VI-1064-5, DPSS, 1064 nm , 5 mW, cw, 5 VDC, Ø12 x 40mm	314,29	337,07
PIL-VI-1064-10, DPSS, 1064 nm , 10 mW, cw, 5 VDC, Ø12 x 40mm	342,86	367,71
PIL-VI-1064-20, DPSS, 1064 nm , 20 mW, cw, 5 VDC, Ø12 x 40mm	371,43	398,35
PIL-VI-1064-50, DPSS, 1064 nm , 50 mW, cw, 5 VDC, Ø12 x 40mm	428,57	459,63
PIL-VI-1064-100, DPSS, 1064 nm , 100 mW, cw, 5 VDC, Ø12 x 40mm	471,43	505,60
PIL-VI-1064-200, DPSS, 1064 nm , 200 mW, cw, 5 VDC, Ø12 x 40mm	523,81	561,78
PIL-VI-1064-300, DPSS, 1064 nm , 300 mW, cw, 5 VDC, Ø12 x 40mm	714,29	766,06
PIL-VI-1064-400, DPSS, 1064 nm , 400 mW, cw, 5 VDC, Ø12 x 40mm	799,52	857,47

LASER MODULES - IR LINE



RLLH series, LINE LASER MODULE	EUR	USD
 <p>Infrared line laser modules - APC (automatic power control) - 90° line, cylinder lens - up to 350 mW</p> <p>808 - 830 nm</p>		
	1-9 pcs.	1-9 pcs.
RLLH808-350-3, 808 nm , 350 mW, APC, line, fixed focus, Ø22 x 70 mm, 3 VDC	76,00	81,51
RLLH830-30-3, 830 nm , 30 mW, APC, line, fixed focus, Ø14 x 45 mm, 3 VDC	79,00	84,73

LASER MODULES - PC CONTROLLED

RLLM series, PC CONTROLLED LASER MODULE, USB CONNECTOR	EUR	USD
 <p>PC controlled laser modules, USB 2.0, incl. software - CW mode and modulation (up to 50 kHz) - power stability <5%, noise <0.5% - optional: detachable line generator (10 up to 90 °)</p> <p>405 - 845 nm</p>		
	1-9 pcs.	1-9 pcs.
RLLM-405PC-1, 405 nm , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	465,00	498,70
RLLM-405PC-5, 405 nm , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	495,25	531,15
RLLM-405PC-10, 405 nm , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	521,73	559,54
RLLM-405PC-30, 405 nm , 30 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	580,70	622,79
RLLM-405PC-50, 405 nm , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	696,84	747,35
RLLM-405PC-100, 405 nm , 100 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	929,13	996,47
RLLM-445PC-1, 445 nm , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	465,00	498,70
RLLM-445PC-5, 445 nm , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	495,25	531,15
RLLM-445PC-10, 445 nm , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	521,73	559,54
RLLM-445PC-30, 445 nm , 30 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	580,70	622,79
RLLM-445PC-50, 445 nm , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	696,84	747,35
RLLM-445PC-80, 445 nm , 80 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	812,99	871,91
RLLM-447PC-1, 447 nm , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	465,00	498,70
RLLM-447PC-5, 447 nm , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	495,25	531,15
RLLM-447PC-10, 447 nm , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	521,73	559,54
RLLM-447PC-30, 447 nm , 30 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	580,70	622,79
RLLM-447PC-50, 447 nm , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	696,84	747,35
RLLM-447PC-80, 447 nm , 80 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	812,99	871,91
RLLM-450PC-1, 450 nm , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	465,00	498,70
RLLM-450PC-5, 450 nm , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	495,25	531,15
RLLM-450PC-10, 450 nm , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	521,73	559,54
RLLM-450PC-30, 450 nm , 30 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	580,70	622,79






RLLM-450PC-50, 450 nm , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	696,84	747,35
RLLM-450PC-80, 450 nm , 80 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	812,99	871,91
RLLM-520PC-1, 520 nm , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	580,70	622,79
RLLM-520PC-5, 520 nm , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	621,45	666,49
RLLM-520PC-10, 520 nm , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	694,55	744,89
RLLM-520PC-20, 520 nm , 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	812,99	871,91
RLLM-520PC-50, 520 nm , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	1.045,27	1.121,03
RLLM-635PC-1, 635 nm , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	348,42	373,68
RLLM-635PC-5, 635 nm , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	382,20	409,90
RLLM-635PC-10, 635 nm , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	412,15	442,02
RLLM-635PC-20, 635 nm , 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	464,56	498,23
RLLM-635PC-50, 635 nm , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	696,84	747,35
RLLM-637PC-1, 637 nm , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	348,42	373,68
RLLM-637PC-5, 637 nm , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	382,20	409,90
RLLM-637PC-10, 637 nm , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	412,15	442,02
RLLM-637PC-20, 637 nm , 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	464,56	498,23
RLLM-637PC-50, 637 nm , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	696,84	747,35
RLLM-640PC-1, 640 nm , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	348,42	373,68
RLLM-640PC-5, 640 nm , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	382,20	409,90
RLLM-640PC-10, 640 nm , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	412,15	442,02
RLLM-640PC-20, 640 nm , 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	464,56	498,23
RLLM-640PC-50, 640 nm , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	696,84	747,35
RLLM-685PC-1, 685 nm , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	929,13	996,47
RLLM-685PC-5, 685 nm , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	954,28	1.023,45
RLLM-685PC-10, 685 nm , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	990,00	1.061,76
RLLM-685PC-20, 685 nm , 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	1.161,41	1.245,59
RLLM-685PC-50, 685 nm , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	1.509,83	1.619,26
RLLM-845PC-1, 845 nm , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	696,84	747,35
RLLM-845PC-5, 845 nm , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	723,92	776,39
RLLM-845PC-10, 845 nm , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	786,12	843,10
RLLM-845PC-20, 845 nm , 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	812,99	871,91
RLLM-845PC-50, 845 nm , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	1.045,27	1.121,03
OPTION: RLLM-PL , detachable Powell Lens, available with 10, 15, 30, 45, 50, 60, 75 and 90°	89,00	95,45






POWER SUPPLIES FOR LASER MODULES

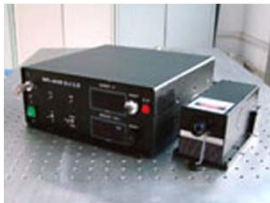




LPS series	EUR	USD
 <p>100-240 VAC universal power supplies for 3 VDC and 5 VDC laser modules with 0.5 m supply line</p> <ul style="list-style-type: none"> - CE marking - AC Europlug (CEE 7/16) - IEC 60130-10 Type A connector 		
LPS31C, Laser Power Supply , Input: 100-240 VAC, Output: 3.0 VDC, max 1A, 30x80x75 mm	19,90	21,34
LPS51C, Laser Power Supply , Input: 100-240 VAC, Output: 5.0 VDC, max 1A, 30x80x75 mm	19,90	21,34
 <p>110-230 VAC universal power supplies for 3 VDC and 5 VDC laser modules with 1 m supply line and ON / OFF switch</p> <ul style="list-style-type: none"> - Small ripple (<80 mV) - AC Europlug (CEE 7/16) - IEC 60130-10 Type A connector 		
LPS31, Laser Power Supply , Input: 110-230 VAC, Output: 3.0 VDC, max 1A, 33x62x105 mm	29,90	32,07
LPS51, Laser Power Supply , Input: 110-230 VAC, Output: 5.0 VDC, max 1A, 33x62x105 mm	29,90	32,07



LASER SYSTEMS - UV





UV DPSS LASERS, RLTUVL-261 series	EUR	USD
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	<p>80-250 VAC power supply included cw operation available options: fibercoupling, adjustable power 261nm</p>		
		1-3 pcs.	1-3 pcs.
RLTUVL-261-1-10, 261 nm , 1 mW cw, <10% stability, laser head 209x88x74 mm		9.667,00	10.367,66
RLTUVL-261-2-10, 261 nm , 2 mW cw, <10% stability, laser head 209x88x74 mm		11.600,00	12.440,77
RLTUVL-261-3-10, 261 nm , 3 mW cw, <10% stability, laser head 209x88x74 mm		13.533,00	14.513,87
UV DPSS PASSIVELY Q-SWITCHED LASERS, RLTMPL-266 series		EUR	USD
	<p>Passively Q-switched Laser uncontrollable rep. rate 5-7kHz (unstable) options: - controllable rep. rate 1-4 kHz - 5% and 3% power stability 266 nm passively Q-switched</p>		
		1-3 pcs.	1-3 pcs.
RLTMPL-266-10-10, 266 nm , 10 mW / 3 µJ, ~10 ns pulse, <10% stability, 80-250VAC		7.233,00	7.757,25
RLTMPL-266-30-10, 266 nm , 30 mW / 5 µJ, ~10 ns pulse, <10% stability, 80-250VAC		8.700,00	9.330,58
RLTMPL-266-50-10, 266 nm , 50 mW / 5 µJ, ~10 ns pulse, <10% stability, 80-250VAC		12.567,00	13.477,86
RLTMPL-266-100-10, 266 nm , 100 mW / 10 µJ, ~10 ns pulse, <10% stability, 80-250VAC		13.533,00	14.513,87
RLTMPL-266-200-10, 266 nm , 200 mW / 10 µJ, ~10 ns pulse, <10% stability, 80-250VAC		18.133,00	19.447,28
UV DPSS PASSIVELY Q-SWITCHED LASERS, RLTMPL-266SP series		EUR	USD
	<p>Passively Q-switched short pulse Laser uncontrollable rep. rate 5-7kHz (unstable) options: - controllable rep. rate 1-4 kHz - 5% and 3% power stability 266 nm passively Q-switched</p>		
		1-3 pcs.	1-3 pcs.
RLTMPL-266SP-10-10, 266 nm , 10 mW / 1-2 µJ, ~1.3 ns pulse, <10% stability, 80-250VAC		10.633,00	11.403,68
RLTMPL-266SP-20-10, 266 nm , 20 mW / 3 µJ, ~1.3 ns pulse, <10% stability, 80-250VAC		11.600,00	12.440,77
RLTMPL-266SP-30-10, 266 nm , 30 mW / 4 µJ, ~1.3 ns pulse, <10% stability, 80-250VAC		13.533,00	14.513,87
UV DPSS AOM Q-SWITCHED PULSED LASERS, RLTAOL-266 series		EUR	USD
	<p>AOM (Acusto-Optic Modulation) Q-switched Laser 1 - 50 kHz, adjustable Option: 5% power stability 80-250 VAC power supply included 266 nm AOM Q-switched</p>		
		1-3 pcs.	1-3 pcs.
RLTAOL-266-30-10, 266 nm , 30 mW @ 10 kHz, 3 µJ, 10-15 ns pulse, <10% stability		13.533,00	14.513,87
RLTAOL-266-50-10, 266 nm , 50 mW @ 10 kHz, 5 µJ, 10-15 ns pulse, <10% stability		14.507,00	15.558,47
RLTAOL-266-100-10, 266 nm , 100 mW @ 10 kHz, 10 µJ, 10-15 ns pulse, <10% stability		18.133,00	19.447,28
RLTAOL-266-200-10, 266 nm , 200 mW @ 10 kHz, 20 µJ, 10-15 ns pulse, <10% stability		21.760,00	23.337,16
UV DPSS LASERS, RLTUVL-303 series		EUR	USD
	<p>80-250 VAC power supply included cw operation, M²<2.0, divergence <1.5 mrad available options: fibercoupling, adjustable power 303nm</p>		
		1-3 pcs.	1-3 pcs.
RLTUVL-303-3-10, 303 nm , 3 mW cw, <10% stability, laser head 209x88x74 mm		7.733,00	8.293,49
RLTUVL-303-5-10, 303 nm , 5 mW cw, <10% stability, laser head 209x88x74 mm		9.667,00	10.367,66
RLTUVL-303-10-10, 303 nm , 10 mW cw, <10% stability, laser head 209x88x74 mm		11.600,00	12.440,77
RLTUVL-303-15-10, 303 nm , 15 mW cw, <10% stability, laser head 209x88x74 mm		13.533,00	14.513,87
RLTUVL-303-20-10, 303 nm , 20 mW cw, <10% stability, laser head 209x88x74 mm		14.507,00	15.558,47
UV DPSS LASERS, RLTUVL-320 series		EUR	USD




	<p>80-250 VAC power supply included cw operation, $M^2 < 2.0$, divergence < 1.5 mrad available options: fibercoupling, adjustable power 320nm</p>		
		1-3 pcs.	1-3 pcs.
RLTUVL-320-3-10, 320 nm , 3 mW cw, <10% stability, laser head 209x88x74 mm		6.200,00	6.649,38
RLTUVL-320-5-10, 320 nm , 5 mW cw, <10% stability, laser head 209x88x74 mm		7.733,00	8.293,49
RLTUVL-320-10-10, 320 nm , 10 mW cw, <10% stability, laser head 209x88x74 mm		9.667,00	10.367,66
RLTUVL-320-15-10, 320 nm , 15 mW cw, <10% stability, laser head 209x88x74 mm		11.600,00	12.440,77
RLTUVL-320-20-10, 320 nm , 20 mW cw, <10% stability, laser head 209x88x74 mm		13.533,00	14.513,87
UV DPSS Q-SWITCHED LASERS, RLTMPL-349 series		EUR	USD
	<p>Passively Q-switched Laser</p> <p>options: - rep. rate 2-3 kHz - 10%, 5% and 3% power stability</p> <p>349 nm passively Q-switched</p>		
		1-3 pcs.	1-3 pcs.
RLTMPL-349-5-10, 349 nm , 5 mW, 2-3 kHz, ~4ns pulse, <10% stability, 80-250VAC		7.733,00	8.293,49
RLTMPL-349-10-10, 349 nm , 10 mW, 2-3 kHz, ~4ns pulse, <10% stability, 80-250VAC		8.700,00	9.330,58
RLTMPL-349-20-10, 349 nm , 20 mW, 2-3 kHz, ~4ns pulse, <10% stability, 80-250VAC		9.667,00	10.367,66
RLTMPL-349-30-10, 349 nm , 30 mW, 2-3 kHz, ~4ns pulse, <10% stability, 80-250VAC		11.600,00	12.440,77
UV DPSS Q-SWITCHED LASERS, RLTMPL-351 series		EUR	USD
	<p>Passively Q-switched Laser</p> <p>options: - rep. rate 2-3 kHz - 10%, 5% and 3% power stability</p> <p>351 nm passively Q-switched</p>		
		1-3 pcs.	1-3 pcs.
RLTMPL-351-2-10, 351 nm , 2 mW, 2-3 kHz, ~4ns pulse, <10% stability, 80-250VAC		7.733,00	8.293,49
RLTMPL-351-3-10, 351 nm , 3 mW, 2-3 kHz, ~4ns pulse, <10% stability, 80-250VAC		8.700,00	9.330,58
RLTMPL-351-5-10, 351 nm , 5 mW, 2-3 kHz, ~4ns pulse, <10% stability, 80-250VAC		9.667,00	10.367,66
RLTMPL-351-10-10, 351 nm , 10 mW, 2-3 kHz, ~4ns pulse, <10% stability, 80-250VAC		11.600,00	12.440,77
UV DPSS Q-SWITCHED PULSED LASERS, RLTMPL-355 series		EUR	USD
	<p>Passively Q-switched Laser</p> <p>uncontrollable rep. rate 4-10kHz (unstable)</p> <p>options: - controllable rep. rate 1-4 kHz - 5% and 3% power stability</p> <p>355 nm passively Q-switched</p>		
		1-3 pcs.	1-3 pcs.
RLTMPL-355-10-10, 355 nm , 10 mW / 1 μ J, ~7ns pulse, <10% stability, 80-250 VAC		6.200,00	6.649,38
RLTMPL-355-30-10, 355 nm , 30 mW / 4 μ J, ~7ns pulse, <10% stability, 80-250 VAC		7.233,00	7.757,25
RLTMPL-355-50-10, 355 nm , 50 mW / 5 μ J, ~7ns pulse, <10% stability, 80-250 VAC		7.733,00	8.293,49
RLTMPL-355-100-10, 355 nm , 100 mW / 10 μ J, ~7ns pulse, <10% stability, 80-250 VAC		9.667,00	10.367,66
RLTMPL-355-150-10, 355 nm , 150 mW / 15 μ J, ~7ns pulse, <10% stability, 80-250 VAC		11.047,00	11.847,69
RLTMPL-355-200-10, 355 nm , 200 mW / 30 μ J, ~7ns pulse, <10% stability, 80-250 VAC		11.600,00	12.440,77
RLTMPL-355-500-10, 355 nm , 500 mW / 50 μ J, ~7ns pulse, <10% stability, 80-250 VAC		14.500,00	15.550,96
RLTMPL-355-1W-10, 355 nm , 1 W / 40 μ J, ~10ns pulse, <10% stability, 80-250 VAC		18.133,00	19.447,28
UV DPSS PASSIVELY Q-SWITCHED LASERS, RLTMPL-355SP series		EUR	USD
	<p>Passively Q-switched short pulse Laser</p> <p>uncontrollable rep. rate 5-7kHz (unstable)</p> <p>options: - controllable rep. rate 1-4 kHz - 5% and 3% power stability</p> <p>355 nm passively Q-switched</p>		
		1-3 pcs.	1-3 pcs.





RLTMPL-355SP-10-10, 355 nm , 10 mW / 1-2 μ J, ~1.3 ns pulse, <10% stability, 80-250VAC	7.733,00	8.293,49
RLTMPL-355SP-20-10, 355 nm , 20 mW / 3 μ J, ~1.3 ns pulse, <10% stability, 80-250VAC	8.700,00	9.330,58
RLTMPL-355SP-50-10, 355 nm , 50 mW / 7 μ J, ~1.3 ns pulse, <10% stability, 80-250VAC	11.600,00	12.440,77
UV DPSS AOM Q-SWITCHED PULSED LASERS, RLTAOL-355 series	EUR	USD
 <p>AOM (Acusto-Optic Modulation) Q-switched Laser 1 - 50 kHz, adjustable Option: 5% power stability 80-250 VAC power supply included</p> <p>355 nm AOM Q-switched</p>	1-3 pcs.	1-3 pcs.
RLTAOM-355-100-10, 355 nm , 100 mW @ 10 kHz, 10 μ J, 10-15 ns pulse, <10% stability	11.600,00	12.440,77
RLTAOM-355-300-10, 355 nm , 300 mW @ 10 kHz, 30 μ J, 10-15 ns pulse, <10% stability	13.533,00	14.513,87
RLTAOM-355-500-10, 355 nm , 500 mW @ 10 kHz, 50 μ J, 10-15 ns pulse, <10% stability	14.507,00	15.558,47
UV DPSS LASERS, RLTUVL-355 series	EUR	USD
 <p>80-250 VAC power supply included cw operation, $M^2 < 2.0$, divergence <1.5 mrad available options: fibercoupling, adjustable power</p> <p>355 nm</p>	1-3 pcs.	1-3 pcs.
RLTUVL-355-1-10, 355 nm , >1 mW cw, <10% stability, laser head 209x88x74 mm	6.200,00	6.649,38
RLTUVL-355-3-10, 355 nm , >3 mW cw, <10% stability, laser head 209x88x74 mm	7.233,00	7.757,25
RLTUVL-355-5-10, 355 nm , >5 mW cw, <10% stability, laser head 209x88x74 mm	7.733,00	8.293,49
RLTUVL-355-10-10, 355 nm , >10 mW cw, <10% stability, laser head 209x88x74 mm	o.r	o.r
RLTUVL-355-15-10, 355 nm , >15 mW cw, <10% stability, laser head 209x88x74 mm	o.r	o.r
UV DPSS LASERS, RLTUVL-360 series	EUR	USD
 <p>80-250 VAC power supply included cw operation, $M^2 < 2.0$, divergence <1.5 mrad available options: fibercoupling, adjustable power</p> <p>360 nm</p>	1-3 pcs.	1-3 pcs.
RLTUVL-360-10-10, 360 nm , 10 mW cw, <10% stability, laser head 209x88x74 mm	5.167,00	5.541,50
RLTUVL-360-30-10, 360 nm , 30 mW cw, <10% stability, laser head 209x88x74 mm	7.233,00	7.757,25
RLTUVL-360-50-10, 360 nm , 50 mW cw, <10% stability, laser head 209x88x74 mm	7.733,00	8.293,49
RLTUVL-360-100-10, 360 nm , 100 mW cw, <10% stability, laser head 209x88x74 mm	10.633,00	11.403,68
RLTUVL-360-150-10, 360 nm , 150 mW cw, <10% stability, laser head 209x88x74 mm	18.133,00	19.447,28
RLTUVL-360-200-10, 360 nm , 200 mW cw, <10% stability, laser head 209x88x74 mm	21.760,00	23.337,16
UV LASER DIODE MODULES, RLTUVL-375 series	EUR	USD
 <p>80-250 VAC power supply included available options: - 1% stability - fibercoupling - adjustable power - modulation input</p>	1-9 pcs.	1-9 pcs.
RLTUVL-375-30-3, 375 nm , 30 mW cw, stability <3%, laser head 141x46x73 mm	9.667,00	10.367,66
RLTUVL-375-50-3, 375 nm , 50 mW cw, stability <3%, laser head 141x46x73 mm	10.633,00	11.403,68
RLTUVL-375-100-3, 375 nm , 100 mW cw, stability <3%, laser head 141x46x73 mm	12.567,00	13.477,86
RLTUVL-375-150-3, 375 nm , 150 mW cw, stability <3%, laser head 141x46x73 mm	14.500,00	15.550,96
UV LASER DIODE MODULES, RLTUVL-395 series	EUR	USD
 <p>80-250 VAC power supply included available options: - 1% stability - fibercoupling - adjustable power - modulation input</p>	1-9 pcs.	1-9 pcs.

RLTUVL-395-20-3, 395 nm , 20 mW cw, stability <3%, laser head 141x46x73 mm	4.213,00	4.518,36
RLTUVL-395-50-3, 395 nm , 50 mW cw, stability <3%, laser head 141x46x73 mm	5.167,00	5.541,50
RLTUVL-395-80-3, 395 nm , 100 mW cw, stability <3%, laser head 141x46x73 mm	6.200,00	6.649,38
RLTUVL-395-100-3, 395 nm , 150 mW cw, stability <3%, laser head 141x46x73 mm	7.233,00	7.757,25
UV LASER DIODE MODULES, RLTUVL-397 series	EUR	USD
 <p>80-250 VAC power supply included available options: - 1% stability - fibercoupling - adjustable power - modulation input</p>		
	1-9 pcs.	1-9 pcs.
RLTUVL-397-20-3, 397 nm , 20 mW cw, stability <3%, laser head 141x46x73 mm	4.213,00	4.518,36
RLTUVL-397-50-3, 397 nm , 50 mW cw, stability <3%, laser head 141x46x73 mm	5.167,00	5.541,50
RLTUVL-397-80-3, 397 nm , 100 mW cw, stability <3%, laser head 141x46x73 mm	6.200,00	6.649,38
RLTUVL-397-100-3, 397 nm , 150 mW cw, stability <3%, laser head 141x46x73 mm	7.233,00	7.757,25
LASER SYSTEMS - VIOLET		
VIOLET LASER DIODE MODULES, RLTM DL-400 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power, modulation input</p> <p>400 nm</p>		
	1-9 pcs.	1-9 pcs.
RLTM DL-400-50-5, 400 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTM DL-400-100-5, 400 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.125,21
RLTM DL-400-200-5, 400 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTM DL-400-400-5, 400 nm , 400 mW cw, stability <5%, laser head 141x46x73 mm	5.167,00	5.541,50
VIOLET LASER DIODE MODULES, RLTM DL-405 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power, modulation input</p> <p>405 nm</p>		
	1-9 pcs.	1-9 pcs.
RLTM DL-405-50-5, 405 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	1.333,00	1.429,62
RLTM DL-405-100-5, 405 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	1.538,00	1.649,47
RLTM DL-405-200-5, 405 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.134,24
RLTM DL-405-300-5, 405 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTM DL-405-500-5, 405 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
VIOLET LASER DIODE MODULES, RLTM LL-405 series LOW NOISE	EUR	USD
 <p>LOW NOISE 80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power, modulation</p> <p>405 nm LOW NOISE</p>		
	1-9 pcs.	1-9 pcs.
RLTM LL-405-50-5, 405 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	1.600,00	1.715,97
RLTM LL-405-100-5, 405 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.016,00	2.162,12
RLTM LL-405-200-5, 405 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	2.448,00	2.625,43
RLTM LL-405-300-5, 405 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	3.168,00	3.397,62
RLTM LL-405-500-5, 405 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	4.896,00	5.250,86
VIOLET LASER DIODE MODULES, RLTM DL-410 series	EUR	USD

 <p>80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power, modulation input</p> <p>410 nm</p>		
	1-9 pcs.	1-9 pcs.
RLTMDL-410-50-5, 410 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	1.333,00	1.429,62
RLTMDL-410-100-5, 410 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	1.538,00	1.649,47
RLTMDL-410-200-5, 410 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.134,24
RLTMDL-410-300-5, 410 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMDL-410-500-5, 410 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
VIOLET LASER DIODE MODULES, RLTMDL-415 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power, modulation input</p> <p>415nm</p>		
	1-9 pcs.	1-9 pcs.
RLTMDL-415-50-5, 415 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMDL-415-100-5, 415 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.125,21
RLTMDL-415-200-5, 415 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTMDL-415-400-5, 415 nm , 400 mW cw, stability <5%, laser head 141x46x73 mm	5.167,00	5.541,50
LASER SYSTEMS - BLUE		
BLUE LASER DIODE MODULES, RLTMDL-442 series		
 <p>80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power</p> <p>442 nm</p>		
	1-9 pcs.	1-9 pcs.
RLTMDL-442-20-5, 442 nm , 20 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMDL-442-30-5, 442 nm , 30 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.125,21
RLTMDL-442-50-5, 442 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
BLUE LASER DIODE MODULES, RLTMLL-442 series LOW NOISE		
 <p>LOW NOISE 80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power</p> <p>442 nm</p>		
	1-9 pcs.	1-9 pcs.
RLTMLL-442-20-5, 442 nm , 20 mW cw, stability <5%, laser head 141x46x73 mm	3.039,00	3.259,27
RLTMLL-442-30-5, 442 nm , 30 mW cw, stability <5%, laser head 141x46x73 mm	3.497,00	3.750,46
RLTMLL-442-50-5, 442 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	4.320,00	4.633,11
BLUE LASER DIODE MODULES, ULV-445 series		
 <p>low cost / high power -> ready to operate! - stability <3%, - divergence <2mrad - 20 kHz TTL modulation</p>		
	1-9 pcs.	1-9 pcs.
ULV-445-300, 445+/-5 nm , 300 mW cw, stability <3%, TTL, 65x33x33 mm, 12 VDC	198,00	212,35
ULV-445-700, 445+/-5 nm , 700 mW cw, stability <3%, TTL, 65x33x33 mm, 12 VDC	298,00	319,60
BLUE LASER DIODE MODULES, RLTMDL-445 series		
	EUR	USD

 <p>80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation 445 nm</p>		
	1-9 pcs.	1-9 pcs.
RLTMDL-445-200-5, 445 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	1.048,00	1.123,96
RLTMDL-445-500-5, 445 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	1.333,00	1.429,62
RLTMDL-445-1W-5, 445 nm , 1 W cw, stability <5%, laser head 141x46x73 mm	1.538,00	1.649,47
RLTMDL-445-2W-5, 445 nm , 2 W cw, stability <5%, laser head 212x88x74 mm	2.533,00	2.716,59
BLUE LASER DIODE MODULES, RLTMDL-447 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation 447 nm</p>		
	1-9 pcs.	1-9 pcs.
RLTMDL-447-200-5, 447 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	1.048,00	1.123,96
RLTMDL-447-500-5, 447 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	1.333,00	1.429,62
RLTMDL-447-1W-5, 447 nm , 1 W cw, stability <5%, laser head 141x46x73 mm	1.538,00	1.649,47
RLTMDL-447-2W-5, 447 nm , 2 W cw, stability <5%, laser head 212x88x74 mm	2.533,00	2.716,59
BLUE LASER DIODE MODULES, RLTMDL-450 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation 450 nm</p>		
	1-9 pcs.	1-9 pcs.
RLTMDL-450-200-5, 450 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	1.048,00	1.123,96
RLTMDL-450-500-5, 450 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	1.333,00	1.429,62
RLTMDL-450-1W-5, 450 nm , 1 W cw, stability <5%, laser head 141x46x73 mm	1.538,00	1.649,47
RLTMDL-450-2W-5, 450 nm , 2 W cw, stability <5%, laser head 212x88x74 mm	2.533,00	2.716,59
BLUE LASER DIODE MODULES, RLTMDL-454 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation 454 nm</p>		
	1-9 pcs.	1-9 pcs.
RLTMDL-454-30-5, 454 nm , 30 mW cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.134,24
RLTMDL-454-50-5, 454 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMDL-454-80-5, 454 nm , 80 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.125,21
BLUE DPSS LASERS, RLTMBL-457 series	EUR	USD
 <p>80-250 VAC power supply included available options: 5% and 3% power stability, low noise, fibercoupling, adjustable power, modulation input 457 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMBL-457-10-10, 457 nm , 10 mW cw, stability <10%, laser head 212 x 88 x 74 mm	1.520,00	1.630,17
RLTMBL-457-50-10, 457 nm , 50 mW cw, stability <10%, laser head 212 x 88 x 74 mm	2.171,00	2.328,35
RLTMBL-457-100-10, 457 nm , 100 mW cw, stability <10%, laser head 212 x 88 x 74 mm	2.533,00	2.716,59
RLTMBL-457-300-10, 457 nm , 300 mW cw, stability <10%, laser head 212 x 88 x 74 mm	2.880,00	3.088,74
RLTMBL-457-500-10, 457 nm , 500 mW cw, stability <10%, laser head 212 x 88 x 74 mm	3.600,00	3.860,93
RLTMBL-457-1W-10, 457 nm , 1000 mW cw, stability <10%, laser head 235 x 99 x 94 mm	5.167,00	5.541,50
RLTMBL-457-2W-10, 457 nm , 2000 mW cw, stability <10%, laser head 235 x 99 x 94 mm	7.233,00	7.757,25
BLUE DPSS LASERS, RLTMBL-457 HIGH POWER series	EUR	USD





 <p>80-250 VAC power supply included beam profile: TEM 01 available options: stability 5% and 3%, fibercoupling, adjustable power, modulation 457 nm</p>	1-3 pcs.	1-3 pcs.
RLTMBL-457-3W-10, 457 nm , 3 W cw, stability <10%, laser head 333 x 140 x 125 mm	9.667,00	10.367,66
RLTMBL-457-5W-10, 457 nm , 5 W cw, stability <10%, laser head 333 x 140 x 125 mm	14.507,00	15.558,47
RLTMBL-457-10W-10, 457 nm , 10 W cw, stability <10%, laser head 333 x 140 x 125 mm	29.013,00	31.115,86
BLUE DPSS LASERS, RLTMML-457 series LOW NOISE	EUR	USD
 <p>LOW NOISE (noise of amplitude <3%) 80-250 VAC power supply included available options: 5% and 3% stability, fibercoupling 457 nm</p>	1-3 pcs.	1-3 pcs.
RLTMML-457-10-10, 457 nm , 10 mW cw, stability <10%, laser head 212 x 88 x 74 mm	3.154,00	3.382,60
RLTMML-457-50-10, 457 nm , 50 mW cw, stability <10%, laser head 212 x 88 x 74 mm	3.457,00	3.707,56
RLTMML-457-100-10, 457 nm , 100 mW cw, stability <10%, laser head 212 x 88 x 74 mm	3.771,00	4.044,32
RLTMML-457-300-10, 457 nm , 300 mW cw, stability <10%, laser head 212 x 88 x 74 mm	4.032,00	4.324,24
RLTMML-457-500-10, 457 nm , 500 mW cw, stability <10%, laser head 212 x 88 x 74 mm	4.665,00	5.003,12
RLTMML-457-1W-10, 457 nm , 1000 mW cw, stability <10%, laser head 235 x 99 x 94 mm	6.643,00	7.124,48
RLTMML-457-2W-10, 457 nm , 2000 mW cw, stability <10%, laser head 235 x 99 x 94 mm	8.148,00	8.738,57
BLUE DPSS LASERS, RLTMML-457 HIGH POWER series LOW NOISE	EUR	USD
 <p>LOW NOISE (noise of amplitude <3%) 80-250 VAC power supply included available options: 5% and 3% stability, fibercoupling 457 nm</p>	1-3 pcs.	1-3 pcs.
RLTMML-457-3W-10, 457 nm , 3 W cw, stability <10%, laser head 333 x 140 x 125 mm	11.048,00	11.848,76
RLTMML-457-5W-10, 457 nm , 5 W cw, stability <10%, laser head 333 x 140 x 125 mm	15.802,00	16.947,33
RLTMML-457-10W-10, 457 nm , 10 W cw, stability <10%, laser head 333 x 140 x 125 mm	30.309,00	32.505,80
BLUE LASER DIODE MODULES, RLTM DL-460 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation 460 nm</p>	1-9 pcs.	1-9 pcs.
RLTM DL-460-200-5, 460 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.134,24
RLTM DL-460-500-5, 460 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.125,21
RLTM DL-460-1W-5, 460 nm , 1 W cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
BLUE LASER DIODE MODULES, RLTM DL-460L series	EUR	USD
 <p>80-250 VAC power supply included near TEM00 beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation 460 nm</p>	1-9 pcs.	1-9 pcs.
RLTM DL-460L-30-5, 460 nm , 30 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTM DL-460L-50-5, 460 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.125,21
RLTM DL-460L-80-5, 460 nm , 80 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
BLUE LASER DIODE MODULES, RLTM DL-462 series	EUR	USD





 <p>80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power, modulation input</p> <p>462 nm</p>		
	1-9 pcs.	1-9 pcs.
RLTMDL-462-50-5, 462 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMDL-462-100-5, 462 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.125,21
RLTMDL-462-300-5, 462 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTMDL-462-500-5, 462 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	3.928,00	4.212,70
RLTMDL-462-1W-5, 462 nm , 1 W cw, stability <5%, laser head 141x46x73 mm	5.167,00	5.541,50
RLTMDL-462-1.5W-5, 462 nm , 1.5 W cw, stability <5%, laser head 141x46x73 mm	7.233,00	7.757,25
RLTMDL-462-2W-5, 462 nm , 2 W cw, stability <5%, laser head 141x46x73 mm	8.700,00	9.330,58
BLUE LASER DIODE MODULES, RLTMDL-465 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power, modulation input</p> <p>465 nm</p>		
	1-9 pcs.	1-9 pcs.
RLTMDL-465-50-5, 465 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMDL-465-100-5, 465 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.125,21
RLTMDL-465-300-5, 465 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTMDL-465-500-5, 465 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	3.928,00	4.212,70
RLTMDL-465-1W-5, 465 nm , 1 W cw, stability <5%, laser head 141x46x73 mm	5.167,00	5.541,50
RLTMDL-465-1.5W-5, 465 nm , 1.5 W cw, stability <5%, laser head 141x46x73 mm	7.233,00	7.757,25
RLTMDL-465-2W-5, 465 nm , 2 W cw, stability <5%, laser head 141x46x73 mm	8.700,00	9.330,58
BLUE DIODE PUMPED SOLID STATE LASERS, RLTMBL-473 series	EUR	USD
 <p>80-250 VAC power supply included available options: 5% and 3% power stability, low noise, fibercoupling, adjustable power, modulation input</p> <p>473 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMBL-473-50-10, 473 nm , 50 mW cw, stability <10%, laser head 140.8 x 73 x 46.2 mm	1.200,00	1.286,98
RLTMBL-473-100-10, 473 nm , 100 mW cw, stability <10%, laser head 140.8 x 73 x 46.2 mm	1.647,00	1.766,37
RLTMBL-473-150-10, 473 nm , 150 mW cw, stability <10%, laser head 140.8 x 73 x 46.2 mm	2.027,00	2.173,92
BLUE DIODE PUMPED SOLID STATE LASERS, RLTMBL-473 series	EUR	USD
 <p>80-250 VAC power supply included beam profile: TEM 01 (nearTEM00 avail.) available options: stability 5% and 3%, fibercoupling, adjustable power, modulation</p> <p>473 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMBL-473-200-10, 473 nm , 200 mW cw, stability <10%, laser head 155 x 77 x 60 mm	2.171,00	2.328,35
RLTMBL-473-300-10, 473 nm , 300 mW cw, stability <10%, laser head 155 x 77 x 60 mm	2.533,00	2.716,59
RLTMBL-473-500-10, 473 nm , 500 mW cw, stability <10%, laser head 155 x 77 x 60 mm	3.960,00	4.247,02
BLUE DIODE PUMPED SOLID STATE LASERS, RLTMBL-473 series	EUR	USD
 <p>80-250 VAC power supply included beam profile: TEM 01 available options: stability 5% and 3%, fibercoupling, adjustable power, modulation</p> <p>473 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMBL-473-800-10, 473 nm , 800 mW cw, stability <10%, laser head 235 x 99 x 94 mm	6.200,00	6.649,38
RLTMBL-473-1W-10, 473 nm , 1 W cw, stability <10%, laser head 235 x 99 x 94 mm	7.733,00	8.293,49
RLTMBL-473-1.5W-10, 473 nm , 1.5 W cw, stability <10%, laser head 235 x 99 x 94 mm	11.600,00	12.440,77
BLUE DPSS LASERS, RLTMLL-473 series LOW NOISE	EUR	USD

 <p>LOW NOISE (noise of amplitude <1%) 80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling 473 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMLL-473-30-10, 473 nm , 30 mW cw, stability <10%, laser head 197 x 70 x 50 mm	2.678,00	2.872,10
RLTMLL-473-50-10, 473 nm , 50 mW cw, stability <10%, laser head 197 x 70 x 50 mm	2.709,00	2.905,35
RLTMLL-473-100-10, 473 nm , 100 mW cw, stability <10%, laser head 197 x 70 x 50 mm	2.880,00	3.088,74
RLTMLL-473-300-10, 473 nm , 300 mW cw, stability <10%, laser head 197 x 70 x 50 mm	3.960,00	4.247,02
RLTMLL-473-500-10, 473 nm , 500 mW cw, stability <10%, laser head 197 x 70 x 50 mm	5.167,00	5.541,50
BLUE SINGLE LONGITUDINAL MODE DPSS LASERS, RLTMSSL-473 series	EUR	USD
 <p>SINGLE LONGITUDINAL MODE 80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling 473 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMSSL-473-20-10, 473 nm , 20 mW cw, stability <10%, Coherence >50m, noise <0.5%	5.905,00	6.332,99
RLTMSSL-473-30-10, 473 nm , 30 mW cw, stability <10%, Coherence >50m, noise <0.5%	6.200,00	6.649,38
RLTMSSL-473-50-10, 473 nm , 50 mW cw, stability <10%, Coherence >50m, noise <0.5%	7.233,00	7.757,25
RLTMSSL-473-100-10, 473 nm , 100 mW cw, stability <10%, Coherence >50m, noise <0.5%	7.733,00	8.293,49
BLUE DIODE PUMPED SOLID STATE LASERS, RLTMBSL-480 series	EUR	USD
 <p>80-250 VAC power supply included available options: fibercoupling, adjustable power 480 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMBSL-480-10-10, 480 nm , 10 mW cw, stability <10%, laser head 155 x 77 x 60 mm	2.533,00	2.716,59
RLTMBSL-480-20-10, 480 nm , 20 mW cw, stability <10%, laser head 155 x 77 x 60 mm	3.600,00	3.860,93
RLTMBSL-480-30-10, 480 nm , 30 mW cw, stability <10%, laser head 155 x 77 x 60 mm	4.213,00	4.518,36
RLTMBSL-480-50-10, 480 nm , 50 mW cw, stability <10%, laser head 235 x 99 x 94 mm	6.200,00	6.649,38
RLTMBSL-480-100-10, 480 nm , 100 mW cw, stability <10%, laser head 235 x 99 x 94 mm	7.733,00	8.293,49
RLTMBSL-480-150-10, 480 nm , 150 mW cw, stability <10%, laser head 235 x 99 x 94 mm	11.600,00	12.440,77
LASER SYSTEMS - CYAN		
CYAN LASER DIODE MODULES, RLTMDDL-488 series	EUR	USD
 <p>80-250 VAC power supply included available options: 1% stability, low noise, fibercoupling, adjustable power, modulation 488 nm</p>		
	1-9 pcs.	1-9 pcs.
RLTMDDL-488-20-3, 488 nm , 20 mW cw, stability <3%, laser head 141x46x73 mm	5.166,00	5.540,43
RLTMDDL-488-50-3, 488 nm , 50 mW cw, stability <3%, laser head 141x46x73 mm	7.233,00	7.757,25
RLTMDDL-488-100-3, 488 nm , 100 mW cw, stability <3%, laser head 141x46x73 mm	14.500,00	15.550,96
RLTMDDL-488-150-3, 488 nm , 200 mW cw, stability <3%, laser head 141x46x73 mm	15.413,00	16.530,13
CYAN DPSS LASERS, RLTMBSL-491 series	EUR	USD
 <p>80-250 VAC power supply included available options: fibercoupling, adjustable power 491 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMBSL-491-1-10, 491 nm , 1 mW cw, stability <10%, laser head 155 x 77 x 60 mm	3.600,00	3.860,93
RLTMBSL-491-2-10, 491 nm , 2 mW cw, stability <10%, laser head 155 x 77 x 60 mm	4.213,00	4.518,36
CYAN DPSS LASERS, RLTMBSL-500 series	EUR	USD

 <p>80-250 VAC power supply included available options: fibercoupling, adjustable power</p> <p>500.8 nm</p>		
RLTMGL-500-1-10, 500.8 nm, 1 mW cw, stability <10%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTMGL-500-2-10, 500.8 nm, 2 mW cw, stability <10%, laser head 141x46x73 mm	4.213,00	4.518,36
LASER SYSTEMS - GREEN		
GREEN LASER DIODE MODULES, RLTMGL-510 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation</p> <p>510 nm</p>		
RLTMGL-510-1-10, 510 nm, 10 mW cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.134,24
RLTMGL-510-20-5, 510 nm, 20 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMGL-510-30-5, 510 nm, 30 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.125,21
GREEN LASER DIODE MODULES, RLTMGL-514 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation</p> <p>514.5 nm</p>		
RLTMGL-514-10-5, 514 nm, 10 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.125,21
RLTMGL-514-20-5, 514 nm, 20 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTMGL-514-30-5, 514 nm, 30 mW cw, stability <5%, laser head 141x46x73 mm	3.929,00	4.213,77
GREEN DPSS LASERS, RLTMGL-515 series	EUR	USD
 <p>80-250 VAC power supply included available options: fibercoupling, adjustable power</p> <p>515 nm</p>		
RLTMGL-515-10-10, 515 nm, 10 mW cw, stability <10%, laser head 212x88x74 mm	2.533,00	2.716,59
RLTMGL-515-30-10, 515 nm, 30 mW cw, stability <10%, laser head 212x88x74 mm	3.600,00	3.860,93
RLTMGL-515-50-10, 515 nm, 50 mW cw, stability <10%, laser head 212x88x74 mm	4.213,00	4.518,36
RLTMGL-515-100-10, 515 nm, 100 mW cw, stability <10%, laser head 212x88x74 mm	7.233,00	7.757,25
GREEN DPSS LASERS, RLTMGL-N-515 series	EUR	USD
 <p>80-250 VAC power supply included available options: 5% stability, fibercoupling, adjustable power, modulation</p> <p>515 nm</p>		
RLTMGL-515-150-10, 515 nm, 150 mW cw, stability <10%, laser head 240x99x94 mm	9.667,00	10.367,66
RLTMGL-515-200-10, 515 nm, 200 mW cw, stability <10%, laser head 333x140x125 mm	11.600,00	12.440,77
RLTMGL-515-300-10, 515 nm, 300 mW cw, stability <10%, laser head 333x140x125 mm	13.533,00	14.513,87
RLTMGL-515-400-10, 515 nm, 400 mW cw, stability <10%, laser head 333x140x125 mm	14.507,00	15.558,47
RLTMGL-515-500-10, 515 nm, 500 mW cw, stability <10%, laser head 333x140x125 mm	16.320,00	17.502,87
GREEN LASER DIODE MODULES, RLTMGL-520 series	EUR	USD






 <p>80-250 VAC power supply included available options: 1% stability, low noise, fibercoupling, adjustable power, modulation 520 nm</p>		
	1-9 pcs.	1-9 pcs.
RLTMDL-520-100-3, 520 nm , 100 mW cw, stability <3%, laser head 141x46x73 mm	1.538,00	1.649,47
RLTMDL-520-300-3, 520 nm , 300 mW cw, stability <3%, laser head 141x46x73 mm	1.809,00	1.940,12
RLTMDL-520-500-3, 520 nm , 500 mW cw, stability <3%, laser head 141x46x73 mm	2.081,00	2.231,83
RLTMDL-520-1W-3, 520 nm , 1 W cw, stability <3%, laser head 141x46x73 mm	2.533,00	2.716,59
GREEN DPSS LASERS, RLTMGL-522 series	EUR	USD
 <p>80-250 VAC power supply included available options: 5% power stability, low noise, fibercoupling, adjustable power, single mode, Q-switched 522 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMGL-522-10-10, 522 nm , 10 mW cw, stability <10%, laser head 197x70x50mm	4.213,00	4.518,36
RLTMGL-522-30-10, 522 nm , 30 mW cw, stability <10%, laser head 197x70x50mm	5.167,00	5.541,50
RLTMGL-522-50-10, 522 nm , 50 mW cw, stability <10%, laser head 197x70x50mm	6.200,00	6.649,38
RLTMGL-522-80-10, 522 nm , 80 mW cw, stability <10%, laser head 197x70x50mm	7.733,00	8.293,49
RLTMGL-522-100-10, 522 nm , 100 mW cw, stability <10%, laser head 197x70x50mm	9.667,00	10.367,66
GREEN DPSS LASERS, RLTMGL-523 series	EUR	USD
 <p>80-250 VAC power supply included available options: 5% power stability, low noise, fibercoupling, adjustable power, single mode, Q-switched 523.5 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMGL-523-10-10, 523.5 nm , 10 mW cw, stability <10%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMGL-523-30-10, 523.5 nm , 30 mW cw, stability <10%, laser head 141x46x73 mm	2.880,00	3.088,74
RLTMGL-523-50-10, 523.5 nm , 50 mW cw, stability <10%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTMGL-523-100-10, 523.5 nm , 100 mW cw, stability <10%, laser head 141x46x73 mm	4.213,00	4.518,36
RLTMGL-523-300-10, 523.5 nm , 300 mW cw, stability <10%, laser head 240x99x94 mm	7.733,00	8.293,49
RLTMGL-523-500-10, 523.5 nm , 500 mW cw, stability <10%, laser head 240x99x94 mm	8.700,00	9.330,58
RLTMGL-523-800-10, 523.5 nm , 800 mW cw, stability <10%, laser head 240x99x94 mm	10.633,00	11.403,68
GREEN DPSS LASERS, RLTMGL-526 series	EUR	USD
 <p>80-250 VAC power supply included available options: 5% power stability, low noise, fibercoupling, adjustable power, single mode, Q-switched 526.5 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMGL-526-10-10, 526.5 nm , 10 mW cw, stability <10%, laser head 141x46x73 mm	2.714,00	2.910,71
RLTMGL-526-30-10, 526.5 nm , 30 mW cw, stability <10%, laser head 141x46x73 mm	2.914,00	3.125,21
RLTMGL-526-50-10, 526.5 nm , 50 mW cw, stability <10%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTMGL-526-100-10, 526.5 nm , 100 mW cw, stability <10%, laser head 141x46x73 mm	3.929,00	4.213,77
RLTMGL-526-200-10, 526.5 nm , 200 mW cw, stability <10%, laser head 141x46x73 mm	4.665,00	5.003,12
RLTMGL-526-300-10, 526.5 nm , 300 mW cw, stability <10%, laser head 240x99x94 mm	7.233,00	7.757,25
RLTMGL-526-500-10, 526.5 nm , 500 mW cw, stability <10%, laser head 240x99x94 mm	7.733,00	8.293,49
RLTMGL-526-1W-10, 526.5 nm , 1 W cw, stability <10%, laser head 240x99x94 mm	10.633,00	11.403,68
GREEN DPSS LASERS, RLTMGL-532 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% power stability, fibercoupling, adjustable power, modulation 532 nm</p>		
	1-3 pcs.	1-3 pcs.

RLTMGL-532-200-5, 532 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	1.067,00	1.144,34
RLTMGL-532-300-5, 532 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	1.333,00	1.429,62
RLTMGL-532-500-5, 532 nm , 500 mW cw, stability <5%, laser head 153x77x60 mm	1.520,00	1.630,17
RLTMGL-532-1W-5, 532 nm , 1 W cw, stability <5%, laser head 153x77x60 mm	2.027,00	2.173,92
RLTMGL-532-1.5W-5, 532 nm , 1.5 W cw, stability <5%, laser head 209x88x74 mm	2.533,00	2.716,59
RLTMGL-532-2W-5, 532 nm , 2 W cw, stability <5%, laser head 209x88x74 mm	2.880,00	3.088,74
RLTMGL-532-2.5W-5, 532 nm , 2.5 W cw, stability <5%, laser head 209x88x74 mm	3.600,00	3.860,93
RLTMGL-532-3W-5, 532 nm , 3 W cw, stability <5%, laser head 209x88x74 mm	4.213,00	4.518,36
GREEN DPSS LASERS, RLTMGL-532 HIGH POWER series	EUR	USD
 <p>80-250 VAC power supply included available options: stability 10%, 3%, 1%, fiber coupling, adjustable power, modulation 532 nm</p>	1-3 pcs.	1-3 pcs.
RLTMGL-532-5W-5, 532 nm , 5 W cw, stability <5%, laser head 240x99x94 mm	8.700,00	9.330,58
RLTMGL-532-8W-5, 532 nm , 8 W cw, stability <5%, laser head 333x140x125 mm	11.600,00	12.440,77
RLTMGL-532-10W-5, 532 nm , 10 W cw, stability <5%, laser head 333x140x125 mm	14.507,00	15.558,47
RLTMGL-532-15W-5, 532 nm , 15 W cw, stability <5%, laser head 333x140x125 mm	21.760,00	23.337,16
RLTMGL-532-20W-5, 532 nm , 20 W cw, stability <5%, laser head 333x140x125 mm	36.267,00	38.895,63
GREEN DPSS LOW NOISE LASERS, RLTMGL-532 series	EUR	USD
 <p>LOW NOISE 80-250 VAC power supply included available options: 3% and 1% power stability, fiber coupling 532 nm</p>	1-3 pcs.	1-3 pcs.
RLTMGL-532-200-5, 532 nm , 200 mW cw, stability <5%, noise <1%	1.280,40	1.373,20
RLTMGL-532-300-5, 532 nm , 300 mW cw, stability <5%, noise <1%	1.599,60	1.715,54
RLTMGL-532-500-5, 532 nm , 500 mW cw, stability <5%, noise <1%	1.824,00	1.956,20
RLTMGL-532-1W-5, 532 nm , 1 W cw, stability <5%, noise <1%	2.432,40	2.608,70
RLTMGL-532-1.5W-5, 532 nm , 1.5 W cw, stability <5%, noise <1%	3.039,60	3.259,91
RLTMGL-532-2W-5, 532 nm , 2 W cw, stability <5%, noise <1%	3.456,00	3.706,49
RLTMGL-532-2.5W-5, 532 nm , 2.5 W cw, stability <5%, noise <1%	4.320,00	4.633,11
RLTMGL-532-3W-5, 532 nm , 3 W cw, stability <5%, noise <1%	5.055,60	5.422,03
GREEN DPSS LOW NOISE LASERS, RLTMGL-532 HIGH POWER series	EUR	USD
 <p>80-250 VAC power supply included available options: stability, 3%, 1%, fiber coupling, adjustable power, modulation 532 nm</p>	1-3 pcs.	1-3 pcs.
RLTMGL-532-5W-5, 532 nm , 5 W cw, stability <5%, noise <1%	10.440,00	11.196,69
RLTMGL-532-8W-5, 532 nm , 8 W cw, stability <5%, noise <1%	13.920,00	14.928,92
RLTMGL-532-10W-5, 532 nm , 10 W cw, stability <5%, noise <1%	17.408,40	18.670,16
RLTMGL-532-15W-5, 532 nm , 15 W cw, stability <5%, noise <1%	26.112,00	28.004,60
RLTMGL-532-20W-5, 532 nm , 20 W cw, stability <5%, noise <1%	43.520,40	46.674,76
GREEN DPSS SINGLE LONGITUDINAL MODE LASERS, RLTMGL-532 series	EUR	USD
 <p>SINGLE LONGITUDINAL MODE 80-250 VAC power supply included available options: 3% and 1% power stability, fiber coupling 532 nm</p>	1-3 pcs.	1-3 pcs.
RLTMGL-532-50-5, 532 nm , 50 mW cw, stability <5%, noise <0.5%	2.533,00	2.716,59
RLTMGL-532-100-5, 532 nm , 100 mW cw, stability <5%, noise <0.5%	2.880,00	3.088,74
RLTMGL-532-200-5, 532 nm , 200 mW cw, stability <5%, noise <0.5%	4.213,00	4.518,36
RLTMGL-532-300-5, 532 nm , 300 mW cw, stability <5%, noise <0.5%	6.200,00	6.649,38
RLTMGL-532-500-5, 532 nm , 500 mW cw, stability <5%, noise <0.5%	9.667,00	10.367,66






RLTMSL-532-1W-5, 532 nm , 1000 mW cw, stability <5%, noise <0.5%	14.507,00	15.558,47
RLTMSL-532-2W-5, 532 nm , 2000 mW cw, stability <5%, noise <0.5%	16.320,00	17.502,87
RLTMSL-532-3W-5, 532 nm , 3000 mW cw, stability <5%, noise <0.5%	18.133,00	19.447,28
RLTMSL-532-5W-5, 532 nm , 5000 mW cw, stability <5%, noise <0.5%	25.387,00	27.227,05
GREEN Q-SWITCHED PULSED LASERS, RLTMPL-532 series	EUR	USD
 <p>Passively Q-switched Laser uncontrollable rep. rate 5-20kHz (unstable) options: - controllable rep. rate 1-4 kHz - 3% and 1% power stability</p> <p>532 nm passively Q-switched</p>	1-3 pcs.	1-3 pcs.
RLTMPL-532-10-5, 532 nm , 10mW avg., pulse length ~10ns, <5% stability	3.600,00	3.860,93
RLTMPL-532-20-5, 532 nm , 20 mW avg., pulse length ~10ns, <5% stability	4.213,00	4.518,36
RLTMPL-532-50-5, 532 nm , 50 mW avg., pulse length ~10ns, <5% stability	5.166,00	5.540,43
RLTMPL-532-100-5, 532 nm , 100 mW avg., pulse length ~10ns, <5% stability	6.200,00	6.649,38
RLTMPL-532-300-5, 532 nm , 300 mW avg., pulse length ~5ns, <5% stability	7.733,00	8.293,49
RLTMPL-532-500-5, 532 nm , 500 mW avg., pulse length ~5ns, <5% stability	8.700,00	9.330,58
RLTMPL-532-1W-5, 532 nm , 1 W mW avg., pulse length ~5ns, <5% stability	9.667,00	10.367,66
RLTMPL-532-2W-5, 532 nm , 2 W mW avg., pulse length ~5ns, <5% stability	11.600,00	12.440,77
RLTMPL-532-3W-5, 532 nm , 3 W mW avg., pulse length ~5ns, <5% stability	14.507,00	15.558,47
GREEN DPSS PASSIVELY Q-SWITCHED LASERS, RLTMPL-532SP series	EUR	USD
 <p>Passively Q-switched short pulse Laser uncontrollable rep. rate 5-7kHz (unstable) options: - controllable rep. rate 1-4 kHz - 5% and 3% power stability</p> <p>532 nm passively Q-switched</p>	1-3 pcs.	1-3 pcs.
RLTMPL-532SP-3UJ-10, 532 nm , 3 µJ, ~1.3 ns pulse, <10% stability, 80-250VAC	7.733,00	8.293,49
RLTMPL-532SP-5UJ-10, 532 nm , 5 µJ, ~1.3 ns pulse, <10% stability, 80-250VAC	8.700,00	9.330,58
RLTMPL-532SP-10UJ-10, 532 nm , 10 µJ, ~1.3 ns pulse, <10% stability, 80-250VAC	11.600,00	12.440,77
RLTMPL-532SP-20UJ-10, 532 nm , 20 µJ, ~1.3 ns pulse, <10% stability, 80-250VAC	13.533,00	14.513,87
RLTMPL-532SP-30UJ-10, 532 nm , 30 µJ, ~1.3 ns pulse, <10% stability, 80-250VAC	14.507,00	15.558,47
GREEN DPSS AOM Q-SWITCHED PULSED LASERS, RLTAOL-532 series	EUR	USD
 <p>AOM (Acusto-Optic Modulation) Q-switched Laser 1 - 50 kHz, adjustable Option: 5%, 3%, 1% power stability, 1-200 kHz 80-250 VAC power supply included</p> <p>532 nm AOM Q-switched</p>	1-3 pcs.	1-3 pcs.
RLTAOL-532-100-10, 532 nm , 100 mW @ 10 kHz, 10µJ, 8-15 ns pulse, <10% stability	9.667,00	10.367,66
RLTAOL-532-300-10, 532 nm , 300 mW @ 10 kHz, 30 µJ, 8-15 ns pulse, <10% stability	11.600,00	12.440,77
RLTAOL-532-500-10, 532 nm , 500 mW @ 10 kHz, 50 µJ, 8-15 ns pulse, <10% stability	13.533,00	14.513,87
RLTAOL-532-1W-10, 532 nm , 1 W @ 10 kHz, 100 µJ, 5-30 ns pulse, <10% stability	14.507,00	15.558,47
RLTAOL-532-2W-10, 532 nm , 2 W @ 10 kHz, 200 µJ, 5-30 ns pulse, <10% stability	18.133,00	19.447,28
GREEN DPSS LASERS, RLTMGL-543 series	EUR	USD
 <p>80-250 VAC power supply included available options: 5% and 3% power stability, fibercoupling, adjustable power, modulation, low noise</p> <p>543 nm</p>	1-3 pcs.	1-3 pcs.
RLTMGL-543-30-10, 543 nm , 30 mW cw, stability <10%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMGL-543-50-10, 543 nm , 50 mW cw, stability <10%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTMGL-543-100-10, 543 nm , 100 mW cw, stability <10%, laser head 141x46x73 mm	4.213,00	4.518,36
RLTMGL-543-200-10, 543 nm , 200 mW cw, stability <10%, laser head 235x99x94 mm	6.200,00	6.649,38
RLTMGL-543-500-10, 543 nm , 500 mW cw, stability <10%, laser head 235x99x94 mm	9.667,00	10.367,66
RLTMGL-543-1W-10, 543 nm , 1 W cw, stability <10%, laser head 235x99x94 mm	13.533,00	14.513,87

RLTMGL-543-1.5W-10, 543 nm , 1.5 W cw, stability <10%, laser head 235x99x94 mm	14.507,00	15.558,47
GREEN DPSS LASERS, RLTMGL-556 series	EUR	USD
 <p>80-250 VAC power supply included available options: 5% power stability, low noise, fibercoupling, adjustable power, modulation 556 nm</p>	1-3 pcs.	1-3 pcs.
RLTMGL-556-50-10, 556 nm , 50 mW cw, stability <10%, laser head 197x70x50 mm	2.880,00	3.088,74
RLTMGL-556-100-10, 556 nm , 100 mW cw, stability <10%, laser head 197x70x50 mm	4.213,00	4.518,36
RLTMGL-556-200-10, 556 nm , 200 mW cw, stability <10%, laser head 197x70x50 mm	5.167,00	5.541,50
RLTMGL-556-500-10, 556 nm , 500 mW cw, stability <10%, laser head 235x99x94 mm	8.700,00	9.330,58
RLTMGL-556-1W-10, 556 nm , 1 W cw, stability <10%, laser head 235x99x94 mm	11.600,00	12.440,77
RLTMGL-556-2W-10, 556 nm , 2 W cw, stability <10%, laser head 333x140x125 mm	16.320,00	17.502,87
GREEN DPSS LASERS, RLTMGL-561 series	EUR	USD
 <p>80-250 VAC power supply included available options: low noise, fibercoupling, adjustable power 561 nm</p>	1-3 pcs.	1-3 pcs.
RLTMGL-561-10-5, 561 nm , 10 mW cw, stability <5%, laser head 197x70x50 mm	2.533,00	2.716,59
RLTMGL-561-30-5, 561 nm , 30 mW cw, stability <5%, laser head 197x70x50 mm	2.880,00	3.088,74
RLTMGL-561-50-5, 561 nm , 50 mW cw, stability <5%, laser head 197x70x50 mm	3.600,00	3.860,93
RLTMGL-561-100-5, 561 nm , 100 mW cw, stability <5%, laser head 197x70x50 mm	5.167,00	5.541,50
RLTMGL-561-200-5, 561 nm , 200 mW cw, stability <5%, laser head 197x70x50 mm	7.233,00	7.757,25
RLTMGL-561-300-5, 561 nm , 300 mW cw, stability <5%, laser head 235x99x94 mm	8.700,00	9.330,58
RLTMGL-561-500-5, 561 nm , 500 mW cw, stability <5%, laser head 235x99x94 mm	10.633,00	11.403,68
RLTMGL-561-1W-5, 561 nm , 1 W cw, stability <5%, laser head 235x99x94 mm	15.413,00	16.530,13
RLTMGL-561-2W-5, 561 nm , 2 W cw, stability <5%, laser head 333x140x125 mm	18.133,00	19.447,28
GREEN DPSS LASERS, RLTMGL-561 series	EUR	USD
 <p>LOW NOISE (noise of amplitude <1%) 80-250 VAC power supply included available options: <3% and <1% power stability, fibercoupling 561 nm</p>	1-3 pcs.	1-3 pcs.
RLTMGL-561-10-5, 561 nm , 10 mW cw, stability <5%, noise <1%	3.772,00	4.045,39
RLTMGL-561-30-5, 561 nm , 30 mW cw, stability <5%, noise <1%	4.033,00	4.325,31
RLTMGL-561-50-5, 561 nm , 50 mW cw, stability <5%, noise <1%	4.665,00	5.003,12
RLTMGL-561-100-5, 561 nm , 100 mW cw, stability <5%, noise <1%	6.643,00	7.124,48
RLTMGL-561-200-5, 561 nm , 200 mW cw, stability <5%, noise <1%	8.148,00	8.738,57
LASER SYSTEMS - YELLOW		
YELLOW DPSS LASERS, RLTMGL-589 series	EUR	USD
 <p>80-250 VAC power supply included available options: <5% and <3% power stability, fibercoupling, adjustable power 589 nm</p>	1-3 pcs.	1-3 pcs.
RLTMGL-589-10-10, 589 nm , 10 mW cw, stability <10%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMGL-589-30-10, 589 nm , 30 mW cw, stability <10%, laser head 141x46x73 mm	2.880,00	3.088,74
RLTMGL-589-50-10, 589 nm , 50 mW cw, stability <10%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTMGL-589-100-10, 589 nm , 100 mW cw, stability <10%, laser head 212x88x74 mm	5.167,00	5.541,50
RLTMGL-589-200-10, 589 nm , 200 mW cw, stability <10%, laser head 212x88x74 mm	6.200,00	6.649,38
YELLOW DPSS LASERS, RLTMGL-589 series HIGH POWER	EUR	USD

 <p>80-250 VAC power supply included available options: <5% and <3% stability, low noise, fibercoupling, adjustable power 589 nm</p>	1-3 pcs.	1-3 pcs.
RLTMGL-589-300-10, 589 nm , 300 mW cw, stability <10%, laser head 235 x 99 x 94 mm	7.233,00	7.757,25
RLTMGL-589-500-10, 589 nm , 500 mW cw, stability <10%, laser head 235 x 99 x 94 mm	7.733,00	8.293,49
RLTMGL-589-1W-10, 589 nm , 1 W cw, stability <10%, laser head 333 x 140 x 125 mm	11.600,00	12.440,77
RLTMGL-589-2W-10, 589 nm , 2 W cw, stability <10%, laser head 333 x 140 x 125 mm	14.500,00	15.550,96
RLTMGL-589-3W-10, 589 nm , 3 W cw, stability <10%, laser head 333 x 140 x 125 mm	16.320,00	17.502,87
YELLOW DPSS LASERS, RLTMGL-593.5 series	EUR	USD
 <p>80-250 VAC power supply included available options: 5% and 3% power stability, low noise, fibercoupling, adjustable power 593.5 nm</p>	1-3 pcs.	1-3 pcs.
RLTMGL-593-10-10, 593.5 nm , 10 mW cw, stability <10%, laser head 141x46x73 mm	2.027,00	2.173,92
RLTMGL-593-30-10, 593.5 nm , 30 mW cw, stability <10%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTMGL-593-50-10, 593.5 nm , 50 mW cw, stability <10%, laser head 212x74x88 mm	3.960,00	4.247,02
RLTMGL-593-100-10, 593.5 nm , 100 mW cw, stability <10%, laser head 212x74x88 mm	4.635,00	4.970,94
YELLOW DPSS LASERS, RLTMGL-593.5 series HIGH POWER	EUR	USD
 <p>80-250 VAC power supply included available options: 5% and 3% power stability, low noise, fibercoupling, adjustable power 593.5 nm</p>	1-3 pcs.	1-3 pcs.
RLTMGL-593-200-10, 593.5 nm , 200 mW cw, stability <10%, laser head 235x99x94 mm	7.733,00	8.293,49
RLTMGL-593-500-10, 593.5 nm , 500 mW cw, stability <10%, laser head 333x125x140 mm	13.533,00	14.513,87
RLTMGL-593-800-10, 593.5 nm , 800 mW cw, stability <10%, laser head 333x125x140 mm	16.320,00	17.502,87
<h2>LASER SYSTEMS - ORANGE</h2>		
ORANGE DPSS LASERS, RLTMRL-604 series	EUR	USD
 <p>80-250 VAC power supply included available options: 5% and 3% power stability, low noise, fibercoupling, adjustable power 604 nm</p>	1-3 pcs.	1-3 pcs.
RLTMRL-604-10-5, 604 nm , 10 mW cw, stability <5%, laser head 197x70x50 mm	4.213,00	4.518,36
RLTMRL-604-30-5, 604 nm , 30 mW cw, stability <5%, laser head 197x70x50 mm	5.167,00	5.541,50
RLTMRL-604-50-5, 604 nm , 50 mW cw, stability <5%, laser head 197x70x50 mm	6.200,00	6.649,38
ORANGE DPSS LASERS, RLTMRL-607 series	EUR	USD
 <p>80-250 VAC power supply included available options: 5% and 3% power stability, low noise, fibercoupling, adjustable power 607 nm</p>	1-3 pcs.	1-3 pcs.
RLTMRL-607-30-5, 607 nm , 30 mW cw, stability <5%, laser head 197x70x50 mm	4.213,00	4.518,36
RLTMRL-607-50-5, 607 nm , 50 mW cw, stability <5%, laser head 197x70x50 mm	5.167,00	5.541,50
RLTMRL-607-80-5, 607 nm , 80 mW cw, stability <5%, laser head 197x70x50 mm	6.200,00	6.649,38
RLTMRL-607-100-5, 607 nm , 100 mW cw, stability <5%, laser head 197x70x50 mm	7.733,00	8.293,49
RLTMRL-607-200-5, 607 nm , 200 mW cw, stability <5%, laser head 197x70x50 mm	11.600,00	12.440,77
RLTMRL-607-300-5, 607 nm , 300 mW cw, stability <5%, laser head 197x70x50 mm	14.507,00	15.558,47
ORANGE LASER DIODE MODULES, RLTMRL-622 series	EUR	USD







 <p>80-250 VAC power supply included square beam profile available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation 622 nm</p>	1-3 pcs.	1-3 pcs.
RLTMRL-622-10-5, 622 nm , 10 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTMRL-622-20-5, 622 nm , 20 mW cw, stability <5%, laser head 141x46x73 mm	3.229,00	3.463,04
RLTMRL-622-30-5, 622 nm , 30 mW cw, stability <5%, laser head 141x46x73 mm	4.665,00	5.003,12
RLTMRL-622-50-5, 622 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	5.167,00	5.541,50
ORANGE LASER DIODE MODULES, RLTMRL-627 series	EUR	USD
 <p>80-250 VAC power supply included near TEM00 beam profile available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation 627 nm</p>	1-3 pcs.	1-3 pcs.
RLTMRL-627-10-5, 627 nm , 10 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.125,21
RLTMRL-627-30-5, 627 nm , 30 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTMRL-627-50-5, 627 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	3.929,00	4.213,77
RLTMRL-627-80-5, 627 nm , 80 mW cw, stability <5%, laser head 141x46x73 mm	4.665,00	5.003,12
RLTMRL-627-100-5, 627 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	5.167,00	5.541,50
LASER SYSTEMS - RED		
RED LASER DIODE MODULES, RLTMRL-633 series	EUR	USD
 <p>80-250 VAC power supply included near TEM00 beam profile available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation 633 nm</p>	1-3 pcs.	1-3 pcs.
RLTMRL-633-20-5, 633 nm , 20 mW cw, stability <5%, laser head 141x46x73 mm	1.048,00	1.123,96
RLTMRL-633-50-5, 633 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	1.333,00	1.429,62
RLTMRL-633-100-5, 633 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.134,24
RED LASER DIODE MODULES, RLTMRL-635 series	EUR	USD
 <p>80-250 VAC power supply included square beam profile available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation 635 nm</p>	1-3 pcs.	1-3 pcs.
RLTMRL-635-300-5, 635 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	733,00	786,13
RLTMRL-635-500-5, 635 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	1.048,00	1.123,96
RLTMRL-635-800-5, 635 nm , 800 mW cw, stability <5%, laser head 180x86x65 mm	1.990,00	2.134,24
RED ROUND SPOT LASER DIODE MODULES, RLTMRL-635R series	EUR	USD
 <p>80-250 VAC power supply included round spot beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation 635 nm ROUND SPOT</p>	1-3 pcs.	1-3 pcs.
RLTMRL-635R-50-5, 635 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMRL-635R-100-5, 635 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.125,21
RLTMRL-635R-150-5, 635 nm , 150 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
RED LASER DIODE MODULES, RLTMRL-637 series	EUR	USD

 <p>80-250 VAC power supply included square beam profile available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation 637 nm</p>		
RLTMRL-637-100-5, 637 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	1.048,00	1.123,96
RLTMRL-637-200-5, 637 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	1.333,00	1.429,62
RED DPSS LASERS, RLTMRL-639 series	EUR	USD
 <p>80-250 VAC power supply included available options: 5% and 3% power stability, low noise, fibercoupling, adjustable power</p>		
RLTMRL-639-50-5, 639 nm , 50 mW cw, stability <5%, laser head 197x70x50 mm	3.929,00	4.213,77
RLTMRL-639-100-5, 639 nm , 100 mW cw, stability <5%, laser head 197x70x50 mm	4.665,00	5.003,12
RLTMRL-639-300-5, 639 nm , 300 mW cw, stability <5%, laser head 197x70x50 mm	5.167,00	5.541,50
RLTMRL-639-500-5, 639 nm , 500 mW cw, stability <5%, laser head 197x70x50 mm	6.200,00	6.649,38
RLTMRL-639-700-5, 639 nm , 700 mW cw, stability <5%, laser head 197x70x50 mm	7.233,00	7.757,25
RED LASER DIODE MODULES, RLTMRL-640 series	EUR	USD
 <p>80-250 VAC power supply included round spot beam profile available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation 640 nm</p>		
RLTMRL-640-100-5, 640 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	900,00	965,23
RLTMRL-640-200-5, 640 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	1.333,00	1.429,62
RED LASER DIODE MODULES, RLTMRL-655 series	EUR	USD
 <p>80-250 VAC power supply included square beam profile available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation 655 nm</p>		
RLTMRL-655-500-5, 655 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	900,00	965,23
RLTMRL-655-1W-5, 655 nm , 1 W cw, stability <5%, laser head 141x46x73 mm	1.538,00	1.649,47
RED ROUND SPOT LASER DIODE MODULES, RLTMRL-655R series	EUR	USD
 <p>80-250 VAC power supply included round spot beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation 655 nm</p>		
RLTMRL-655R-50-5, 655 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.134,24
RLTMRL-655R-100-5, 655 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMRL-655R-200-5, 655 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
RED DPSS LASERS, RLTMRL-656 series	EUR	USD
 <p>80-250 VAC power supply included available options: 5% and 3% power stability, fibercoupling, adjustable power, Q-switched 656.5 nm</p>		
RLTMRL-656-20-10, 656.5 nm , 20 mW cw, stability <10%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMRL-656-30-10, 656.5 nm , 30 mW cw, stability <10%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTMRL-656-50-10, 656.5 nm , 50 mW cw, stability <10%, laser head 141x46x73 mm	4.213,00	4.518,36

RLTMRL-656-100-10, 660 nm , 200 mW cw, stability <10%, laser head 235x99x94 mm	5.167,00	5.541,50
RLTMRL-656-200-10, 656 nm , 200 mW cw, stability <10%, laser head 235x99x94 mm	5.905,00	6.332,99
RLTMRL-656-500-10, 660 nm , 500 mW cw, stability <10%, laser head 235x99x94 mm	10.633,00	11.403,68
RLTMRL-656-1W-10, 660 nm , 1 W cw, stability <10%, laser head 235x99x94 mm	14.500,00	15.550,96
RED LASER DIODE MODULES, RLTMRL-660D series	EUR	USD
 <p>80-250 VAC power supply included square beam profile available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation 660 nm</p>	1-3 pcs.	1-3 pcs.
RLTMRL-660D-500-5, 660 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	900,00	965,23
RLTMRL-660D-1W-5, 660 nm , 1 W cw, stability <5%, laser head 141x46x73 mm	1.538,00	1.649,47
RED ROUND SPOT LASER DIODE MODULES, RLTMRL-660RD series	EUR	USD
 <p>80-250 VAC power supply included round spot beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation 660 nm</p>	1-3 pcs.	1-3 pcs.
RLTMRL-660RD-50-5, 660 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.134,24
RLTMRL-660RD-100-5, 660 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMRL-660RD-200-5, 660 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
RED DPSS LASERS, RLTMRL-660 series	EUR	USD
 <p>80-250 VAC power supply included available options: 5% power stability, low noise, fibercoupling, adjustable power, Q-switched 660 nm</p>	1-3 pcs.	1-3 pcs.
RLTMRL-660-30-10, 660 nm , 30 mW cw, stability <10%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMRL-660-50-10, 660 nm , 50 mW cw, stability <10%, laser head 141x46x73 mm	2.880,00	3.088,74
RLTMRL-660-100-10, 660 nm , 100 mW cw, stability <10%, laser head 141x46x73 mm	3.960,00	4.247,02
RLTMRL-660-200-10, 660 nm , 200 mW cw, stability <10%, laser head 235x99x94 mm	5.167,00	5.541,50
RLTMRL-660-300-10, 660 nm , 300 mW cw, stability <10%, laser head 235x99x94 mm	5.905,00	6.332,99
RLTMRL-660-500-10, 660 nm , 500 mW cw, stability <10%, laser head 235x99x94 mm	7.233,00	7.757,25
RLTMRL-660-1W-10, 660 nm , 1000 mW cw, stability <10%, laser head 333x140x125 mm	10.633,00	11.403,68
RLTMRL-660-2W-10, 660 nm , 2000 mW cw, stability <10%, laser head 333x140x125 mm	14.507,00	15.558,47
RED DPSS LASERS, RLTMRL-671 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% power stability, temperature stabilized, modulation, fibercoupling, adjustable power 671 nm</p>	1-3 pcs.	1-3 pcs.
RLTMRL-671-50-5, 671 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	900,00	965,23
RLTMRL-671-100-5, 671 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	1.000,00	1.072,48
RLTMRL-671-200-5, 671 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	1.333,00	1.429,62
RLTMRL-671-500-5, 671 nm , 500 mW cw, stability <5%, laser head 197x70x50 mm	3.429,00	3.677,53
RLTMRL-671-1W-5, 671 nm , 1000 mW cw, stability <5%, laser head 197x70x50 mm	4.514,00	4.841,17
RED DPSS LASERS, RLTMRL-671 HIGH POWER series	EUR	USD
 <p>80-250 VAC power supply included available options: 5%, 3% and 1% power stability, temperature stabilized, modulation, fibercoupling, adjustable power 671 nm</p>	1-3 pcs.	1-3 pcs.
RLTMRL-671-2W-5, 671 nm , 2 W cw, stability <5%, laser head 240x99x94 mm	5.905,00	6.332,99



RLTMRL-671-3W-5, 671 nm , 3 W cw, stability <5%, laser head 240x99x94 mm	8.286,00	8.886,57
RLTMRL-671-4W-5, 671 nm , 4 W cw, stability <5%, laser head 333x140x125 mm	14.507,00	15.558,47
RLTMRL-671-5W-5, 671 nm , 5 W cw, stability <5%, laser head 333x140x125 mm	18.133,00	19.447,28
RED DPSS LASERS, RLTMLL-671 series	EUR	USD
 <p>LOW NOISE (noise of amplitude <1%) 80-250 VAC power supply included available options: 3% and 1% power stability, fibercoupling 671 nm</p>	1-3 pcs.	1-3 pcs.
RLTMLL-671-100-5, 671 nm , 100 mW cw, stability <5%, laser head 197x70x50 mm	2.714,00	2.910,71
RLTMLL-671-200-5, 671 nm , 200 mW cw, stability <5%, laser head 197x70x50 mm	3.257,00	3.493,07
RLTMLL-671-500-5, 671 nm , 500 mW cw, stability <5%, laser head 197x70x50 mm	5.144,00	5.516,84
RLTMLL-671-1W-5, 671 nm , 1000 mW cw, stability <5%, laser head 209x88x74 mm	6.771,00	7.261,76
RED DPSS LASERS, RLTMLL-671 HIGH POWER series	EUR	USD
 <p>LOW NOISE (noise of amplitude <1%) 80-250 VAC power supply included available options: 3% and 1% power stability, fibercoupling 671 nm</p>	1-3 pcs.	1-3 pcs.
RLTMLL-671-2W-10, 671 nm , 2 W cw, stability <10%, laser head 245x99x94 mm	8.858,00	9.500,03
RLTMLL-671-3W-10, 671 nm , 3 W cw, stability <10%, laser head 245x99x94 mm	12.429,00	13.329,85
RLTMLL-671-4W-10, 671 nm , 4 W cw, stability <10%, laser head 333x140x125 mm	21.761,00	23.338,24
RLTMLL-671-5W-10, 671 nm , 5 W cw, stability <10%, laser head 333x140x125 mm	27.200,00	29.171,46
RED DPSS SINGLE LONGITUDINAL MODE LASERS, RLTMSS-671 series	EUR	USD
 <p>SINGLE LONGITUDINAL MODE 80-250 VAC power supply included available options: 3% power stability, fibercoupling 671 nm</p>	1-3 pcs.	1-3 pcs.
RLTMSS-671-30-5, 671 nm , 30 mW cw, stability <5%, noise <0.5%	3.600,00	3.860,93
RLTMSS-671-50-5, 671 nm , 50 mW cw, stability <5%, noise <0.5%	4.213,00	4.518,36
RLTMSS-671-100-5, 671 nm , 100 mW cw, stability <5%, noise <0.5%	5.167,00	5.541,50
RLTMSS-671-200-5, 671 nm , 200 mW cw, stability <5%, noise <0.5%	7.233,00	7.757,25
RLTMSS-671-400-5, 671 nm , 400 mW cw, stability <5%, noise <0.5%	10.633,00	11.403,68
RED LASER DIODE MODULES, RLTMRL-680 series	EUR	USD
 <p>80-250 VAC power supply included square beam profile available options: 3% and 1% stability, low noise, fibercoupling, adjustable power 680 nm</p>	1-3 pcs.	1-3 pcs.
RLTMRL-680-300-5, 680 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.134,24
RLTMRL-680-500-5, 680 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMRL-680-1W-5, 680 nm , 1 W cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
RED ROUND SPOT LASER DIODE MODULES, RLTMRL-680R series	EUR	USD
 <p>80-250 VAC power supply included round beam profile available options: 3% and 1% stability, low noise, fibercoupling, adjustable power 680 nm</p>	1-3 pcs.	1-3 pcs.
RLTMRL-680R-50-5, 680 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.125,21
RLTMRL-680R-100-5, 680 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTMRL-680R-200-5, 690 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	4.213,00	4.518,36
RED LASER DIODE MODULES, RLTM DL-685 series	EUR	USD


 <p>80-250 VAC power supply included near TEM00 beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation</p> <p>685 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMDL-685-10-5, 685 nm , 10 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMDL-685-20-5, 685 nm , 20 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.125,21
RED LASER DIODE MODULES, RLTMRL-690 series	EUR	USD
 <p>80-250 VAC power supply included square beam profile available options: 3% and 1% stability, low noise, fibercoupling, adjustable power</p> <p>690 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMRL-690-300-5, 690 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.134,24
RLTMRL-690-500-5, 690 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMRL-690-1W-5, 690 nm , 1 W cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
RED ROUND SPOT LASER DIODE MODULES, RLTMRL-690R series	EUR	USD
 <p>80-250 VAC power supply included round spot beam profile available options: 3% and 1% stability, fibercoupling, adjustable power</p> <p>690 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMRL-690R-50-5, 690 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.125,21
RLTMRL-690R-100-5, 690 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTMRL-690R-200-5, 690 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	4.213,00	4.518,36
LASER SYSTEMS - IR		
INFRARED LASER DIODE MODULES, RLTMDL-705 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, modulation</p> <p>705 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMDL-705-10-5, 705 nm , 10 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMDL-705-20-5, 705 nm , 20 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.125,21
RLTMDL-705-25-5, 705 nm , 25 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
INFRARED DIODE PUMPED LASER MODULES - RLTMRL-721 series	EUR	USD
 <p>80-250 VAC power supply included available options: 5% and 3% stability, fibercoupling, adjustable power, modulation</p> <p>721 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMRL-721-30-10, 721 nm , 30 mW cw, stability <10%, laser head 155x77x60 mm	3.600,00	3.860,93
RLTMRL-721-50-10, 721 nm , 50 mW cw, stability <10%, laser head 155x77x60 mm	4.213,00	4.518,36
RLTMRL-721-100-10, 721 nm , 100 mW cw, stability <10%, laser head 155x77x60 mm	5.167,00	5.541,50
RLTMRL-721-200-10, 721 nm , 200 mW cw, stability <10%, laser head 155x77x60 mm	6.200,00	6.649,38
RLTMRL-721-500-10, 721 nm , 500 mW cw, stability <10%, laser head 155x77x60 mm	7.733,00	8.293,49
INFRARED LASER DIODE MODULES, RLTMDL-730 series	EUR	USD




 <p>80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, modulation</p> <p>730 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMDL-730-10-5, 730 nm , 10 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMDL-730-20-5, 730 nm , 20 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.125,21
RLTMDL-730-30-5, 730 nm , 30 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
INFRARED LASER DIODE MODULES, RLTMDL-750 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation, round spot</p> <p>750 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMDL-750-500-5, 750 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTMDL-750-1W-5, 750 nm , 1 W cw, stability <5%, laser head 141x46x73 mm	3.929,00	4.213,77
RLTMDL-750-2W-5, 750 nm , 2 W cw, stability <5%, laser head 141x46x73 mm	5.167,00	5.541,50
INFRARED LASER DIODE MODULES, RLTMDL-785 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation, round spot</p> <p>785 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMDL-785-500-5, 785 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	1.333,00	1.429,62
RLTMDL-785-1W-5, 785 nm , 1 W cw, stability <5%, laser head 141x46x73 mm	1.538,00	1.649,47
RLTMDL-785-2W-5, 785 nm , 2 W cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RED ROUND SPOT LASER DIODE MODULES, RLTMDL-785R series	EUR	USD
 <p>80-250 VAC power supply included round spot beam profile available options: 3% and 1% stability, fibercoupling, adjustable power</p> <p>785 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMDL-785R-100-5, 785 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.134,24
RLTMDL-785R-200-5, 785 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMDL-785R-300-5, 785 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.125,21
INFRARED LASER DIODE MODULES, RLTMFC-785D series	EUR	USD
 <p>80-250 VAC power supply included spectrum stabilized, narrow linewidth for Raman Spectroscopy applications available options: modulation 0-200 kHz</p>		
	1-3 pcs.	1-3 pcs.
RLTMFC-785D-350-3, 785±0.3nm , 350 mW cw, stability <3%, fiber coupled	2.714,00	2.910,71
RLTMFC-785D-500-3, 785±0.3nm , 500 mW cw, stability <3%, fiber coupled	3.085,00	3.308,60
INFRARED LASER DIODE MODULES, RLTMDL-785L series	EUR	USD
 <p>80-250 VAC power supply included wavelength locked available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation</p> <p>785 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMDL-785L-350-5, 785±0.3nm , 350 mW cw, stability <5%, laser head 141x46x73 mm	2.352,00	2.522,47






RLTMDL-785L-500-5, 785±0.3nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	2.714,00	2.910,71
RLTMDL-785L-600-5, 785±0.3nm , 600 mW cw, stability <5%, laser head 141x46x73 mm	3.085,00	3.308,60
INFRARED LASER DIODE MODULES, RLTMDL-793 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation, round spot 793 nm</p>	1-3 pcs.	1-3 pcs.
RLTMDL-793-500-5, 793 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	1.538,00	1.649,47
RLTMDL-793-1W-5, 793 nm , 1 W cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.134,24
RLTMDL-793-2W-5, 793 nm , 2 W cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.125,21
RLTMDL-793-3W-5, 793 nm , 3 W cw, stability <5%, laser head 155x77x60 mm	4.213,00	4.518,36
RLTMDL-793-5W-5, 793 nm , 5 W cw, stability <5%, laser head 155x77x60 mm	6.200,00	6.649,38
INFRARED LASER DIODE MODULES, RLTMDL-800 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation, round spot 800 nm</p>	1-3 pcs.	1-3 pcs.
RLTMDL-800-1W-5, 800 nm , 1 W cw, stability <5%, laser head 155x77x60 mm	1.809,00	1.940,12
RLTMDL-800-2W-5, 800 nm , 2 W cw, stability <5%, laser head 155x77x60 mm	2.352,00	2.522,47
RLTMDL-800-2.5W-5, 800 nm , 2.5 W cw, stability <5%, laser head 155x77x60 mm	2.914,00	3.125,21
INFRARED LASER DIODE MODULES, RLTMDL-800R series	EUR	USD
 <p>80-250 VAC power supply included round spot beam profile available options: 3% and 1% stability, fibercoupling, adjustable power 800 nm</p>	1-3 pcs.	1-3 pcs.
RLTMDL-800R-100-5, 800 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMDL-800R-300-5, 800 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.125,21
RLTMDL-800R-500-5, 800 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
INFRARED LASER DIODE MODULES, RLTMDL-808 series	EUR	USD
 <p>80-250 VAC power supply included square beam available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation, round spot 808 nm</p>	1-3 pcs.	1-3 pcs.
RLTMDL-808-500-5, 808 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	1.047,00	1.122,89
RLTMDL-808-1W-5, 808 nm , 1 W cw, stability <5%, laser head 141x46x73 mm	1.238,00	1.327,73
RLTMDL-808-2.5W-5, 808 nm , 2.5 W cw, stability <5%, laser head 141x46x73 mm	1.333,00	1.429,62
RLTMDL-808-5W-5, 808 nm , 5 W cw, stability <5%, laser head 155x77x60 mm	1.538,00	1.649,47
RLTMDL-808-8W-5, 808 nm , 8 W cw, stability <5%, laser head 235x99x94 mm	1.991,00	2.135,31
RLTMDL-808-10W-5, 808 nm , 10 W cw, stability <5%, laser head 235x99x94 mm	2.261,00	2.424,88
INFRARED LASER DIODE MODULES, RLTMDL-808R series	EUR	USD
 <p>80-250 VAC power supply included round spot beam profile available options: 3% and 1% stability, fibercoupling, adjustable power 808 nm</p>	1-3 pcs.	1-3 pcs.
RLTMDL-808R-200-5, 808 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMDL-808R-300-5, 808 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.125,21
RLTMDL-808R-500-5, 808 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93




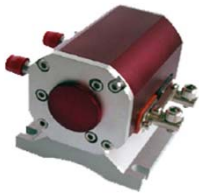
FIBER COUPLED HIGH POWER DIODE LASERS, RLTMFC-808 series		EUR	USD
	<p>100-240 VAC power supply integrated 400µm fiber, 0.22 NA, SMA905 connector cw or pulse operation pulse width, time period, timer adjustable air cooled 808nm</p>	1-3 pcs.	1-3 pcs.
RLTMFC-808-20W-5, 808 nm , 20 W cw, stability <5%, laser unit 314x290x134 mm		4.576,00	4.907,67
RLTMFC-808-30W-5, 808 nm , 30 W cw, stability <5%, laser unit 314x290x134 mm		5.167,00	5.541,50
RLTMFC-808-40W-5, 808 nm , 30 W cw, stability <5%, laser unit 314x290x134 mm		6.200,00	6.649,38
RLTMFC-808-50W-5, 808 nm , 50 W cw, stability <5%, laser unit 314x290x134 mm		7.233,00	7.757,25
INFRARED LASER DIODE MODULES, RLTMDL-825 series		EUR	USD
	<p>80-250 VAC power supply included square beam profile available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation 825 nm</p>	1-3 pcs.	1-3 pcs.
RLTMDL-825-500-5, 825 nm , 500 mW cw, stability <5%, laser head 155x77x60 mm		1.538,00	1.649,47
RLTMDL-825-1W-5, 825 nm , 1 W cw, stability <5%, laser head 155x77x60 mm		1.990,00	2.134,24
RLTMDL-825-2W-5, 825 nm , 2 W cw, stability <5%, laser head 155x77x60 mm		2.914,00	3.125,21
INFRARED LASER DIODE MODULES, RLTMDL-830 series		EUR	USD
	<p>80-250 VAC power supply included square beam profile available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation 830 nm</p>	1-3 pcs.	1-3 pcs.
RLTMDL-830-500-5, 830 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm		1.538,00	1.649,47
RLTMDL-830-1W-5, 830 nm , 1 W cw, stability <5%, laser head 141x46x73 mm		1.990,00	2.134,24
RLTMDL-830-2W-5, 830 nm , 2 W cw, stability <5%, laser head 141x46x73 mm		2.914,00	3.125,21
INFRARED LASER DIODE MODULES, RLTMDL-830R series		EUR	USD
	<p>80-250 VAC power supply included round beam profile available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation 830 nm</p>	1-3 pcs.	1-3 pcs.
RLTMDL-830R-100-5, 830 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm		2.533,00	2.716,59
RLTMDL-830R-200-5, 830 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm		2.914,00	3.125,21
RLTMDL-830R-300-5, 830 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm		3.429,00	3.677,53
RLTMDL-830R-500-5, 830 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm		4.213,00	4.518,36
INFRARED LASER DIODE MODULES, RLTMDL-845 series		EUR	USD
	<p>80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power 845 nm</p>	1-3 pcs.	1-3 pcs.
RLTMDL-845-20-5, 845 nm , 20 mW cw, stability <5%, laser head 141x46x73 mm		1.538,00	1.649,47
RLTMDL-845-30-5, 845 nm , 30 mW cw, stability <5%, laser head 141x46x73 mm		1.990,00	2.134,24
INFRARED LASER DIODE MODULES, RLTMDL-852 series		EUR	USD
	<p>80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power 852 nm</p>	1-3 pcs.	1-3 pcs.






RLTMDL-852-1000-5, 852 nm , 1000 mW cw, stability <5%, laser head 141x46x73 mm	1.538,00	1.649,47
RLTMDL-852-1500-5, 852 nm , 1500mW cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.134,24
RLTMDL-852-2000-5, 852 nm , 2000mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
INFRARED LASER DIODE MODULES, RLTMDL-879 series	EUR	USD
 <p>80-250 VAC power supply included square beam profile available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, 879 nm</p>	1-3 pcs.	1-3 pcs.
RLTMDL-879-1W-5, 879 nm , 1 W cw, stability <5%, square beam , 155x77x60 mm	1.538,00	1.649,47
RLTMDL-879-2W-5, 879 nm , 2 W cw, stability <5%, square beam , 155x77x60 mm	1.990,00	2.134,24
RLTMDL-879-3W-5, 879 nm , 3 W cw, stability <5%, square beam , 155x77x60 mm	2.533,00	2.716,59
INFRARED LASER DIODE MODULES, RLTMDL-880 series	EUR	USD
 <p>80-250 VAC power supply included square beam profile available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, 880 nm</p>	1-3 pcs.	1-3 pcs.
RLTMDL-880-1W-5, 880 nm , 1 W cw, stability <5%, square beam , 155x77x60 mm	1.538,00	1.649,47
RLTMDL-880-2W-5, 880 nm , 2 W cw, stability <5%, square beam , 155x77x60 mm	1.990,00	2.134,24
RLTMDL-880-3W-5, 880 nm , 3 W cw, stability <5%, square beam , 155x77x60 mm	2.533,00	2.716,59
INFRARED LASER DIODE MODULES, RLTMDL-885 series	EUR	USD
 <p>80-250 VAC power supply included square beam available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation, 885 nm</p>	1-3 pcs.	1-3 pcs.
RLTMDL-885-500-5, 885 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	1.538,00	1.649,47
RLTMDL-885-1W-5, 885 nm , 1 W cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.134,24
RLTMDL-885-2W-5, 885 nm , 2 W cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.125,21
INFRARED DPSS LASERS, RLTMIL-905 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% power stability, low noise, fibercoupling, adjustable power 905 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-905L-30-5, 905 nm , 30 mW cw, stability <5%, laser head 141x46x73 mm	1.538,00	1.649,47
RLTMIL-905L-50-5, 905 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	3.360,00	3.603,53
RLTMIL-905L-70-5, 905 nm , 70 mW cw, stability <5%, laser head 141x46x73 mm	5.600,00	6.005,89
INFRARED DPSS LASERS, RLTMIL-914 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% power stability, low noise, fibercoupling, adjustable power 914 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-914-100-5, 914 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.026,00	2.172,84
RLTMIL-914-200-5, 914 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMIL-914-400-5, 914 nm , 400 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
INFRARED LASER DIODE MODULES, RLTMDL-915 series	EUR	USD






 <p>80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, round spot 915 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMDL-915-100-5, 915 nm , 100 mW cw, stability <5%, near TEM00, 139x73x46 mm	1.538,00	1.649,47
RLTMDL-915-300-5, 915 nm , 300 mW cw, stability <5%, near TEM00, 139x73x46 mm	1.990,00	2.134,24
RLTMDL-915-500-5, 915 nm , 500 mW cw, stability <5%, laser head 136x73x46 mm	1.538,00	1.649,47
RLTMDL-915-1W-5, 915 nm , 1 W cw, stability <5%, laser head 136x73x46 mm	1.729,00	1.854,32
RLTMDL-915-2W-5, 915 nm , 2 W cw, stability <5%, laser head 155x77x60 mm	2.533,00	2.716,59
RLTMDL-915-5W-5, 915 nm , 5 W cw, stability <5%, laser head 155x77x60 mm	2.914,00	3.125,21
RLTMDL-915-8W-5, 915 nm , 8 W cw, stability <5%, laser head 209x88x74 mm	3.600,00	3.860,93
INFRARED LASER DIODE MODULES, RLTMDL-940 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, round spot 940 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMDL-940-100-5, 940 nm , 100 mW cw, stability <5%, near TEM00, 139x73x46 mm	1.538,00	1.649,47
RLTMDL-940-300-5, 940 nm , 300 mW cw, stability <5%, near TEM00, 139x73x46 mm	1.990,00	2.134,24
RLTMDL-940-500-5, 940 nm , 500 mW cw, stability <5%, laser head 136x73x46 mm	1.538,00	1.649,47
RLTMDL-940-1W-5, 940 nm , 1 W cw, stability <5%, laser head 136x73x46 mm	1.729,00	1.854,32
RLTMDL-940-2W-5, 940 nm , 2 W cw, stability <5%, laser head 152x77x60 mm	2.533,00	2.716,59
RLTMDL-940-5W-5, 940 nm , 5 W cw, stability <5%, laser head 152x77x60 mm	2.914,00	3.125,21
RLTMDL-940-8W-5, 940 nm , 8 W cw, stability <5%, laser head 209x88x74 mm	3.600,00	3.860,93
INFRARED DPSS LASERS, RLTMIL-946 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% power stability, low noise, fibercoupling, adjustable power 946 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMIL-946-50-5, 946 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	2.026,00	2.172,84
RLTMIL-946-100-5, 946 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMIL-946-200-5, 946 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	2.880,00	3.088,74
RLTMIL-946-500-5, 946 nm , 500 mW cw, stability <5%, laser head 155x77x60 mm	4.635,00	4.970,94
RLTMIL-946-800-5, 946 nm , 800 mW cw, stability <5%, laser head 155x77x60 mm	5.787,00	6.206,44
RLTMIL-946-1W-5, 946 nm , 1 W cw, stability <5%, laser head 155x77x60 mm	7.233,00	7.757,25
INFRARED LASER DIODE MODULES, RLTMDL-965 series	EUR	USD
 <p>80-250 VAC power supply included square beam profile available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation 965 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMDL-965-500-5, 965 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	1.333,00	1.429,62
RLTMDL-965-1W-5, 965 nm , 1 W cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.134,24
RLTMDL-965-2W-5, 965 nm , 2 W cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
INFRARED LASER DIODE MODULES, RLTMDL-965R series	EUR	USD
 <p>80-250 VAC power supply included round beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation 965 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMDL-965R-100-5, 965 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59

RLTMDL-965R-300-5, 965 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.125,21
RLTMDL-965R-500-5, 965 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
INFRARED LASER DIODE MODULES, RLTMDL-975 series	EUR	USD
 <p>80-250 VAC power supply included square beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation 975 nm</p>	1-3 pcs.	1-3 pcs.
RLTMDL-975-500-5, 975 nm±5nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	1.048,00	1.123,96
RLTMDL-975-1W-5, 975 nm±5nm , 1 W cw, stability <5%, laser head 141x46x73 mm	1.238,00	1.327,73
RLTMDL-975-2W-5, 975 nm±5nm , 2 W cw, stability <5%, laser head 141x46x73 mm	1.333,00	1.429,62
RLTMDL-975-5W-5, 975 nm±5nm , 5 W cw, stability <5%, laser head 155x77x60 mm	1.809,00	1.940,12
RLTMDL-975-10W-5, 975 nm±5nm , 10 W cw, stability <5%, laser head 240x99x94 mm	2.533,00	2.716,59
INFRARED LASER DIODE MODULES, RLTMDL-975R series	EUR	USD
 <p>80-250 VAC power supply included round beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation 975 nm ROUND BEAM</p>	1-3 pcs.	1-3 pcs.
RLTMDL-975R-100-5, 975 nm±5nm , 100 mW cw, stability <5%, head 141x46x73 mm	1.990,00	2.134,24
RLTMDL-975R-300-5, 975 nm±5nm , 300 mW cw, stability <5%, head 141x46x73 mm	2.533,00	2.716,59
RLTMDL-975R-500-5, 975 nm±5nm , 500 mW cw, stability <5%, head 141x46x73 mm	2.914,00	3.125,21
INFRARED LASER DIODE MODULES, RLTMDL-980 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation, round spot 980 nm</p>	1-3 pcs.	1-3 pcs.
RLTMDL-980-500-5, 980 nm±5nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	1.048,00	1.123,96
RLTMDL-980-1W-5, 980 nm±5nm , 1 W cw, stability <5%, laser head 141x46x73 mm	1.238,00	1.327,73
RLTMDL-980-2W-5, 980 nm±5nm , 2 W cw, stability <5%, laser head 141x46x73 mm	1.333,00	1.429,62
RLTMDL-980-5W-5, 980 nm±5nm , 5 W cw, stability <5%, laser head 155x77x60 mm	1.809,00	1.940,12
RLTMDL-980-10W-5, 980 nm±5nm , 10 W cw, stability <5%, laser head 240x99x94 mm	2.533,00	2.716,59
INFRARED LASER DIODE MODULES, RLTMDL-980R series	EUR	USD
 <p>80-250 VAC power supply included round beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation 980 nm ROUND BEAM</p>	1-3 pcs.	1-3 pcs.
RLTMDL-980R-100-5, 980 nm±5nm , 100 mW cw, stability <5%, head 141x46x73 mm	1.990,00	2.134,24
RLTMDL-980R-300-5, 980 nm±5nm , 300 mW cw, stability <5%, head 141x46x73 mm	2.533,00	2.716,59
RLTMDL-980R-500-5, 980 nm±5nm , 500 mW cw, stability <5%, head 141x46x73 mm	2.914,00	3.125,21
FIBER COUPLED HIGH POWER DIODE LASERS, RLTMFC-980 series	EUR	USD
 <p>100-240 VAC power supply integrated 400µm fiber, 0.22 NA, SMA905 connector cw or pulse operation pulse width, puls period, timer adjustable air cooled 980nm</p>	1-3 pcs.	1-3 pcs.
RLTMFC-980-1W-5, 980 nm , 1 W cw, stability <5%, laser unit 243x249x127 mm	2.503,00	2.684,42
RLTMFC-980-2W-5, 980 nm , 2 W cw, stability <5%, laser unit 243x249x127 mm	2.931,00	3.143,44
RLTMFC-980-4W-5, 980 nm , 4 W cw, stability <5%, laser unit 243x249x127 mm	3.189,00	3.420,14
RLTMFC-980-8W-5, 980 nm , 8 W cw, stability <5%, laser unit 243x249x127 mm	3.473,00	3.724,72

RLTMFC-980-25W-5, 980 nm , 25 W cw, stability <5%, laser unit 314x290x134 mm	5.167,00	5.541,50
RLTMFC-980-30W-5, 980 nm , 30 W cw, stability <5%, laser unit 314x290x134 mm	6.200,00	6.649,38
RLTMFC-980-50W-5, 980 nm , 50 W cw, stability <5%, laser unit 314x290x134 mm	7.733,00	8.293,49
INFRARED DPSS LASERS, RLTMIL-1030 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% power stability, low noise, fibercoupling, adjustable power</p> <p>1030 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1030-30-5, 1030 nm , 30 mW cw, stability <5%, laser head 212x88x74 mm	2.914,00	3.125,21
RLTMIL-1030-50-5, 1030 nm , 50 mW cw, stability <5%, laser head 212x88x74 mm	3.600,00	3.860,93
RLTMIL-1030-100-5, 1030 nm , 100 mW cw, stability <5%, laser head 212x88x74 mm	4.213,00	4.518,36
RLTMIL-1030-150-5, 1030 nm , 150 mW cw, stability <5%, laser head 212x88x74 mm	5.167,00	5.541,50
INFRARED DPSS LASERS, RLTMIL-1040 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% power stability, low noise, fibercoupling, adjustable power</p> <p>1040 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1040-30-5, 1040 nm , 30 mW cw, stability <5%, laser head 212x88x74 mm	2.914,00	3.125,21
RLTMIL-1040-50-5, 1040 nm , 50 mW cw, stability <5%, laser head 212x88x74 mm	3.600,00	3.860,93
RLTMIL-1040-100-5, 1040 nm , 100 mW cw, stability <5%, laser head 212x88x74 mm	4.213,00	4.518,36
RLTMIL-1040-150-5, 1040 nm , 150 mW cw, stability <5%, laser head 212x88x74 mm	5.167,00	5.541,50
INFRARED DPSS LASERS, RLTMIL-1047 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% power stability, low noise, fibercoupling, adjustable power,</p> <p>1047 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1047-50-5, 1047 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	2.027,00	2.173,92
RLTMIL-1047-100-5, 1047 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMIL-1047-300-5, 1047 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	2.880,00	3.088,74
RLTMIL-1047-500-5, 1047 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTMIL-1047-800-5, 1047 nm , 800 mW cw, stability <5%, laser head 155x77x60 mm	4.635,00	4.970,94
RLTMIL-1047-1W-5, 1047 nm , 800 mW cw, stability <5%, laser head 155x77x60 mm	5.167,00	5.541,50
INFRARED DPSS LASERS, RLTMIL-1053 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% power stability, low noise, modulation input, adjustable power, fibercoupling</p> <p>1053 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1053-100-5, 1053 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.027,00	2.173,92
RLTMIL-1053-300-5, 1053 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	2.880,00	3.088,74
RLTMIL-1053-500-5, 1053 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTMIL-1053-1W-5, 1053 nm , 1000 mW cw, stability <5%, laser head 141x46x73 mm	5.167,00	5.541,50
INFRARED Q-SWITCHED PULSED LASERS, RLTMPL-1053 series	EUR	USD
 <p>80-250 VAC power supply included Q-switched pulsed operation different repetition rate available (1-5khz) 3%, 1% power stability available</p> <p>1053 nm pulsed</p>	1-3 pcs.	1-3 pcs.
RLTMPL-1053-10-5, 1053 nm , 10 μ J, pulse length ~10ns, <5% stability	5.167,00	5.541,50
RLTMPL-1053-20-5, 1053 nm , 20 μ J, pulse length ~10ns, <5% stability	6.200,00	6.649,38






RLTMPL-1053-30-5, 1053 nm , 30 μ J, pulse length ~10ns, <5% stability	7.233,00	7.757,25
RLTMPL-1053-50-5, 1053 nm , 50 μ J, pulse length ~10ns, <5% stability	7.733,00	8.293,49
INFRARED DIODE LASERS, RLTMDL-1060 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% power stability, low noise, fibercoupling, adjustable power, 1060 nm</p>	1-3 pcs.	1-3 pcs.
RLTMDL-1060-100-5, 1060 nm , 100 mW cw, near TEM00, stability <5%, 141x46x73 mm	1.333,00	1.429,62
RLTMDL-1060-200-5, 1060 nm , 200 mW cw, near TEM00, stability <5%, 141x46x73 mm	1.538,00	1.649,47
RLTMDL-1060-300-5, 1060 nm , 300 mW cw, near TEM00, stability <5%, 141x46x73 mm	1.991,00	2.135,31
RLTMDL-1060-500-5, 1060 nm , 500 mW cw, square beam, stability <5%, 141x46x73 mm	1.333,00	1.429,62
RLTMDL-1060-1W-5, 1060 nm , 1 W cw, square beam, stability <5%, 155x77x60 mm	1.538,00	1.649,47
RLTMDL-1060-2W-5, 1060 nm , 2 W cw, square beam, stability <5%, 155x77x60 mm	1.991,00	2.135,31
INFRARED DPSS LASERS, RLTMIL-1064 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% power stability, modulation input, fibercoupling, adjustable power 1064 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1064-500-5, 1064 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	1.067,00	1.144,34
RLTMIL-1064-800-5, 1064 nm , 800 mW cw, stability <5%, laser head 141x46x73 mm	1.333,00	1.429,62
RLTMIL-1064-1W-5, 1064 nm , 1 W cw, stability <5%, laser head 141x46x73 mm	1.399,00	1.500,40
RLTMIL-1064-2W-5, 1064 nm , 2 W cw, stability <5%, laser head 155x77x60 mm	2.026,00	2.172,84
RLTMIL-1064-3W-5, 1064 nm , 3 W cw, stability <5%, laser head 155x77x60 mm	2.880,00	3.088,74
INFRARED DPSS LASERS, RLTMIL-H-1064 HIGH POWER series	EUR	USD
 <p>80-250 VAC power supply included available options: stability 3% and 1%, modulation input, fibercoupling, adjustable power 1064 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1064H-5W-5, 1064 nm , 5 W cw, stability <5%, laser head 240x99x94 mm	6.200,00	6.649,38
RLTMIL-1064H-8W-5, 1064 nm , 8 W cw, stability <5%, laser head 333x140x125 mm	9.667,00	10.367,66
RLTMIL-1064H-10W-5, 1064 nm , 10 W cw, stability <5%, laser head 333x140x125 mm	11.600,00	12.440,77
RLTMIL-1064H-15W-5, 1064 nm , 15 W cw, stability <5%, laser head 333x140x125 mm	14.507,00	15.558,47
RLTMIL-1064H-20W-5, 1064 nm , 20 W cw, stability <5%, laser head 333x140x125 mm	18.133,00	19.447,28
INFRARED DPSS LASERS, RLTCO-1064 HIGH POWER series	EUR	USD
		
RLTCO-1064-50W, 1064 nm , 50 W cw, water-cooled, 82x88x69 mm	3.047,62	3.268,51
RLTCO-1064-75W, 1064 nm , 75 W cw, water-cooled, 82x88x69 mm	4.000,00	4.289,92
RLTCO-1064-100W, 1064 nm , 100 W cw, water-cooled, 82x88x69 mm	6.335,00	6.794,16
RLTCO-1064-200W, 1064 nm , 200 W cw, water-cooled, 129x115x71 mm	12.342,86	13.237,47
RLTCO-1064-300W, 1064 nm , 300 W cw, water-cooled, 140x125x90 mm	16.333,33	17.517,17
RLTCO-1064-400W, 1064 nm , 400 W cw, water-cooled, 162x125x90 mm	20.428,57	21.909,23
RLTCO-1064-500W, 1064 nm , 500 W cw, water-cooled, 196x125x90 mm	24.380,95	26.148,08
INFRARED DPSS LASERS, RLTMILL-1064 series LOW NOISE	EUR	USD

 <p>LOW NOISE 80-250 VAC power supply included available options: 3% and 1% power stability, modulation input, fibercoupling 1064 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMLL-1064-500-5, 1064 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	1.387,10	1.487,64
RLTMLL-1064-800-5, 1064 nm , 800 mW cw, stability <5%, laser head 141x46x73 mm	1.732,90	1.858,50
RLTMLL-1064-1W-5, 1064 nm , 1 W cw, stability <5%, laser head 141x46x73 mm	1.818,70	1.950,52
RLTMLL-1064-2W-5, 1064 nm , 2 W cw, stability <5%, laser head 155x77x60 mm	2.633,80	2.824,70
RLTMLL-1064-3W-5, 1064 nm , 3 W cw, stability <5%, laser head 235x99x94 mm	3.744,00	4.015,37
INFRARED DPSS SINGLE LONGITUDINAL MODE LASERS, RLTMSSL-1064 series	EUR	USD
 <p>SINGLE LONGITUDINAL MODE 80-250 VAC power supply included available options: 3% and 1% power stability, fibercoupling 1064 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMSSL-1064-100-5, 1064 nm , 100 mW cw, stability <5%, noise <0.5%	2.533,00	2.716,59
RLTMSSL-1064-300-5, 1064 nm , 300 mW cw, stability <5%, noise <0.5%	3.600,00	3.860,93
RLTMSSL-1064-500-5, 1064 nm , 500 mW cw, stability <5%, noise <0.5%	4.213,00	4.518,36
RLTMSSL-1064-1W-5, 1064 nm , 1 W cw, stability <5%, noise <0.5%	6.200,00	6.649,38
INFRARED Q-SWITCHED PULSED LASERS, RLTMPL-1064 series	EUR	USD
 <p>80-250 VAC power supply included Q-switched pulsed operation different repetition rate available (1-5khz) 3%, 1% power stability available 1064 nm pulsed</p>		
	1-3 pcs.	1-3 pcs.
RLTMPL-1064-100-5, 1064 nm , 10-20 µJ, 100 mW, pulse length ~5-10ns, <5% stability	2.533,00	2.716,59
RLTMPL-1064-300-5, 1064 nm , 10-20 µJ, 300 mW, pulse length ~5-10ns, <5% stability	2.714,00	2.910,71
RLTMPL-1064-500-5, 1064 nm , 10-20 µJ, 500 mW, pulse length ~5-10ns, <5% stability	3.085,00	3.308,60
RLTMPL-1064-1W-5, 1064 nm , 20-100 µJ, 1 W, pulse length ~10ns, <5% stability	4.213,00	4.518,36
RLTMPL-1064-1.5W-5, 1064 nm , 150-250 µJ, 1.5 W, pulse length ~2ns, <5% stability	5.166,00	5.540,43
RLTMPL-1064-2W-5, 1064 nm , 150-250 µJ, 2 W, pulse length ~2ns, <5% stability	6.200,00	6.649,38
RLTMPL-1064-2.5W-5, 1064 nm , 150-250 µJ, 2.5W, pulse length ~2ns, <5% stability	7.233,00	7.757,25
INFRARED DPSS LASERS, RLTMIL-1085 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% power stability, low noise, modulation, adjustable power, fibercoupling 1085 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMIL-1085-100-5, 1085 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMIL-1085-200-5, 1085 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	2.880,00	3.088,74
RLTMIL-1085-300-5, 1085 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTMIL-1085-500-5, 1085 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	5.167,00	5.541,50
INFRARED DPSS LASERS, RLTMIL-1112 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% power stability, low noise, modulation, adjustable power, fibercoupling 1112 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMIL-1112-30-10, 1112 nm , 30 mW cw, stability <10%, laser head 141x46x73 mm	2.880,00	3.088,74
RLTMIL-1112-50-10, 1112 nm , 50 mW cw, stability <10%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTMIL-1112-100-10, 1112 nm , 100 mW cw, stability <10%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTMIL-1112-200-10, 1112 nm , 200 mW cw, stability <10%, laser head 155x60x77 mm	5.167,00	5.541,50

RLTMIL-1112-500-10, 1112 nm , 500 mW cw, stability <10%, laser head 155x60x77 mm	7.733,00	8.293,49
INFRARED DPSS LASERS, RLTMIL-1122 series	EUR	USD
 <p>80-250 VAC power supply included available options: 5% and 3% power stability, low noise, modulation input, adjustable power, fibercoupling 1122 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1122-50-10, 1122 nm , 50 mW cw, stability <10%, laser head 141x46x73 mm	2.880,00	3.088,74
RLTMIL-1122-100-10, 1122 nm , 100 mW cw, stability <10%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTMIL-1122-200-10, 1122 nm , 200 mW cw, stability <10%, laser head 141x46x73 mm	4.213,00	4.518,36
RLTMIL-1122-500-10, 1122 nm , 500 mW cw, stability <10%, laser head 155x60x77 mm	6.200,00	6.649,38
RLTMIL-1122-800-10, 1122 nm , 800 mW cw, stability <10%, laser head 155x60x77 mm	7.733,00	8.293,49
RLTMIL-1122-1W-10, 1122 nm , 1 W cw, stability <10%, laser head 155x60x77 mm	9.667,00	10.367,66
INFRARED DPSS LASERS, RLTMIL-1177 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% power stability, low noise, modulation, adjustable power, fibercoupling 1177 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1177-30-5, 1177 nm , 30 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.125,21
RLTMIL-1177-50-5, 1177 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTMIL-1177-100-5, 1177 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	4.213,00	4.518,36
INFRARED DPSS LASERS, RLTMIL-1310 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% power stability, low noise, modulation input, adjustable power, fibercoupling, Q-switched 1310 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1310-10-5, 1310 nm , 10 mW cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.134,24
RLTMIL-1310-20-5, 1310 nm , 20 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
INFRARED DPSS LASERS, RLTMIL-1313 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% power stability, low noise, modulation input, adjustable power, fibercoupling, Q-switched 1313 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1313-100-5, 1313 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.880,00	3.088,74
RLTMIL-1313-300-5, 1313 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	4.213,00	4.518,36
RLTMIL-1313-500-5, 1313 nm , 500 mW cw, stability <5%, laser head 155x60x77 mm	6.200,00	6.649,38
RLTMIL-1313-1W-5, 1313 nm , 1000 mW cw, stability <5%, laser head 155x60x77 mm	7.733,00	8.293,49
INFRARED DPSS LASERS, RLTMIL-1319 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% power stability, low noise, modulation, adjustable power, fibercoupling, Q-switched 1319 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1319-50-5, 1319 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	2.016,00	2.162,12
RLTMIL-1319-100-5, 1319 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMIL-1319-300-5, 1319 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTMIL-1319-500-5, 1319 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	4.213,00	4.518,36
RLTMIL-1319-800-5, 1319 nm , 800 mW cw, stability <5%, laser head 155x60x77 mm	6.200,00	6.649,38
RLTMIL-1319-1W-5, 1319 nm , 1 W cw, stability <5%, laser head 155x60x77 mm	7.233,00	7.757,25
RLTMIL-1319-1.5W-5, 1319 nm , 1.5 W cw, stability <5%, laser head 155x60x77 mm	7.733,00	8.293,49

INFRARED DPSS LASERS, RLTMIL-1342 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% power stability, low noise, single longitudinal, modulation, adjustable power, fibercoupling 1342 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1342-300-5, 1342 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	1.520,00	1.630,17
RLTMIL-1342-500-5, 1342 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	2.026,00	2.172,84
RLTMIL-1342-800-5, 1342 nm , 800 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMIL-1342-1W-5, 1342 nm , 1W cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTMIL-1342-2W-5, 1342 nm , 2W cw, stability <5%, laser head 155x60x77 mm	7.233,00	7.757,25
INFRARED DPSS LASERS, RLTMIL-1342 HIGH POWER series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% power stability, modulation input, adjustable power, fibercoupling 1342 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1342-3W-5, 1342 nm , 3 W cw, stability <5%, laser head 240x99x90 mm	8.700,00	9.330,58
RLTMIL-1342-4W-5, 1342 nm , 4 W cw, stability <5%, laser head 333x140x125 mm	11.600,00	12.440,77
RLTMIL-1342-5W-5, 1342 nm , 5 W cw, stability <5%, laser head 333x140x125 mm	14.507,00	15.558,47
INFRARED DPSS LASERS, RLTMIL-1413 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% power stability, low noise, single longitudinal, modulation, adjustable power, fibercoupling 1413 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1413-50-5, 1413 nm , 50 mW cw, stability <5%, laser head 155x77x60 mm	2.914,00	3.125,21
RLTMIL-1413-100-5, 1413 nm , 100 mW cw, stability <5%, laser head 155x77x60 mm	3.928,00	4.212,70
RLTMIL-1413-200-5, 1413 nm , 200 mW cw, stability <5%, laser head 155x77x60 mm	4.213,00	4.518,36
RLTMIL-1413-300-5, 1413 nm , 300 mW cw, stability <5%, laser head 155x77x60 mm	5.167,00	5.541,50
INFRARED LASER DIODE MODULES, RLTM DL-1440 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, round spot 1440 nm</p>	1-3 pcs.	1-3 pcs.
RLTM DL-1440-100-5, 1440 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTM DL-1440-300-5, 1440 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.125,21
RLTM DL-1440-500-5, 1440 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTM DL-1440-800-5, 1440 nm , 800 mW cw, stability <5%, laser head 141x46x73 mm	3.928,00	4.212,70
RLTM DL-1440-1W-5, 1440 nm , 1 W cw, stability <5%, laser head 240x94x90 mm	4.665,00	5.003,12
RLTM DL-1440-2W-5, 1440 nm , 2 W cw, stability <5%, laser head 240x94x90 mm	5.167,00	5.541,50
RLTM DL-1440-3W-5, 1440 nm , 3 W cw, stability <5%, laser head 240x94x90 mm	5.905,00	6.332,99
INFRARED LASER DIODE MODULES, RLTM DL-1440R series	EUR	USD
 <p>80-250 VAC power supply included round beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation 1440 nm ROUND BEAM</p>	1-3 pcs.	1-3 pcs.
RLTM DL-1440R-50-5, 1440 nm , 50 mW cw, round beam, stability <5%, head 141x46x73 mm	2.533,00	2.716,59
RLTM DL-1440R-100-5, 1440 nm , 100 mW cw, round beam, stability <5%, head 141x46x73 mm	2.914,00	3.125,21
RLTM DL-1440R-150-5, 1440 nm , 150 mW cw, round beam, stability <5%, head 141x46x73 mm	3.600,00	3.860,93
INFRARED DPSS LASERS, RLTMIL-1444 series	EUR	USD

 <p>80-250 VAC power supply included available options: 3% and 1% power stability, low noise, modulation, adjustable power, fibercoupling 1444 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMIL-1444-50-5, 1444 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	2.880,00	3.088,74
RLTMIL-1444-100-5, 1444 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	4.213,00	4.518,36
RLTMIL-1444-200-5, 1444 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	5.167,00	5.541,50
RLTMIL-1444-400-5, 1444 nm , 400 mW cw, stability <5%, laser head 141x46x73 mm	7.233,00	7.757,25
INFRARED LASER DIODE MODULES, RLTMDL-1450 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, round spot 1450 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMDL-1450-100-5, 1450 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMDL-1450-300-5, 1450 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.125,21
RLTMDL-1450-500-5, 1450 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTMDL-1450-800-5, 1450 nm , 800 mW cw, stability <5%, laser head 141x46x73 mm	3.928,00	4.212,70
RLTMDL-1450-1W-5, 1450 nm , 1 W cw, stability <5%, laser head 240x94x90 mm	4.665,00	5.003,12
RLTMDL-1450-2W-5, 1450 nm , 2 W cw, stability <5%, laser head 240x94x90 mm	5.167,00	5.541,50
RLTMDL-1450-3W-5, 1450 nm , 3 W cw, stability <5%, laser head 240x94x90 mm	5.905,00	6.332,99
INFRARED LASER DIODE MODULES, RLTMDL-1450R series	EUR	USD
 <p>80-250 VAC power supply included round beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation 1450 nm ROUND BEAM</p>		
	1-3 pcs.	1-3 pcs.
RLTMDL-1450R-50-5, 1450 nm , 50 mW cw, round beam, stability <5%, head 141x46x73 mm	2.533,00	2.716,59
RLTMDL-1450R-100-5, 1450 nm , 100 mW cw, round beam, stability <5%, head 141x46x73 mm	2.914,00	3.125,21
RLTMDL-1450R-150-5, 1450 nm , 150 mW cw, round beam, stability <5%, head 141x46x73 mm	3.600,00	3.860,93
INFRARED LASER DIODE MODULES, RLTMDL-1470 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, round spot 1470 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMDL-1470-100-5, 1470 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.716,59
RLTMDL-1470-300-5, 1470 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.125,21
RLTMDL-1470-500-5, 1470 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	3.860,93
RLTMDL-1470-800-5, 1470 nm , 800 mW cw, stability <5%, laser head 141x46x73 mm	3.928,00	4.212,70
RLTMDL-1470-1W-5, 1470 nm , 1 W cw, stability <5%, laser head 240x94x90 mm	4.665,00	5.003,12
RLTMDL-1470-2W-5, 1470 nm , 2 W cw, stability <5%, laser head 240x94x90 mm	5.167,00	5.541,50
RLTMDL-1470-3W-5, 1470 nm , 3 W cw, stability <5%, laser head 240x94x90 mm	5.905,00	6.332,99
INFRARED LASER DIODE MODULES, RLTMDL-1470R series	EUR	USD
 <p>80-250 VAC power supply included round beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation 1470 nm ROUND BEAM</p>		
	1-3 pcs.	1-3 pcs.
RLTMDL-1470R-50-5, 1470 nm , 50 mW cw, round beam, stability <5%, head 141x46x73 mm	2.533,00	2.716,59
RLTMDL-1470R-100-5, 1470 nm , 100 mW cw, round beam, stability <5%, head 141x46x73 mm	2.914,00	3.125,21
RLTMDL-1470R-150-5, 1470 nm , 150 mW cw, round beam, stability <5%, head 141x46x73 mm	3.600,00	3.860,93

INFRARED LASER DIODE MODULES, RLTMDL-1532 series		EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power</p> <p>1532nm</p>		1-3 pcs.	1-3 pcs.
RLTMDL-1532-100-5, 1532 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm		2.533,00	2.716,59
RLTMDL-1532-300-5, 1532 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm		2.914,00	3.125,21
RLTMDL-1532-500-5, 1532 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm		3.600,00	3.860,93
RLTMDL-1532-1W-5, 1532 nm , 1 W cw, stability <5%, laser head 240x94x90 mm		4.665,00	5.003,12
RLTMDL-1532-2W-5, 1532 nm , 2 W cw, stability <5%, laser head 240x94x90 mm		5.167,00	5.541,50
RLTMDL-1532-3W-5, 1532 nm , 3 W cw, stability <5%, laser head 240x94x90 mm		5.905,00	6.332,99
INFRARED LASER DIODE MODULES, RLTMDL-1532R series		EUR	USD
 <p>80-250 VAC power supply included round beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation</p> <p>1532 nm ROUND BEAM</p>		1-3 pcs.	1-3 pcs.
RLTMDL-1532R-50-5, 1532 nm , 50 mW cw, round beam, stability <5%, head 141x46x73 mm		3.600,00	3.860,93
RLTMDL-1532R-100-5, 1532 nm , 100 mW cw, round beam, stability <5%, head 141x46x73 mm		4.086,00	4.382,15
RLTMDL-1532R-200-5, 1532 nm , 200 mW cw, flat top beam, stability <5%, head 141x46x73 mm		4.213,00	4.518,36
INFRARED LASER DIODE MODULES, RLTMDL-1550 series		EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power</p> <p>1550 nm</p>		1-3 pcs.	1-3 pcs.
RLTMDL-1550-100-5, 1550 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm		2.533,00	2.716,59
RLTMDL-1550-300-5, 1550 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm		2.914,00	3.125,21
RLTMDL-1550-500-5, 1550 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm		3.600,00	3.860,93
RLTMDL-1550-1W-5, 1550 nm , 1 W cw, stability <5%, laser head 240x94x90 mm		4.665,00	5.003,12
RLTMDL-1550-2W-5, 1550 nm , 2 W cw, stability <5%, laser head 240x94x90 mm		5.167,00	5.541,50
RLTMDL-1550-3W-5, 1550 nm , 3 W cw, stability <5%, laser head 240x94x90 mm		5.905,00	6.332,99
INFRARED LASER DIODE MODULES, RLTMDL-1550R series		EUR	USD
 <p>80-250 VAC power supply included round beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation</p> <p>1550nm ROUND BEAM</p>		1-3 pcs.	1-3 pcs.
RLTMDL-1550R-50-5, 1550 nm , 50 mW cw, round beam, stability <5%, head 141x46x73 mm		3.600,00	3.860,93
RLTMDL-1550R-100-5, 1550 nm , 100 mW cw, round beam, stability <5%, head 141x46x73 mm		4.086,00	4.382,15
RLTMDL-1550R-200-5, 1550 nm , 200 mW cw, flat top beam, stability <5%, head 141x46x73 mm		4.213,00	4.518,36
IR DPSS AOM Q-SWITCHED PULSED LASERS, RLTAOL-1573 series		EUR	USD
 <p>AOM (Acusto-Optic Modulation) Q-switched Laser 1-50 kHz Option: 5% and 3% power stability 80-250 VAC power supply included</p> <p>1573 nm AOM Q-switched</p>		1-3 pcs.	1-3 pcs.
RLTAOL-1573-100-10, 1573 nm , 100 mW @ 30 kHz, 3 µJ, ~10 ns, <10% stability		13.533,00	14.513,87
RLTAOL-1573-200-10, 1573 nm , 200 mW @ 30 kHz, 6 µJ, ~10 ns, <10% stability		14.500,00	15.550,96
RLTAOL-1573-300-10, 1573 nm , 300 mW @ 30 kHz, 10 µJ, ~10 ns, <10% stability		14.507,00	15.558,47
RLTAOL-1573-500-10, 1573 nm , 500 mW @ 30 kHz, 15 µJ, ~10 ns, <10% stability		16.320,00	17.502,87
RLTAOL-1573-800-10, 1573 nm , 800 mW @ 30 kHz, 25 µJ, ~10 ns, <10% stability		17.227,00	18.475,61

RLTAOL-1573-1W-10, 1573 nm , 1W @ 30 kHz, 35 µJ, ~10 ns, <10% stability	18.133,00	19.447,28
INFRARED DIODE PUMPED LASER MODULES - RLTMIL-1645 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power, modulation 1645 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMIL-1645-100-5, 1645 nm , 100 mW cw, stability <5%, laser head 240x94x90 mm	12.567,00	13.477,86
RLTMIL-1645-300-5, 1645 nm , 300 mW cw, stability <5%, laser head 240x94x90 mm	14.507,00	15.558,47
RLTMIL-1645-500-5, 1645 nm , 500 mW cw, stability <5%, laser head 240x94x90 mm	16.320,00	17.502,87
RLTMIL-1645-800-5, 1645 nm , 800 mW cw, stability <5%, laser head 240x94x90 mm	18.133,00	19.447,28
RLTMIL-1645-1W-5, 1645 nm , 1 W cw, stability <5%, laser head 240x94x90 mm	19.947,00	21.392,76
INFRARED LASER DIODE MODULES, RLTMDL-1870 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power 1870 nm</p>		
RLTMDL-1870-100-5, 1870 nm , 100 mW cw, stability <5%, laser head 155x77x60 mm	6.200,00	6.649,38
RLTMDL-1870-200-5, 1870 nm , 200 mW cw, stability <5%, laser head 155x77x60 mm	7.233,00	7.757,25
RLTMDL-1870-300-5, 1870 nm , 300 mW cw, stability <5%, laser head 155x77x60 mm	7.733,00	8.293,49
RLTMDL-1870-500-5, 1870 nm , 500 mW cw, stability <5%, laser head 155x77x60 mm	8.700,00	9.330,58
RLTMDL-1870-800-5, 1870 nm , 800 mW cw, stability <5%, laser head 155x77x60 mm	9.667,00	10.367,66
INFRARED LASER DIODE MODULES, RLTMDL-1900 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power 1900 nm</p>		
RLTMDL-1900-100-5, 1900 nm , 100 mW cw, stability <5%, laser head 155x77x60 mm	6.200,00	6.649,38
RLTMDL-1900-200-5, 1900 nm , 200 mW cw, stability <5%, laser head 155x77x60 mm	7.233,00	7.757,25
RLTMDL-1900-300-5, 1900 nm , 300 mW cw, stability <5%, laser head 155x77x60 mm	7.733,00	8.293,49
RLTMDL-1900-500-5, 1900 nm , 500 mW cw, stability <5%, laser head 155x77x60 mm	8.700,00	9.330,58
RLTMDL-1900-800-5, 1900 nm , 800 mW cw, stability <5%, laser head 155x77x60 mm	9.667,00	10.367,66
INFRARED DIODE PUMPED LASER MODULES - RLTMIL-1910 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power, modulation 1910 nm</p>		
	1-3 pcs.	1-3 pcs.
RLTMIL-1910-300-5, 1910 nm , 300 mW cw, stability <5%, laser head 209x88x74 mm	7.733,00	8.293,49
RLTMIL-1910-500-5, 1910 nm , 500 mW cw, stability <5%, laser head 209x88x74 mm	9.667,00	10.367,66
RLTMIL-1910-800-5, 1910 nm , 800 mW cw, stability <5%, laser head 209x88x74 mm	11.600,00	12.440,77
RLTMIL-1910-1W-5, 1910 nm , 1 W cw, stability <5%, laser head 333x144x125 mm	14.507,00	15.558,47
RLTMIL-1910-3W-5, 1910 nm , 3 W cw, stability <5%, laser head 333x144x125 mm	16.320,00	17.502,87
RLTMIL-1910-5W-5, 1910 nm , 5 W cw, stability <5%, laser head 333x144x125 mm	18.133,00	19.447,28
RLTMIL-1910-10W-5, 1910 nm , 10 W cw, stability <5%, laser head 333x144x125 mm	25.387,00	27.227,05
INFRARED LASER DIODE MODULES, RLTMDL-1940 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power 1940 nm</p>		

RLTMDL-1940-100-5, 1940 nm , 100 mW cw, stability <5%, laser head 155x77x60 mm	6.200,00	6.649,38
RLTMDL-1940-200-5, 1940 nm , 200 mW cw, stability <5%, laser head 155x77x60 mm	7.233,00	7.757,25
RLTMDL-1940-300-5, 1940 nm , 300 mW cw, stability <5%, laser head 155x77x60 mm	7.733,00	8.293,49
RLTMDL-1940-500-5, 1940 nm , 500 mW cw, stability <5%, laser head 155x77x60 mm	8.700,00	9.330,58
RLTMDL-1940-800-5, 1940 nm , 800 mW cw, stability <5%, laser head 155x77x60 mm	9.667,00	10.367,66
INFRARED DIODE PUMPED LASER MODULES - RLTMIL-1940 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power, modulation 1940 nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1940-300-5, 1940 nm , 300 mW cw, stability <5%, laser head 209x88x74 mm	7.733,00	8.293,49
RLTMIL-1940-500-5, 1940 nm , 500 mW cw, stability <5%, laser head 209x88x74 mm	9.667,00	10.367,66
RLTMIL-1940-800-5, 1940 nm , 800 mW cw, stability <5%, laser head 209x88x74 mm	11.600,00	12.440,77
RLTMIL-1940-1W-5, 1940 nm , 1 W cw, stability <5%, laser head 333x144x125 mm	14.507,00	15.558,47
RLTMIL-1940-3W-5, 1940 nm , 3 W cw, stability <5%, laser head 333x144x125 mm	16.320,00	17.502,87
RLTMIL-1940-5W-5, 1940 nm , 5 W cw, stability <5%, laser head 333x144x125 mm	18.133,00	19.447,28
RLTMIL-1940-10W-5, 1940 nm , 10 W cw, stability <5%, laser head 333x144x125 mm	25.387,00	27.227,05
INFRARED DIODE PUMPED LASER MODULES - RLTMIL-1985 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power, modulation 1985nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1985-300-5, 1985 nm , 300 mW cw, stability <5%, laser head 209x88x74 mm	9.667,00	10.367,66
RLTMIL-1985-500-5, 1985 nm , 500 mW cw, stability <5%, laser head 209x88x74 mm	11.600,00	12.440,77
RLTMIL-1985-800-5, 1985 nm , 800 mW cw, stability <5%, laser head 209x88x74 mm	13.533,00	14.513,87
RLTMIL-1985-1W-5, 1985 nm , 1 W cw, stability <5%, laser head 333x144x125 mm	14.507,00	15.558,47
RLTMIL-1985-3W-5, 1985 nm , 3 W cw, stability <5%, laser head 333x144x125 mm	18.133,00	19.447,28
RLTMIL-1985-5W-5, 1985 nm , 5 W cw, stability <5%, laser head 333x144x125 mm	21.760,00	23.337,16
RLTMIL-1985-10W-5, 1985 nm , 10 W cw, stability <5%, laser head 333x144x125 mm	29.013,00	31.115,86
INFRARED DIODE PUMPED LASER MODULES - RLTMIL-1990 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power, modulation 1990nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-1990-300-5, 1990 nm , 300 mW cw, stability <5%, laser head 209x88x74 mm	9.667,00	10.367,66
RLTMIL-1990-500-5, 1990 nm , 500 mW cw, stability <5%, laser head 209x88x74 mm	11.600,00	12.440,77
RLTMIL-1990-800-5, 1990 nm , 800 mW cw, stability <5%, laser head 209x88x74 mm	13.533,00	14.513,87
RLTMIL-1990-1W-5, 1990 nm , 1 W cw, stability <5%, laser head 333x144x125 mm	14.507,00	15.558,47
RLTMIL-1990-3W-5, 1990 nm , 3 W cw, stability <5%, laser head 333x144x125 mm	18.133,00	19.447,28
RLTMIL-1990-5W-5, 1990 nm , 5 W cw, stability <5%, laser head 333x144x125 mm	21.760,00	23.337,16
RLTMIL-1990-10W-5, 1990 nm , 10 W cw, stability <5%, laser head 333x144x125 mm	29.013,00	31.115,86
INFRARED DIODE PUMPED LASER MODULES - RLTMIL-2096 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% stability, fibercoupling, adjustable power, modulation 2096nm</p>	1-3 pcs.	1-3 pcs.
RLTMIL-2096-1W-5, 2096 nm , 1 W cw, stability <5%, laser head 333x144x125 mm	13.533,00	14.513,87
RLTMIL-2096-2W-5, 2096 nm , 2 W cw, stability <5%, laser head 333x144x125 mm	16.320,00	17.502,87
RLTMIL-2096-3W-5, 2096 nm , 3 W cw, stability <5%, laser head 333x144x125 mm	19.947,00	21.392,76
INFRARED LASER DIODE MODULES, RLTMIL-2200 series	EUR	USD

 <p>80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power 2200 nm</p>		
RLTMDL-2200-50-5, 2200 nm , 50 mW cw, stability <5%, laser head 155x77x60 mm	6.200,00	6.649,38
RLTMDL-2200-100-5, 2200 nm , 100 mW cw, stability <5%, laser head 155x77x60 mm	7.233,00	7.757,25
RLTMDL-2200-300-5, 2200 nm , 300 mW cw, stability <5%, laser head 155x77x60 mm	7.733,00	8.293,49
RLTMDL-2200-450-5, 2200 nm , 450 mW cw, stability <5%, laser head 155x77x60 mm	8.700,00	9.330,58
IR DPSS Q-SWITCHED PULSED LASERS, RLTMPL-3800 series	EUR	USD
 <p>Passively Q-switched Laser 5 - 15 kHz Option: 5% power stability 80-250 VAC power supply included</p>	1-3 pcs.	1-3 pcs.
RLTMPL-3800-100-10, 3800 nm , 100 mW avg, 5-10ns pulse, 5-15 kHz rep.rate, <10% stability	14.507,00	15.558,47
RLTMPL-3800-200-10, 3800 nm , 200 mW avg, 5-10ns pulse, 5-15 kHz rep.rate, <10% stability	18.133,00	19.447,28
RLTMPL-3800-300-10, 3800 nm , 300 mW avg, 5-10ns pulse, 5-15 kHz rep.rate, <10% stability	21.760,00	23.337,16
IR DPSS AOM Q-SWITCHED PULSED LASERS, RLTAOL-3800 series	EUR	USD
 <p>AOM (Acusto-Optic Modulation) Q-switched Laser 1 - 50 kHz Option: 5% power stability 80-250 VAC power supply included</p> <p>3800 nm AOM Q-switched</p>	1-3 pcs.	1-3 pcs.
RLTAOL-3800-10-10, 3800 nm , 10 mW @ 10 kHz, ~15ns pulse, <10% stability	18.133,00	19.447,28
RLTAOL-3800-30-10, 3800 nm , 30 mW @ 10 kHz, ~15ns pulse, <10% stability	21.760,00	23.337,16
RLTAOL-3800-50-10, 3800 nm , 50 mW @ 10 kHz, ~15ns pulse, <10% stability	25.387,00	27.227,05
RLTAOL-3800-100-10, 3800 nm , 100 mW @ 20 kHz, 5µJ, ~25ns pulse, <10% stability	29.013,00	31.115,86
RLTAOL-3800-300-10, 3800 nm , 300 mW @ 20 kHz, 15µJ, ~25ns pulse, <10% stability	32.640,00	35.005,75
RLTAOL-3800-500-10, 3800 nm , 500 mW @ 20 kHz, 25µJ, ~25ns pulse, <10% stability	36.267,00	38.895,63
RLTAOL-3800-800-10, 3800 nm , 800 mW @ 20 kHz, 40µJ, ~25ns pulse, <10% stability	39.893,00	42.784,44
RLTAOL-3800-1W-10, 3800 nm , 1 W @ 20 kHz, 50µJ, ~25ns pulse, <10% stability	43.520,00	46.674,33
<h2 style="text-align: center;">LEDS - DEEP UV</h2>		
DEEP UV SINGLE EMITTER LEDs 235 nm - 340 nm TO-Can	EUR	USD
 <p>single emitter DEEP-UV LEDs TO-Can</p> <ul style="list-style-type: none"> - TO18, TO39, open can - quartz glass lens - water purification / disinfection / phototherapy DNA sequencing, Blood Gas Measurements 	1-10 pcs.	1-10 pcs.
235 nm (evaluation samples only)		
UVTOP230-FW-TO39, 235 ± 5 nm , 20 mA, ± 60°, TO-39, flat window	492,73	528,44
UVTOP230-HL-TO39, 235 ± 5 nm , 20 mA, ± 3.5°, TO-39, hemispherical lens	543,40	582,79
UVTOP230-BL-TO39, 235 ± 5 nm , 20 mA, ± 3.5°, TO-39, ball lens	556,07	596,37
245 nm		
UVTOP240-FW-TO18, 245 ± 5 nm , 20 mA, ± 60°, TO-18, flat window	o.r	o.r
UVTOP240-FW-TO39, 245 ± 5 nm , 20 mA, ± 60°, TO-39, flat window	o.r	o.r
UVTOP240-TFWR-TO39, 245 ± 5 nm , 20 mA, ± 60°, TO-39, flat win. w. refl.	o.r	o.r
UVTOP240-HL-TO39, 245 ± 5 nm , 20 mA, ± 3.5°, TO-39, hemispherical lens	o.r	o.r
UVTOP240-BL-TO39, 245 ± 5 nm , 20 mA, ± 3.5°, TO-39, ball lens	o.r	o.r
UVTOP240-BL-TO18, 245 ± 5 nm , 20 mA, ± 3.5°, TO-18, ball lens	o.r	o.r
UVTOP240-NW-TO18, 245 ± 5 nm , 20 mA, ± 60°, TO-18, no window	o.r	o.r
250 nm		

UVTOP245-FW-TO18, 250 ± 5 nm , 20 mA, TO-18, flat window	o.r	o.r
UVTOP245-FW-TO39, 250 ± 5 nm , 20 mA, TO-39, flat window	o.r	o.r
UVTOP245-TFWR-TO39, 250 ± 5 nm , 20 mA, TO-39, tall flat window w. reflector	o.r	o.r
UVTOP245-HL-TO39, 250 ± 5 nm , 20 mA, TO-39, hemispherical lens	o.r	o.r
UVTOP245-BL-TO39, 250 ± 5 nm , 20 mA, TO-39, ball lens	o.r	o.r
UVTOP245-BL-TO18, 250 ± 5 nm , 20 mA, TO-18, ball lens	o.r	o.r
UVTOP245-NW-TO18, 250 ± 5 nm , 20 mA, TO-18, no window	o.r	o.r
255 nm		
UVTOP250-FW-TO18, 255 ± 5 nm , 20 mA, TO-18, flat window	388,93	417,12
UVTOP250-FW-TO39, 255 ± 5 nm , 20 mA, TO-39, flat window	388,93	417,12
UVTOP250-TFWR-TO39, 255 ± 5 nm , 20 mA, TO-39, tall flat window w. reflector	o.r	o.r
UVTOP250-HL-TO39, 255 ± 5 nm , 20 mA, TO-39, hemispherical lens	406,21	435,66
UVTOP250-BL-TO39, 255 ± 5 nm , 20 mA, TO-39, ball lens	421,77	452,34
UVTOP250-BL-TO18, 255 ± 5 nm , 20 mA, TO-18, ball lens	421,77	452,34
UVTOP250-NW-TO18, 255 ± 5 nm , 20 mA, TO-18, no window	o.r	o.r
260 nm		
UVTOP255-FW-TO18, 260 ± 5 nm , 20 mA, TO-18, flat window	o.r	o.r
UVTOP255-FW-TO39, 260 ± 5 nm , 20 mA, TO-39, flat window	o.r	o.r
UVTOP255-TFWR-TO39, 260 ± 5 nm , 20 mA, TO-39, tall flat window w. reflector	o.r	o.r
UVTOP255-HL-TO39, 260 ± 5 nm , 20 mA, TO-39, hemispherical lens	o.r	o.r
UVTOP255-BL-TO39, 260 ± 5 nm , 20 mA, TO-39, ball lens	o.r	o.r
UVTOP255-BL-TO18, 260 ± 5 nm , 20 mA, TO-18, ball lens	o.r	o.r
UVTOP255-NW-TO18, 260 ± 5 nm , 20 mA, TO-18, no window	o.r	o.r
265 nm		
UVTOP260-FW-TO18, 265 ± 5 nm , 20 mA, TO-18, flat window	368,19	394,87
UVTOP260-FW-TO39, 265 ± 5 nm , 20 mA, TO-39, flat window	368,19	394,87
UVTOP260-TFWR-TO39, 265 ± 5 nm , 20 mA, TO-39, tall flat window w. reflector	o.r	o.r
UVTOP260-HL-TO39, 265 ± 5 nm , 20 mA, TO-39, hemispherical lens	383,74	411,56
UVTOP260-BL-TO39, 265 ± 5 nm , 20 mA, TO-39, ball lens	397,57	426,39
UVTOP260-BL-TO18, 265 ± 5 nm , 20 mA, TO-18, ball lens	397,57	426,39
UVTOP260-NW-TO18, 265 ± 5 nm , 20 mA, TO-18, no window	o.r	o.r
DUV265-OC39, 265 ± 5 nm , 0.9 mW at 20 mA, ± 72°, TO-39, open can	202,86	217,56
DUV265-OC46, 265 ± 5 nm , 0.9 mW at 20 mA, ± 72°, TO-46S, open can	202,86	217,56
DUV265-FW5, 265 ± 5 nm , 0.6 mW at 20 mA, ± 58°, TO-5, flat window	208,57	223,69
DUV265-FW18, 265 ± 5 nm , 0.4 mW at 20 mA, ± 55°, TO-18, flat window	208,57	223,69
DUV265-HL5N, 265 ± 5 nm , 0.3 mW at 20 mA, ± 3°, TO-5, hemispherical lens	230,00	246,67
DUV265-HL5NR, 265 ± 5 nm , 0.5 mW at 20 mA, ± 3°, TO-5, hemispherical lens with reflector	235,71	252,80
DUV265-HL46N, 265 ± 5 nm , 0.3 mW at 20 mA, ± 3°, TO-46S, hemispherical lens	230,00	246,67
DUV265-HL18M, 265 ± 5 nm , 0.4 mW at 20 mA, ± 12°, TO-18, hemispherical lens	230,00	246,67
DUV265-HL18W, 265 ± 5 nm , 0.4 mW at 20 mA, ± 20°, TO-18, hemispherical lens	230,00	246,67
270 nm		
UVTOP265-FW-TO18, 270 ± 5 nm , 20 mA, TO-18, flat window	o.r	o.r
UVTOP265-FW-TO39, 270 ± 5 nm , 20 mA, TO-39, flat window	o.r	o.r
UVTOP265-TFWR-TO39, 270 ± 5 nm , 20 mA, TO-39, tall flat window w. reflector	o.r	o.r
UVTOP265-HL-TO39, 270 ± 5 nm , 20 mA, TO-39, hemispherical lens	o.r	o.r
UVTOP265-BL-TO39, 270 ± 5 nm , 20 mA, TO-39, ball lens	o.r	o.r
UVTOP265-BL-TO18, 270 ± 5 nm , 20 mA, TO-18, ball lens	o.r	o.r
UVTOP265-NW-TO18, 270 ± 5 nm , 20 mA, TO-18, no window	o.r	o.r
275 nm		
UVTOP270-FW-TO18, 275 ± 5 nm , 20 mA, TO-18, flat window	354,36	380,04
UVTOP270-FW-TO39, 275 ± 5 nm , 20 mA, TO-39, flat window	354,36	380,04
UVTOP270-TFWR-TO39, 275 ± 5 nm , 20 mA, TO-39, tall flat window w. reflector	o.r	o.r
UVTOP270-HL-TO39, 275 ± 5 nm , 20 mA, TO-39, hemispherical lens	368,19	394,87
UVTOP270-BL-TO39, 275 ± 5 nm , 20 mA, TO-39, ball lens	383,74	411,56
UVTOP270-BL-TO18, 275 ± 5 nm , 20 mA, TO-18, ball lens	383,74	411,56
UVTOP270-NW-TO18, 275 ± 5 nm , 20 mA, TO-18, no window	o.r	o.r
280 nm		
UVTOP275-FW-TO18, 280 ± 5 nm , 20 mA, TO-18, flat window	o.r	o.r
UVTOP275-FW-TO39, 280 ± 5 nm , 20 mA, TO-39, flat window	o.r	o.r
UVTOP275-TFWR-TO39, 280 ± 5 nm , 20 mA, TO-39, tall flat window w. reflector	o.r	o.r


UVTOP275-HL-TO39, 280 ± 5 nm , 20 mA, TO-39, hemispherical lens	o.r	o.r
UVTOP275-BL-TO39, 280 ± 5 nm , 20 mA, TO-39, ball lens	o.r	o.r
UVTOP275-BL-TO18, 280 ± 5 nm , 20 mA, TO-18, ball lens	o.r	o.r
UVTOP275-NW-TO18, 280 ± 5 nm , 20 mA, TO-18, no window	o.r	o.r
DUV280-OC39, 280 ± 5 nm , 2 mW at 20 mA, ± 72°, TO-39, open can	167,14	179,26
DUV280-OC46, 280 ± 5 nm , 2 mW at 20 mA, ± 72°, TO-46S, open can	167,14	179,26
DUV280-FW5, 280 ± 5 nm , 1.5 mW at 20 mA, ± 58°, TO-5, flat window	172,86	185,39
DUV280-FW18, 280 ± 5 nm , 1.2 mW at 20 mA, ± 55°, TO-18, flat window	172,86	185,39
DUV280-HL5N, 280 ± 5 nm , 0.8 mW at 20 mA, ± 3°, TO-5, hemispherical lens	194,29	208,37
DUV280-HL5NR, 280 ± 5 nm , 0.6 mW at 20 mA, ± 3°, TO-5, hemispherical lens with reflector	200,00	214,50
DUV280-HL46N, 280 ± 5 nm , 0.9 mW at 20 mA, ± 3°, TO-46S, hemispherical lens	194,29	208,37
DUV280-HL18M, 280 ± 5 nm , 1.2 mW at 20 mA, ± 12°, TO-18, hemispherical lens	194,29	208,37
DUV280-HL18W, 280 ± 5 nm , 1.0 mW at 20 mA, ± 20°, TO-18, hemispherical lens	194,29	208,37
285 nm		
UVTOP280-FW-TO18, 285 ± 5 nm , 20 mA, TO-18, flat window	345,71	370,77
UVTOP280-FW-TO39, 285 ± 5 nm , 20 mA, TO-39, flat window	345,71	370,77
UVTOP280-TFWR-TO39, 285 ± 5 nm , 20 mA, TO-39, tall flat window w. reflector	o.r	o.r
UVTOP280-HL-TO39, 285 ± 5 nm , 20 mA, TO-39, hemispherical lens	361,27	387,46
UVTOP280-BL-TO39, 285 ± 5 nm , 20 mA, TO-39, ball lens	375,10	402,29
UVTOP280-BL-TO18, 285 ± 5 nm , 20 mA, TO-18, ball lens	375,10	402,29
UVTOP280-NW-TO18, 285 ± 5 nm , 20 mA, TO-18, no window	o.r	o.r
290 nm		
UVTOP285-FW-TO18, 290 ± 5 nm , 20 mA, TO-18, flat window	o.r	o.r
UVTOP285-FW-TO39, 290 ± 5 nm , 20 mA, TO-39, flat window	o.r	o.r
UVTOP285-TFWR-TO39, 290 ± 5 nm , 20 mA, TO-39, tall flat window w. reflector	o.r	o.r
UVTOP285-HL-TO39, 290 ± 5 nm , 20 mA, TO-39, hemispherical lens	o.r	o.r
UVTOP285-BL-TO39, 290 ± 5 nm , 20 mA, TO-39, ball lens	o.r	o.r
UVTOP285-BL-TO18, 290 ± 5 nm , 20 mA, TO-18, ball lens	o.r	o.r
UVTOP285-NW-TO18, 290 ± 5 nm , 20 mA, TO-18, no window	o.r	o.r
295 nm		
UVTOP290-FW-TO18, 295 ± 5 nm , 20 mA, TO-18, flat window	324,97	348,53
UVTOP290-FW-TO39, 295 ± 5 nm , 20 mA, TO-39, flat window	324,97	348,53
UVTOP290-TFWR-TO39, 295 ± 5 nm , 20 mA, TO-39, tall flat window w. reflector	o.r	o.r
UVTOP290-HL-TO39, 295 ± 5 nm , 20 mA, TO-39, hemispherical lens	338,80	363,36
UVTOP290-BL-TO39, 295 ± 5 nm , 20 mA, TO-39, ball lens	352,63	378,19
UVTOP290-BL-TO18, 295 ± 5 nm , 20 mA, TO-18, ball lens	352,63	378,19
UVTOP290-NW-TO18, 295 ± 5 nm , 20 mA, TO-18, no window	o.r	o.r
300 nm		
UVTOP295-FW-TO18, 300 ± 5 nm , 20 mA, TO-18, flat window	o.r	o.r
UVTOP295-FW-TO39, 300 ± 5 nm , 20 mA, TO-39, flat window	o.r	o.r
UVTOP295-TFWR-TO39, 300 ± 5 nm , 20 mA, TO-39, tall flat window w. reflector	o.r	o.r
UVTOP295-HL-TO39, 300 ± 5 nm , 20 mA, TO-39, hemispherical lens	o.r	o.r
UVTOP295-BL-TO39, 300 ± 5 nm , 20 mA, TO-39, ball lens	o.r	o.r
UVTOP295-BL-TO18, 300 ± 5 nm , 20 mA, TO-18, ball lens	o.r	o.r
UVTOP295-NW-TO18, 300 ± 5 nm , 20 mA, TO-18, no window	o.r	o.r
305 nm		
UVTOP300-FW-TO18, 305 ± 5 nm , 20 mA, TO-18, flat window	o.r	o.r
UVTOP300-FW-TO39, 305 ± 5 nm , 20 mA, TO-39, flat window	o.r	o.r
UVTOP300-TFWR-TO39, 305 ± 5 nm , 20 mA, TO-39, tall flat window w. reflector	o.r	o.r
UVTOP300-HL-TO39, 305 ± 5 nm , 20 mA, TO-39, hemispherical lens	o.r	o.r
UVTOP300-BL-TO39, 305 ± 5 nm , 20 mA, TO-39, ball lens	o.r	o.r
UVTOP300-BL-TO18, 305 ± 5 nm , 20 mA, TO-18, ball lens	o.r	o.r
UVTOP300-NW-TO18, 305 ± 5 nm , 20 mA, TO-18, no window	o.r	o.r
310 nm		
UVTOP305-FW-TO18, 310 ± 5 nm , 20 mA, TO-18, flat window	305,96	328,13
UVTOP305-FW-TO39, 310 ± 5 nm , 20 mA, TO-39, flat window	305,96	328,13
UVTOP305-TFWR-TO39, 310 ± 5 nm , 20 mA, TO-39, tall flat window w. reflector	o.r	o.r
UVTOP305-HL-TO39, 310 ± 5 nm , 20 mA, TO-39, hemispherical lens	318,06	341,11
UVTOP305-BL-TO39, 310 ± 5 nm , 20 mA, TO-39, ball lens	331,89	355,94
UVTOP305-BL-TO18, 310 ± 5 nm , 20 mA, TO-18, ball lens	331,89	355,94

UVTOP305-NW-TO18, 310 ± 5 nm , 20 mA, TO-18, no window	o.r	o.r
DUV310-OC39, 310 ± 5 nm , 1.6 mW at 20 mA, ± 72°, TO-39, open can	148,57	159,34
DUV310-OC46, 310 ± 5 nm , 1.6 mW at 20 mA, ± 72°, TO-46S, open can	148,57	159,34
DUV310-FW5, 310 ± 5 nm , 0.8 mW at 20 mA, ± 58°, TO-5, flat window	154,29	165,47
DUV310-FW18, 310 ± 5 nm , 0.7 mW at 20 mA, ± 55°, TO-18, flat window	154,29	165,47
DUV310-HL5N, 310 ± 5 nm , 0.4 mW at 20 mA, ± 3°, TO-5, hemispherical lens	175,71	188,45
DUV310-HL5NR, 310 ± 5 nm , 0.9 mW at 20 mA, ± 3°, TO-5, hemispherical lens with reflector	182,86	196,11
DUV310-HL46N, 310 ± 5 nm , 0.4 mW at 20 mA, ± 3°, TO-46S, hemispherical lens	175,71	188,45
DUV310-HL18M, 310 ± 5 nm , 0.6 mW at 20 mA, ± 12°, TO-18, hemispherical lens	175,71	188,45
DUV310-HL18W, 310 ± 5 nm , 0.6 mW at 20 mA, ± 20°, TO-18, hemispherical lens	175,71	188,45
315 nm		
UVTOP310-FW-TO18, 315 ± 5 nm , 20 mA, TO-18, flat window	o.r	o.r
UVTOP310-FW-TO39, 315 ± 5 nm , 20 mA, TO-39, flat window	o.r	o.r
UVTOP310-TFWR-TO39, 315 ± 5 nm , 20 mA, TO-39, tall flat window w. reflector	o.r	o.r
UVTOP310-HL-TO39, 315 ± 5 nm , 20 mA, TO-39, hemispherical lens	o.r	o.r
UVTOP310-BL-TO39, 315 ± 5 nm , 20 mA, TO-39, ball lens	o.r	o.r
UVTOP310-BL-TO18, 315 ± 5 nm , 20 mA, TO-18, ball lens	o.r	o.r
UVTOP310-NW-TO18, 315 ± 5 nm , 20 mA, TO-18, no window	o.r	o.r
320 nm		
UVTOP315-FW-TO18, 320 ± 5 nm , 20 mA, TO-18, flat window	o.r	o.r
UVTOP315-FW-TO39, 320 ± 5 nm , 20 mA, TO-39, flat window	o.r	o.r
UVTOP315-TFWR-TO39, 320 ± 5 nm , 20 mA, TO-39, tall flat window w. reflector	o.r	o.r
UVTOP315-HL-TO39, 320 ± 5 nm , 20 mA, TO-39, hemispherical lens	o.r	o.r
UVTOP315-BL-TO39, 320 ± 5 nm , 20 mA, TO-39, ball lens	o.r	o.r
UVTOP315-BL-TO18, 320 ± 5 nm , 20 mA, TO-18, ball lens	o.r	o.r
UVTOP315-NW-TO18, 320 ± 5 nm , 20 mA, TO-18, no window	o.r	o.r
325 nm		
DUV325-OC39, 325 ± 5 nm , 1.5 mW at 20 mA, ± 72°, TO-39, open can	107,14	114,91
DUV325-OC46, 325 ± 5 nm , 1.5 mW at 20 mA, ± 72°, TO-46S, open can	107,14	114,91
DUV325-FW5, 325 ± 5 nm , 0.9 mW at 20 mA, ± 58°, TO-5, flat window	112,86	121,04
DUV325-FW18, 325 ± 5 nm , 0.8 mW at 20 mA, ± 55°, TO-18, flat window	112,86	121,04
DUV325-HL5N, 325 ± 5 nm , 0.5 mW at 20 mA, ± 3°, TO-5, hemispherical lens	134,29	144,02
DUV325-HL5NR, 325 ± 5 nm , 0.9 mW at 20 mA, ± 3°, TO-5, hemispherical lens with reflector	140,00	150,15
DUV325-HL46N, 325 ± 5 nm , 0.5 mW at 20 mA, ± 3°, TO-46S, hemispherical lens	134,29	144,02
DUV325-HL18M, 325 ± 5 nm , 0.8 mW at 20 mA, ± 12°, TO-18, hemispherical lens	134,29	144,02
DUV325-HL18W, 325 ± 5 nm , 0.7 mW at 20 mA, ± 20°, TO-18, hemispherical lens	134,29	144,02
330 nm		
UVTOP325-FW-TO18, 330 ± 5 nm , 20 mA, TO-18, flat window	o.r	o.r
UVTOP325-FW-TO39, 330 ± 5 nm , 20 mA, TO-39, flat window	o.r	o.r
UVTOP325-TFWR-TO39, 330 ± 5 nm , 20 mA, TO-39, tall flat window w. reflector	o.r	o.r
UVTOP325-HL-TO39, 330 ± 5 nm , 20 mA, TO-39, hemispherical lens	o.r	o.r
UVTOP325-BL-TO39, 330 ± 5 nm , 20 mA, TO-39, ball lens	o.r	o.r
UVTOP325-BL-TO18, 330 ± 5 nm , 20 mA, TO-18, ball lens	o.r	o.r
UVTOP325-NW-TO18, 330 ± 5 nm , 20 mA, TO-18, no window	o.r	o.r
340 nm		
UVTOP335-FW-TO18, 340 ± 5 nm , 20 mA, TO-18, flat window	o.r	o.r
UVTOP335-FW-TO39, 340 ± 5 nm , 20 mA, TO-39, flat window	o.r	o.r
UVTOP335-TFWR-TO39, 340 ± 5 nm , 20 mA, TO-39, tall flat window w. reflector	o.r	o.r
UVTOP335-HL-TO39, 340 ± 5 nm , 20 mA, TO-39, hemispherical lens	o.r	o.r
UVTOP335-BL-TO39, 340 ± 5 nm , 20 mA, TO-39, ball lens	o.r	o.r
UVTOP335-BL-TO18, 340 ± 5 nm , 20 mA, TO-18, ball lens	o.r	o.r
UVTOP335-NW-TO18, 340 ± 5 nm , 20 mA, TO-18, no window	o.r	o.r
DUV340-OC39, 340 ± 5 nm , 1.5 mW at 20 mA, ± 72°, TO-39, open can	107,14	114,91
DUV340-OC46, 340 ± 5 nm , 1.5 mW at 20 mA, ± 72°, TO-46S, open can	107,14	114,91
DUV340-FW5, 340 ± 5 nm , 1.0 mW at 20 mA, ± 58°, TO-5, flat window	112,86	121,04
DUV340-FW18, 340 ± 5 nm , 0.8 mW at 20 mA, ± 55°, TO-18, flat window	112,86	121,04
DUV340-HL5N, 340 ± 5 nm , 0.6 mW at 20 mA, ± 3°, TO-5, hemispherical lens	134,29	144,02
DUV340-HL5NR, 340 ± 5 nm , 0.7 mW at 20 mA, ± 3°, TO-5, hemispherical lens with reflector	140,00	150,15
DUV340-HL46N, 340 ± 5 nm , 0.6 mW at 20 mA, ± 3°, TO-46S, hemispherical lens	134,29	144,02
DUV340-HL18M, 340 ± 5 nm , 0.8 mW at 20 mA, ± 12°, TO-18, hemispherical lens	134,29	144,02


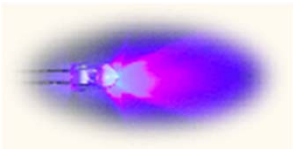
DUV340-HL18W, 340 ±5 nm , 0.8 mW at 20 mA, ± 20°, TO-18, hemispherical lens	134,29	144,02
DEEP UV HIGH POWER LED ARRAYS 255 nm - 345 nm TO-Can 4-9 chip dies	EUR	USD
 <p>4 & 9 chip DEEP-UV LEDs TO-Can</p> <ul style="list-style-type: none"> - TO39 - Output power up to 5 mW - quartz glass lens or flat window - water purification / disinfection / phototherapy DNA sequencing, Blood Gas Measurements 	1-10 pcs.	1-10 pcs.
255 nm		
UVLUX250-FW-3, 255 ± 5 nm , 1-3 mW, TO-39, flat window	931,22	998,72
UVLUX250-FW-5, 255 ± 5 nm , 3-5 mW, TO-39, flat window	1.074,71	1.152,60
UVLUX250-HL-3, 255 ± 5 nm , 1-3 mW, TO-39, hemispherical lens	945,57	1.014,11
UVLUX250-HL-5, 255 ± 5 nm , 3-5 mW, TO-39, hemispherical lens	1.103,41	1.183,38
265 nm		
UVLUX260-FW-3, 265 ± 5 nm , 1-3 mW, TO-39, flat window	500,77	537,06
UVLUX260-FW-5, 265 ± 5 nm , 3-5 mW, TO-39, flat window	1.002,97	1.075,66
UVLUX260-HL-3, 265 ± 5 nm , 1-3 mW, TO-39, hemispherical lens	515,11	552,45
UVLUX260-HL-5, 265 ± 5 nm , 3-5 mW, TO-39, hemispherical lens	1.046,01	1.121,83
275 nm		
UVLUX270-FW-3, 275 ± 5 nm , 1-3 mW, TO-39, flat window	429,02	460,12
UVLUX270-FW-5, 275 ± 5 nm , 3-5 mW, TO-39, flat window	931,22	998,72
UVLUX270-HL-3, 275 ± 5 nm , 1-3 mW, TO-39, hemispherical lens	457,72	490,89
UVLUX270-HL-5, 275 ± 5 nm , 3-5 mW, TO-39, hemispherical lens	945,57	1.014,11
280 nm		
UVLUX275-FW-3, 280 ± 5 nm , 1-3 mW, TO-39, flat window	429,02	460,12
UVLUX275-FW-5, 280 ± 5 nm , 3-5 mW, TO-39, flat window	902,53	967,94
UVLUX275-HL-3, 280 ± 5 nm , 1-3 mW, TO-39, hemispherical lens	457,72	490,89
UVLUX275-HL-5, 280 ± 5 nm , 3-5 mW, TO-39, hemispherical lens	931,22	998,72
290 nm		
UVLUX285-FW-3, 290 ± 5 nm , 1-3 mW, TO-39, flat window	400,33	429,34
UVLUX285-FW-5, 290 ± 5 nm , 3-5 mW, TO-39, flat window	873,83	937,16
UVLUX285-HL-3, 290 ± 5 nm , 1-3 mW, TO-39, hemispherical lens	414,67	444,73
UVLUX285-HL-5, 290 ± 5 nm , 3-5 mW, TO-39, hemispherical lens	888,18	952,55
300 nm		
UVLUX295-FW-3, 300 ± 5 nm , 1-3 mW, TO-39, flat window	357,28	383,18
UVLUX295-FW-5, 300 ± 5 nm , 3-5 mW, TO-39, flat window	859,48	921,77
UVLUX295-HL-3, 300 ± 5 nm , 1-3 mW, TO-39, hemispherical lens	371,63	398,56
UVLUX295-HL-5, 300 ± 5 nm , 3-5 mW, TO-39, hemispherical lens	873,83	937,16
310 nm		
UVLUX305-FW-3, 310 ± 5 nm , 1-3 mW, TO-39, flat window	328,58	352,40
UVLUX305-FW-5, 310 ± 5 nm , 3-5 mW, TO-39, flat window	787,74	844,83
UVLUX305-HL-3, 310 ± 5 nm , 1-3 mW, TO-39, hemispherical lens	342,93	367,79
UVLUX305-HL-5, 310 ± 5 nm , 3-5 mW, TO-39, hemispherical lens	802,09	860,22
320 nm		
UVLUX315-FW-3, 320 ± 5 nm , 1-3 mW, TO-39, flat window	328,58	352,40
UVLUX315-FW-5, 320 ± 5 nm , 3-5 mW, TO-39, flat window	787,74	844,83
UVLUX315-HL-3, 320 ± 5 nm , 1-3 mW, TO-39, hemispherical lens	342,93	367,79
UVLUX315-HL-5, 320 ± 5 nm , 3-5 mW, TO-39, hemispherical lens	802,09	860,22
330 nm		
UVLUX320-FW-3, 330 ± 10 nm , 1-3 mW, TO-39, flat window	285,54	306,23
UVLUX320-FW-5, 330 ± 10 nm , 3-5 mW, TO-39, flat window	715,99	767,89
UVLUX320-HL-3, 330 ± 10 nm , 1-3 mW, TO-39, hemispherical lens	299,89	321,62
UVLUX320-HL-5, 330 ± 10 nm , 3-5 mW, TO-39, hemispherical lens	730,34	783,28
340 nm		
UVLUX335-FW-3, 340 ± 5 nm , 1-3 mW, TO-39, flat window	285,54	306,23
UVLUX335-FW-5, 340 ± 5 nm , 3-5 mW, TO-39, flat window	715,99	767,89
UVLUX335-HL-3, 340 ± 5 nm , 1-3 mW, TO-39, hemispherical lens	299,89	321,62
UVLUX335-HL-5, 340 ± 5 nm , 3-5 mW, TO-39, hemispherical lens	730,34	783,28
DEEP UV LEDs 235 nm - 340 nm Fiber coupled	EUR	USD

 DEEP-UV LEDs fiber coupled <ul style="list-style-type: none"> - single chip and multi wavelength available - pigtail or SMA connector only - output power up to 150 μW - 600μm anti-solarization UV resistant fiber - 400, 800, and 1000μm available on request 	1-10 pcs.	1-10 pcs.
235 nm (evaluation samples only)		
UVTOP230-PT6S, 235 \pm 5 nm , 20 mA, fiber pigtail with SMA connector, 600 μ m, 50cm	o.r	o.r
UVTOP230-PT6, 235 \pm 5 nm , 20 mA, fiber pigtail, 600 μ m, 50cm	o.r	o.r
UVTOP230-SMA, 235 \pm 5 nm , 20 mA, SMA connector only	o.r	o.r
245 nm		
UVTOP240-PT6, 245 \pm 5 nm , 20 mA, fiber pigtail, 600 μ m, 50cm	1.606,11	1.722,52
UVTOP240-PT6S, 245 \pm 5 nm , 20 mA, fiber pigtail with SMA connector, 600 μ m, 50cm	1.533,04	1.644,15
UVTOP240-SMA, 245 \pm 5 nm , 20 mA, SMA connector only	1.533,04	1.644,15
250 nm		
UVTOP245-PT6S, 250 \pm 5 nm , 20 mA, fiber pigtail with SMA connector, 600 μ m, 50cm	1.459,97	1.565,79
UVTOP245-PT6, 250 \pm 5 nm , 20 mA, fiber pigtail, 600 μ m, 50cm	1.386,90	1.487,42
UVTOP245-SMA, 250 \pm 5 nm , 20 mA, SMA connector only	1.386,90	1.487,42
255 nm		
UVTOP250-PT6S, 255 \pm 5 nm , 20 mA, fiber pigtail with SMA connector, 600 μ m, 50cm	1.313,82	1.409,05
UVTOP250-PT6, 255 \pm 5 nm , 20 mA, fiber pigtail, 600 μ m, 50cm	1.240,75	1.330,68
UVTOP250-SMA, 255 \pm 5 nm , 20 mA, SMA connector only	1.240,75	1.330,68
265 nm		
UVTOP260-PT6S, 265 \pm 5 nm , 20 mA, fiber pigtail with SMA connector, 600 μ m, 50cm	1.240,75	1.330,68
UVTOP260-PT6, 265 \pm 5 nm , 20 mA, fiber pigtail, 600 μ m, 50cm	1.167,68	1.252,31
UVTOP260-SMA, 265 \pm 5 nm , 20 mA, SMA connector only	1.167,68	1.252,31
275 nm		
UVTOP270-PT6S, 275 \pm 5 nm , 20 mA, fiber pigtail with SMA connector, 600 μ m, 50cm	1.167,68	1.252,31
UVTOP270-PT6, 275 \pm 5 nm , 20 mA, fiber pigtail, 600 μ m, 50cm	1.094,61	1.173,95
UVTOP270-SMA, 275 \pm 5 nm , 20 mA, SMA connector only	1.094,61	1.173,95
285 nm		
UVTOP280-PT6S, 285 \pm 5 nm , 20 mA, fiber pigtail with SMA connector, 600 μ m, 50cm	1.094,61	1.173,95
UVTOP280-PT6, 285 \pm 5 nm , 20 mA, fiber pigtail, 600 μ m, 50cm	1.021,54	1.095,58
UVTOP280-SMA, 285 \pm 5 nm , 20 mA, SMA connector only	1.021,54	1.095,58
295 nm		
UVTOP290-PT6S, 295 \pm 5 nm , 20 mA, fiber pigtail with SMA connector, 600 μ m, 50cm	1.021,54	1.095,58
UVTOP290-PT6, 295 \pm 5 nm , 20 mA, fiber pigtail, 600 μ m, 50cm	948,51	1.017,26
UVTOP290-SMA, 295 \pm 5 nm , 20 mA, SMA connector only	948,51	1.017,26
305 nm		
UVTOP300-PT6S, 305 \pm 5 nm , 20 mA, fiber pigtail with SMA connector, 600 μ m, 50cm	948,51	1.017,26
UVTOP300-PT6, 305 \pm 5 nm , 20 mA, fiber pigtail, 600 μ m, 50cm	875,44	938,89
UVTOP300-SMA, 305 \pm 5 nm , 20 mA, SMA connector only	875,44	938,89
315 nm		
UVTOP310-PT6S, 315 \pm 5 nm , 20 mA, fiber pigtail with SMA connector, 600 μ m, 50cm	948,51	1.017,26
UVTOP310-PT6, 315 \pm 5 nm , 20 mA, fiber pigtail, 600 μ m, 50cm	875,44	938,89
UVTOP310-SMA, 315 \pm 5 nm , 20 mA, SMA connector only	875,44	938,89
325 nm		
UVTOP320-PT6S, 325 \pm 5 nm , 20 mA, fiber pigtail with SMA connector, 600 μ m, 50cm	875,44	938,89
UVTOP320-PT6, 325 \pm 5 nm , 20 mA, fiber pigtail, 600 μ m, 50cm	802,37	860,53
UVTOP320-SMA, 325 \pm 5 nm , 20 mA, SMA connector only	802,37	860,53
340 nm		
UVTOP335-PT6S, 340 \pm 5 nm , 20 mA, fiber pigtail with SMA connector, 600 μ m, 50cm	802,37	860,53
UVTOP335-PT6, 340 \pm 5 nm , 20 mA, fiber pigtail, 600 μ m, 50cm	729,30	782,16
UVTOP335-SMA, 340 \pm 5 nm , 20 mA, SMA connector only	729,30	782,16
DEEP UV LEDs 265 nm - 340 nm SMD	EUR	USD

 <p>single emitter DEEP-UV LEDs SMD</p> <ul style="list-style-type: none"> - Bare chip die, chip on submount, SMD - reflow solderable - for industrial processing - water purification / disinfection / phototherapy DNA sequencing, Blood Gas Measurements <p>265 nm - 340 nm</p>		
	1-10 pcs.	1-10 pcs.
265 nm		
DUV265-CHIP, 265 ±5 nm , 0.9 mW at 20 mA, ± 72°, bare chip die	185,71	199,17
DUV265-CS1, 265 ±5 nm , 0.9 mW at 20 mA, ± 72°, bare die on Si submount, 1.3 x 1.5 mm	191,43	205,30
DUV265-CS2, 265 ±5 nm , 0.9 mW at 20 mA, ± 72°, bare die on Si submount, 0.9 x 0.8 mm	191,43	205,30
DUV265-SMD, 265 ±5 nm , 0.5 mW at 20 mA, ± 56°, ceramic SMD 3020, flat window	188,57	202,24
275 nm		
UVTOP270-FW-SMD, 275 ±5 nm , 20 mA, 3.5x3.5x0.8mm SMD, flat window	56,57	60,67
UVTOP270-EW-SMD, 275 ±5 nm , 20 mA, 3.5x3.5x0.8mm SMD, encapsulated window	o.r	o.r
UVTOP270-HL-SMD, 275 ±5 nm , 20 mA, 3.5x3.5x0.8mm SMD, hemispherical lens	o.r	o.r
UVTOP270-NW-SMD, 275 ±5 nm , 20 mA, 3.5x3.5x0.8mm SMD, no window	o.r	o.r
280 nm		
DUV280-CHIP, 280 ±5 nm , 2 mW at 20 mA, ± 72°, bare chip die	150,00	160,87
DUV280-CS1, 280 ±5 nm , 2 mW at 20 mA, ± 72°, bare die on Si submount, 1.3 x 1.5 mm	155,71	167,00
DUV280-CS2, 280 ±5 nm , 2 mW at 20 mA, ± 72°, bare die on Si submount, 0.9 x 0.8 mm	155,71	167,00
DUV280-SMD, 280 ±5 nm , 1.2 mW at 20 mA, ± 56°, ceramic SMD 3020, flat window	155,71	167,00
285 nm		
UVTOP280-FW-SMD, 285 ±5 nm , 20 mA, 3.5x3.5x0.8mm SMD, flat window	56,57	60,67
UVTOP280-EW-SMD, 285 ±5 nm , 20 mA, 3.5x3.5x0.8mm SMD, encapsulated window	o.r	o.r
UVTOP280-HL-SMD, 285 ±5 nm , 20 mA, 3.5x3.5x0.8mm SMD, hemispherical lens	o.r	o.r
UVTOP280-NW-SMD, 285 ±5 nm , 20 mA, 3.5x3.5x0.8mm SMD, no window	o.r	o.r
295 nm		
UVTOP290-FW-SMD, 295 ±5 nm , 20 mA, 3.5x3.5x0.8mm SMD, flat window	56,57	60,67
UVTOP290-EW-SMD, 295 ±5 nm , 20 mA, 3.5x3.5x0.8mm SMD, encapsulated window	o.r	o.r
UVTOP290-HL-SMD, 295 ±5 nm , 20 mA, 3.5x3.5x0.8mm SMD, hemispherical lens	o.r	o.r
UVTOP290-NW-SMD, 295 ±5 nm , 20 mA, 3.5x3.5x0.8mm SMD, no window	o.r	o.r
310 nm		
UVTOP305-FW-SMD, 310 ±5 nm , 20 mA, 3.5x3.5x0.8mm SMD, flat window	56,57	60,67
UVTOP305-EW-SMD, 310 ±5 nm , 20 mA, 3.5x3.5x0.8mm SMD, encapsulated window	o.r	o.r
UVTOP305-HL-SMD, 310 ±5 nm , 20 mA, 3.5x3.5x0.8mm SMD, hemispherical lens	o.r	o.r
UVTOP305-NW-SMD, 310 ±5 nm , 20 mA, 3.5x3.5x0.8mm SMD, no window	o.r	o.r
DUV310-CHIP, 310 ±5 nm , 1.6 mW at 20 mA, ± 72°, bare chip die	131,43	140,95
DUV310-CS1, 310 ±5 nm , 1.6 mW at 20 mA, ± 72°, bare die on Si submount, 1.3 x 1.5 mm	138,57	148,62
DUV310-CS2, 310 ±5 nm , 1.6 mW at 20 mA, ± 72°, bare die on Si submount, 0.9 x 0.8 mm	138,57	148,62
DUV310-SMD, 310 ±5 nm , 0.8 mW at 20 mA, ± 56°, ceramic SMD 3020, flat window	138,57	148,62
325 nm		
DUV325-CHIP, 325 ±5 nm , 1.5 mW at 20 mA, ± 72°, bare chip die	90,00	96,52
DUV325-CS1, 325 ±5 nm , 1.5 mW at 20 mA, ± 72°, bare die on Si submount, 1.3 x 1.5 mm	95,71	102,65
DUV325-CS2, 325 ±5 nm , 1.5 mW at 20 mA, ± 72°, bare die on Si submount, 0.9 x 0.8 mm	95,71	102,65
DUV325-SMD, 325 ±5 nm , 0.9 mW at 20 mA, ± 56°, ceramic SMD 3020, flat window	101,43	108,78
340 nm		
DUV340-CHIP, 340 ±5 nm , 1.5 mW at 20 mA, ± 72°, bare chip die	90,00	96,52
DUV340-CS1, 340 ±5 nm , 1.5 mW at 20 mA, ± 72°, bare die on Si submount, 1.3 x 1.5 mm	95,71	102,65
DUV340-CS2, 340 ±5 nm , 1.5 mW at 20 mA, ± 72°, bare die on Si submount, 0.9 x 0.8 mm	95,71	102,65
DUV340-SMD, 340 ±5 nm , 1.2 mW at 20 mA, ± 56°, ceramic SMD 3020, flat window	101,43	108,78
DEEP UV LED ARRAYS 265 nm - 340 nm SMD 9 chip dies	EUR	USD
 <ul style="list-style-type: none"> - 9 chip DEEP-UV SMD LED array - Output power up to 11mW - Aperture area ~20mm" - flat quartz glass window - ESD protection <p>265 nm - 340 nm</p>	1-10 pcs.	1-10 pcs.



DUV265-A9C, 265 ±5 nm , 5.7 mW at 60 mA, ± 65°, 30x30x3 mm, flat window	1.428,00	1.531,50
DUV280-A9C, 280 ±10 nm , 10.8 mW at 60 mA, ± 65°, 30x30x3 mm, flat window	1.183,00	1.268,74
DUV310-A9C, 310 ±5 nm , 6.2 mW at 60 mA, ± 65°, 30x30x3 mm, flat window	1.058,00	1.134,68
DUV325-A9C, 325 ±5 nm , 8.8 mW at 60 mA, ± 65°, 30x30x3 mm, flat window	771,00	826,88
DUV340-A9C, 340 ±5 nm , 8.8 mW at 60 mA, ± 65°, 30x30x3 mm, flat window	771,00	826,88
DEEP UV HIGH POWER SINGLE EMITTER LED SMD	EUR	USD
 <p>High Power single chip design</p> <ul style="list-style-type: none"> - small foot print: 4.2 x 4.2 mm - reflow solderable - RoHS compliant <p>10 mW 275 nm, 285 nm</p>	1-10 pcs.	1-10 pcs.
UVMAX270-SMD-10, 275 ± 5 nm , 10 mW, SMD	289,14	310,10
UVMAX280-SMD-10, 285 ± 5 nm , 10 mW, SMD	289,14	310,10
DEEP UV HIGH POWER LED ARRAYS 255 nm - 345 nm TO-Can 32-64 chip dies	EUR	USD
 <p>32 & 64 chip DEEP-UV LED Arrays</p> <ul style="list-style-type: none"> - TO-3 - Output power up to 50 mW - quartz glass lens or flat window - TEC (optional) <p>255 nm - 345 nm</p>	1-10 pcs.	1-10 pcs.
255 nm		
UVMAX250-FW-15, 255 ± 5 nm , 10-15 mW, TO-3, flat window	3.083,51	3.307,00
UVMAX250-FW-15-TEC, 255 ± 5 nm , 10-15 mW, TO-3 with TEC, flat window	3.226,99	3.460,89
UVMAX250-HL-15, 255 ± 5 nm , 10-15 mW, TO-3, hemispherical lens	3.155,25	3.383,94
UVMAX250-HL-15-TEC, 255 ± 5 nm , 10-15 mW, TO-3, hemispherical lens, TEC	3.298,74	3.537,83
UVMAX250-FW-50, 255 ± 5 nm , 30-50 mW, TO-3, flat window	8.966,11	9.615,97
UVMAX250-FW-50-TEC, 255 ± 5 nm , 30-50 mW, TO-3 with TEC, flat window	9.253,08	9.923,74
UVMAX250-HL-50, 255 ± 5 nm , 30-50 mW, TO-3, hemispherical lens	9.253,08	9.923,74
UVMAX250-HL-50-TEC, 255 ± 5 nm , 30-50 mW, TO-3, hemispherical lens, TEC	9.683,54	10.385,40
265 nm		
UVMAX260-FW-15, 265 ± 5 nm , 10-15 mW, TO-3, flat window	2.724,79	2.922,29
UVMAX260-FW-15-TEC, 265 ± 5 nm , 10-15 mW, TO-3 with TEC, flat window	2.868,28	3.076,17
UVMAX260-HL-15, 265 ± 5 nm , 10-15 mW, TO-3, hemispherical lens	2.796,54	2.999,23
UVMAX260-HL-15-TEC, 265 ± 5 nm , 10-15 mW, TO-3, hemispherical lens, TEC	3.226,99	3.460,89
UVMAX260-FW-50, 265 ± 5 nm , 30-50 mW, TO-3, flat window	8.320,42	8.923,49
UVMAX260-FW-50-TEC, 265 ± 5 nm , 30-50 mW, TO-3 with TEC, flat window	8.607,39	9.231,26
UVMAX260-HL-50, 265 ± 5 nm , 30-50 mW, TO-3, hemispherical lens	8.607,39	9.231,26
UVMAX260-HL-50-TEC, 265 ± 5 nm , 30-50 mW, TO-3, hemispherical lens, TEC	9.037,85	9.692,91
275 nm		
UVMAX270-FW-15, 275 ± 5 nm , 10-15 mW, TO-3, flat window	2.437,82	2.614,52
UVMAX270-FW-15-TEC, 275 ± 5 nm , 10-15 mW, TO-3 with TEC, flat window	2.581,31	2.768,40
UVMAX270-HL-15, 275 ± 5 nm , 10-15 mW, TO-3, hemispherical lens	2.509,57	2.691,46
UVMAX270-HL-15-TEC, 275 ± 5 nm , 10-15 mW, TO-3, hemispherical lens, TEC	2.653,05	2.845,34
UVMAX270-FW-50, 275 ± 5 nm , 30-50 mW, TO-3, flat window	7.602,99	8.154,06
UVMAX270-FW-50-TEC, 275 ± 5 nm , 30-50 mW, TO-3 with TEC, flat window	7.889,96	8.461,83
UVMAX270-HL-50, 275 ± 5 nm , 30-50 mW, TO-3, hemispherical lens	7.889,96	8.461,83
UVMAX270-HL-50-TEC, 275 ± 5 nm , 30-50 mW, TO-3, hemispherical lens, TEC	8.176,94	8.769,60
280 nm		
UVMAX275-FW-15, 280 ± 5 nm , 10-15 mW, TO-3, flat window	2.150,85	2.306,74
UVMAX275-FW-15-TEC, 280 ± 5 nm , 10-15 mW, TO-3 with TEC, flat window	2.294,34	2.460,63
UVMAX275-HL-15, 280 ± 5 nm , 10-15 mW, TO-3, hemispherical lens	2.222,59	2.383,69
UVMAX275-HL-15-TEC, 280 ± 5 nm , 10-15 mW, TO-3, hemispherical lens, TEC	2.366,08	2.537,57
UVMAX275-FW-50, 280 ± 5 nm , 30-50 mW, TO-3, flat window	6.885,56	7.384,63
UVMAX275-FW-50-TEC, 280 ± 5 nm , 30-50 mW, TO-3 with TEC, flat window	7.172,54	7.692,40
UVMAX275-HL-50, 280 ± 5 nm , 30-50 mW, TO-3, hemispherical lens	7.172,54	7.692,40
UVMAX275-HL-50-TEC, 280 ± 5 nm , 30-50 mW, TO-3, hemispherical lens, TEC	7.459,51	8.000,17
290 nm		

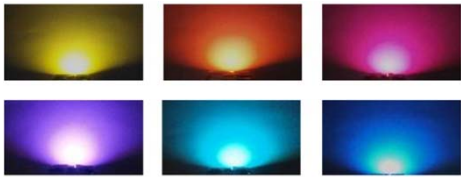
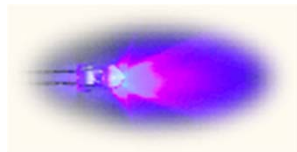
UVMAX285-FW-15, 290 ± 5 nm , 10-15 mW, TO-3, flat window	1.863,88	1.998,97
UVMAX285-FW-15-TEC, 290 ± 5 nm , 10-15 mW, TO-3 with TEC, flat window	2.007,37	2.152,86
UVMAX285-HL-15, 290 ± 5 nm , 10-15 mW, TO-3, hemispherical lens	1.935,62	2.075,92
UVMAX285-HL-15-TEC, 290 ± 5 nm , 10-15 mW, TO-3, hemispherical lens, TEC	2.079,11	2.229,80
UVMAX285-FW-50, 290 ± 5 nm , 30-50 mW, TO-3, flat window	5.737,68	6.153,55
UVMAX285-FW-50-TEC, 290 ± 5 nm , 30-50 mW, TO-3 with TEC, flat window	6.168,14	6.615,20
UVMAX285-HL-50, 290 ± 5 nm , 30-50 mW, TO-3, hemispherical lens	6.024,65	6.461,32
UVMAX285-HL-50-TEC, 290 ± 5 nm , 30-50 mW, TO-3, hemispherical lens, TEC	6.455,11	6.922,97
300 nm		
UVMAX295-FW-15, 300 ± 5 nm , 10-15 mW, TO-3, flat window	1.289,94	1.383,43
UVMAX295-FW-15-TEC, 300 ± 5 nm , 10-15 mW, TO-3 with TEC, flat window	1.433,42	1.537,32
UVMAX295-HL-15, 300 ± 5 nm , 10-15 mW, TO-3, hemispherical lens	1.361,68	1.460,37
UVMAX295-HL-15-TEC, 300 ± 5 nm , 10-15 mW, TO-3, hemispherical lens, TEC	1.505,17	1.614,26
UVMAX295-FW-50, 300 ± 5 nm , 30-50 mW, TO-3, flat window	5.450,71	5.845,77
UVMAX295-FW-50-TEC, 300 ± 5 nm , 30-50 mW, TO-3 with TEC, flat window	5.737,68	6.153,55
UVMAX295-HL-50, 300 ± 5 nm , 30-50 mW, TO-3, hemispherical lens	5.737,68	6.153,55
UVMAX295-HL-50-TEC, 300 ± 5 nm , 30-50 mW, TO-3, hemispherical lens, TEC	6.024,65	6.461,32
310 nm		
UVMAX305-FW-15, 310 ± 5 nm , 10-15 mW, TO-3, flat window	1.218,19	1.306,49
UVMAX305-FW-15-TEC, 310 ± 5 nm , 10-15 mW, TO-3 with TEC, flat window	1.289,94	1.383,43
UVMAX305-HL-15, 310 ± 5 nm , 10-15 mW, TO-3, hemispherical lens	1.289,94	1.383,43
UVMAX305-HL-15-TEC, 310 ± 5 nm , 10-15 mW, TO-3, hemispherical lens, TEC	1.361,68	1.460,37
UVMAX305-FW-50, 310 ± 5 nm , 30-50 mW, TO-3, flat window	5.163,74	5.538,00
UVMAX305-FW-50-TEC, 310 ± 5 nm , 30-50 mW, TO-3 with TEC, flat window	5.450,71	5.845,77
UVMAX305-HL-50, 310 ± 5 nm , 30-50 mW, TO-3, hemispherical lens	5.450,71	5.845,77
UVMAX305-HL-50-TEC, 310 ± 5 nm , 30-50 mW, TO-3, hemispherical lens, TEC	5.737,68	6.153,55
320 nm		
UVMAX315-FW-15, 320 ± 5 nm , 10-15 mW, TO-3, flat window	1.218,19	1.306,49
UVMAX315-FW-15-TEC, 320 ± 5 nm , 10-15 mW, TO-3 with TEC, flat window	1.289,94	1.383,43
UVMAX315-HL-15, 320 ± 5 nm , 10-15 mW, TO-3, hemispherical lens	1.289,94	1.383,43
UVMAX315-HL-15-TEC, 320 ± 5 nm , 10-15 mW, TO-3, hemispherical lens, TEC	1.361,68	1.460,37
UVMAX315-FW-50, 320 ± 5 nm , 30-50 mW, TO-3, flat window	5.163,74	5.538,00
UVMAX315-FW-50-TEC, 320 ± 5 nm , 30-50 mW, TO-3 with TEC, flat window	5.450,71	5.845,77
UVMAX315-HL-50, 320 ± 5 nm , 30-50 mW, TO-3, hemispherical lens	5.450,71	5.845,77
UVMAX315-HL-50-TEC, 320 ± 5 nm , 30-50 mW, TO-3, hemispherical lens, TEC	5.737,68	6.153,55
330 nm		
UVMAX320-FW-15, 330 ± 10 nm , 10-15 mW, TO-3, flat window	931,22	998,72
UVMAX320-FW-15-TEC, 330 ± 10 nm , 10-15 mW, TO-3 with TEC, flat window	1.002,97	1.075,66
UVMAX320-HL-15, 330 ± 10 nm , 10-15 mW, TO-3, hemispherical lens	1.002,97	1.075,66
UVMAX320-HL-15-TEC, 330 ± 10 nm , 10-15 mW, TO-3, hemispherical lens, TEC	1.074,71	1.152,60
UVMAX320-FW-50, 330 ± 10 nm , 30-50 mW, TO-3, flat window	4.446,31	4.768,58
UVMAX320-FW-50-TEC, 330 ± 10 nm , 30-50 mW, TO-3 with TEC, flat window	5.020,25	5.384,12
UVMAX320-HL-50, 330 ± 10 nm , 30-50 mW, TO-3, hemispherical lens	4.733,28	5.076,35
UVMAX320-HL-50-TEC, 330 ± 10 nm , 30-50 mW, TO-3, hemispherical lens, TEC	5.307,22	5.691,89
340 nm		
UVMAX335-FW-15, 340 ± 5 nm , 10-15 mW, TO-3, flat window	931,22	998,72
UVMAX335-FW-15-TEC, 340 ± 5 nm , 10-15 mW, TO-3 with TEC, flat window	1.002,97	1.075,66
UVMAX335-HL-15, 340 ± 5 nm , 10-15 mW, TO-3, hemispherical lens	1.002,97	1.075,66
UVMAX335-HL-15-TEC, 340 ± 10 nm , 10-15 mW, TO-3, hemispherical lens, TEC	1.074,71	1.152,60
UVMAX335-FW-50, 340 ± 5 nm , 30-50 mW, TO-3, flat window	4.446,31	4.768,58
UVMAX335-FW-50-TEC, 340 ± 5 nm , 30-50 mW, TO-3 with TEC, flat window	5.020,25	5.384,12
UVMAX335-HL-50, 340 ± 5 nm , 30-50 mW, TO-3, hemispherical lens	4.733,28	5.076,35
UVMAX335-HL-50-TEC, 340 ± 5 nm , 30-50 mW, TO-3, hemispherical lens, TEC	5.307,22	5.691,89
UV-Tester for DEEP-UV LEDS	EUR	USD
 <p>DC power supply for DEEP-UV LEDs 2...50mA (depending on wavelenght)</p>	1-5 pcs.	1-5 pcs.

UVTOP Tester-cal, 1...20 mA, calibrated, 80x60x22 mm ³ , 100 g, 9V battery included	245,00	262,76
UVDRIVE precision driver for DEEP UV LEDs	EUR	USD
 <p>AC/DC precision current driver digital monitoring display current continuously adjust. up to 180mA LED fixture and cable included 110-240VAC power supply included</p>	1-5 pcs.	1-5 pcs.
UVDRIVE-50, up to 50 mA, current display, 145x83x65 mm ³ , 280 g, 110-240 VAC	n.a	n.a
UVDRIVE-80, up to 80 mA, current display, 145x83x65 mm ³ , 280 g, 110-240 VAC	n.a	n.a
UVDRIVE-180, up to 180 mA, current display, 145x83x65 mm ³ , 280 g, 110-240 VAC	n.a	n.a
LEDS - UV		
UV-LEDs 340 nm - 395 nm	EUR	USD
 <p>UV-LEDs different packages: 3mm and 5 mm clear epoxy, TO packages and SMD packages</p>	1-49 pcs.	1-49 pcs.
XSL-355-3E, 355 nm , 0.8-1.2 mW at 20 mA, 30°, 3 mm clear UV-resistant epoxy	11,24	12,05
XSL-355-5E, 355 nm , 0.8-1.2 mW at 20 mA, 15°, 5 mm clear UV-resistant epoxy	11,24	12,05
XSL-360-3E, 360 nm , 1.2-1.8 mW at 20 mA, 30°, 3 mm clear UV-resistant epoxy	9,20	9,87
XSL-360-5E, 360 nm , 1.2-1.8 mW at 20 mA, 15°, 5 mm clear UV-resistant epoxy	9,20	9,87
RLT360-1.5-30-3CC, 361 nm , 1.5 mW at 3x20 mA, 3 chips ~30°, 5 mm clear epoxy	14,40	15,44
RLT360-BL-TO18, 361 nm , 400-700 uW at 20 mA, 10°, TO18 with glass ball lens	8,52	9,14
XSL-365-3E, 365 nm , 2.4-6.0 mW at 20 mA, 30°, 3 mm clear UV-resistant epoxy	6,95	7,45
XSL-365-5E, 365 nm , 2.4-6.0 mW at 20 mA, 15°, 5 mm UV resistant clear epoxy (silicone)	6,13	6,57
XSL-365-TB, 365 nm , 0.6-0.8 mW at 20 mA, 10°, TO-46 with glass ball lens	6,13	6,57
XSL-365-TF, 365 nm , 0.6-0.8 mW at 20 mA, 100°, TO-46 with flat glass window	6,13	6,57
UVLED365-10E, 365 nm , 2.0 mW at 20 mA, 10°, TO-46 with glass ball lens	5,78	6,20
UVLED365-110E, 365 nm , 2.0 mW at 20 mA, 100°, TO-46 with flat glass window	4,94	5,30
RLT365-10, 365 nm , 1.2 mW at 20 mA, 10°, aluminium housing with UV cut-off filter	48,20	51,69
RLT365-10E, 365 nm , 1.7 mW at 20 mA, 10°, aluminium housing with UV cut-off filter	50,20	53,84
RLT365-110E, 365 nm , 1.7 mW at 20 mA, 100°, aluminium housing with UV cut-off filter	50,20	53,84
LED365-06Z, 365 nm , 5.5 mW at 20 mA, 4°, 5 mm clear UV-resistant epoxy	7,59	8,14
XSL-370-3E, 370 nm , 4.0-6.0 mW at 20 mA, 30°, 3 mm clear UV-resistant epoxy	5,32	5,71
XSL-370-5E, 370 nm , 4.0-6.0 mW at 20 mA, 15°, 5 mm clear UV-resistant epoxy	4,50	4,83
VL370-5-15, 370 nm , 2.0-4.0 mW at 20 mA, 15°, 5 mm clear epoxy	3,14	3,37
VL370-TH-45, 370 nm , 1.4-2.0 mW at 20 mA, 45°, 5 mm clear epoxy	3,14	3,37
RLT370-TO-18, 370 nm , 400 uW at 20 mA, 15°, TO18 with glass ball lens	6,06	6,50
RLS-UV370, 370 nm , 500 uW at 20 mA, 15°, TO18 with cap lens	4,75	5,09
RLS-UV370E, 370 nm , 1 mW at 20 mA, 30°, 5 mm clear epoxy	5,75	6,17
XSL-370-TB-4, 370 nm , 0.8-1.2 mW at 20 mA, 10°, TO-46 with glass ball lens	4,50	4,83
XSL-370-TB-5, 370 nm , 1.2-1.8 mW at 20 mA, 10°, TO-46 with glass ball lens	4,50	4,83
XSL-370-TF-5, 370 nm , 1.2-1.8 mW at 20 mA, 100°, TO-46 with flat glass window	5,52	5,92
RLT370-10E, 370 nm , 4.7 mW at 20 mA, 10°, aluminium housing with UV cut off-filter	50,20	53,84
RLT370-110, 370 nm , 2.0 mW at 20 mA, 110° aluminium housing with UV cut off-filter	45,45	48,74
UVLED370-10E, 370 nm , 4.7 mW at 20 mA, 10°, TO-46 with glass ball lens	3,85	4,13
UVLED370-110E, 370 nm , 5.5 mW at 20 mA, 110°, TO-46 with flat glass window	4,94	5,30
XRL-375-5E, 375 nm , 19.0-26.0 mW at 20 mA, 40°, 5 mm clear UV-resistant epoxy	16,36	17,55
XSL-375-TB-4, 375 nm , 0.8-1.2 mW at 20 mA, 10°, TO-46 with glass ball lens	4,91	5,27
XSL-375-TB-5, 375 nm , 1.2-1.8 mW at 20 mA, 10°, TO-46 with glass ball lens	4,91	5,27
XSL-375-TB-6, 375 nm , 1.8-2.4 mW at 20 mA, 10°, TO-46 with glass ball lens	4,91	5,27
XSL-375-TF-R2, 375 nm , 4-6 mW at 20 mA, 100°, TO-46 with flat window	4,91	5,27
LED375-04, 375 nm , 2.5 mW at 20 mA, +/-20°, 5 mm clear UV-resistant epoxy	9,72	10,42
LED375-06, 375 nm , 2.5 mW at 20 mA, +/-4°, 5 mm clear UV-resistant epoxy	9,72	10,42
LED375-33, 375 nm , 2.5 mW at 20 mA, +/-13°, 3 mm clear UV-resistant epoxy	9,72	10,42
XSL-375-3E, 375 nm , 11-17 mW at 20 mA, 30°, 3 mm clear UV-resistant epoxy	4,91	5,27

B5M-447-375S, 375nm , 4 mW at 20 mA, 15°, 5 mm clear UV-resistant epoxy	2,60	2,79
XSL-375-5E, 375 nm , 6 mW at 20 mA, 15°, 5 mm clear UV-resistant mold	2,52	2,70
XSL-375-5E-R4, 375 nm , 8.4-14.0 mW at 20 mA, 15°, 5 mm clear UV-resistant mold	4,09	4,39
UVLED375-10-30, 375 nm , 15 mW at 15 mA, +/-20°, 5 mm clear UV-resistant mold	2,90	3,11
B5M-447-380S, 380nm , 5 mW at 20 mA, 15°, 5 mm clear UV-resistant epoxy	1,18	1,27
VL380-5-15, 380 nm , 4.0-7.0 mW at 20 mA, 15°, 5 mm clear epoxy	1,96	2,10
RLS-UV380, 380 nm , 9.0-15.0 mW at 20 mA, 30°, 5 mm clear epoxy	1,40	1,50
RLS-UV385, 385 nm , 2 mW at 20 mA, 30°, 5 mm clear epoxy	0,97	1,04
LED385-04, 385 nm , 11 mW at 20 mA, +/-20°, 5 mm clear UV-resistant epoxy	7,24	7,76
LED385-33, 385 nm , 11 mW at 20 mA, +/-13°, 3 mm clear UV-resistant epoxy	7,24	7,76
385D30, 385 nm , FWHM = 15 nm, 30°, 3-5 mW, 5 mm clear epoxy	5,05	5,42
E1L5M-4POA2-01, 385 nm , TO-46 ball lens, 16°, 1.5-2.3 mW at 20 mA	7,78	8,34
VL390-5-15, 390 nm , 8.1-11.5 mW at 20 mA, 15°, 5 mm clear epoxy	1,33	1,43
HUUV-5102L, 393 nm , FWHM=13 nm, 20°, 2 mW, 5 mm clear epoxy	5,05	5,42
RLU395-8-30, 395 nm , 8 mW at 20 mA, 30°, 5 mm clear epoxy	2,20	2,36
RLS-UV395, 395 nm , 7 mW at 20 mA, 30°, 5 mm clear epoxy,	0,68	0,73
B3B-447-CVD, 395 nm , 15 mcd at 20 mA, 30°, 3 mm clear epoxy	1,95	2,09
LED395-33V, 395 nm , 11 mW at 20 mA, +/-13°, 3 mm clear UV-resistant epoxy	7,24	7,76
LED395-01V, 395 nm , 11 mW at 20 mA, +/-8°, 5 mm clear UV-resistant epoxy	7,24	7,76
LED395-02V, 395 nm , 11 mW at 20 mA, +/-5°, 5 mm clear UV-resistant epoxy	7,42	7,96
LED395-03V, 395 nm , 11 mW at 20 mA, +/-10°, 5 mm clear UV-resistant epoxy	7,24	7,76

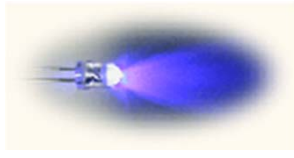
LEDS - WHITE

WHITE LEDs based on GaN	EUR	USD
 <p>white LEDs, diverse packages Technology: blue GaN LED with YAG conversion 5mm and 3mm clear epoxy package</p>	1-49 pcs.	1-49 pcs.
M5DLS1C1A, warm white 3000K, 1.3 cd at 20 mA, SMD 3.2 x 2.8 mm ² , 120°	1,20	1,29
W5DLS1C1A, white, 3.0 cd at 20 mA, SMD 3.2 x 2.8 mm ² , 120°	1,20	1,29
B3B-440-JB, white, 3.5 cd at 20 mA, 20°, 3 mm clear epoxy	0,90	0,97
B5-430-JD, white, 3.5 cd at 20 mA, 30°, 5 mm clear epoxy	1,10	1,18
HUWH-5101L, white, 3.7 cd at 20 mA, 5 mm clear epoxy	1,60	1,72
HUWH-3101L, white, 3.7 cd at 20 mA, 3 mm clear epoxy	1,60	1,72
5W4HCA-P, white, 4.0-4.5 cd at 20 mA, 20°, 5 mm clear epoxy	1,10	1,18
B5-43SUN-JD, warm white , (sunbeam) 4.5 cd at 20 mA, 30°, 5 mm clear epoxy	1,10	1,18
B5-43SUN-JB, warm white , (sunbeam) 6.0 cd at 20 mA, 20°, 5 mm clear epoxy	1,10	1,18
B5B-430-JB, white, 6.5 cd at 20 mA, 8°, 5 mm clear epoxy	1,10	1,18
5W4HCA-H, white, 7.0-8.0 cd at 20 mA, 20°, 5 mm clear epoxy	1,62	1,74
5W4HCA-U, white, 13.0-15.0 cd at 20 mA, 20°, 5 mm clear epoxy	1,92	2,06
RLS-5W-180-S, white, 18.0 cd at 20 mA, 15°, 5 mm clear epoxy	2,04	2,19
5W4HCA-H20-16, white, 18-26 cd at 20 mA, 15 mil chip, 20°, 5 mm clear epoxy	2,34	2,51
5W4HCA-H30-16, white, 12-17 cd at 20 mA, 15 mil chip, 30°, 5 mm clear epoxy	2,34	2,51
RLS-5W-200-S, white, 20.0 cd at 20 mA, 15°, 5 mm clear epoxy	2,34	2,51
5W4HCA-H20, white, 20-25 cd at 20 mA, 15 mil chip, 20°, 5 mm clear epoxy	2,44	2,62
5W4HCA-H20-ULTRA, white, 27-33 cd at 30 mA, 15 mil chip, 20°, 5 mm clear epoxy	3,60	3,86
PW5111A-Z3, white, 30-36 cd at 20 mA, 15°, x/y = 0.31/0.30, 5 mm clear epoxy	3,70	3,97
W57L5111P, white, 45-60 cd at 50 mA, 15°, 5mm clear epoxy	3,80	4,08
W54L5111P, white, 75 cd at 50 mA, 15°, 5mm clear epoxy	3,80	4,08
M57L5111P, warm white, 30-35 cd at 50 mA, 15°, 5mm clear epoxy	3,80	4,08
WHITE LEDs based on ZnSe	EUR	USD
 <p>white LEDs, diverse packages Technology: ZnSe LED emits with light with two peaks: 484 nm and 605 nm, blue + yellow = white SMD package</p>	1-49 pcs.	1-49 pcs.

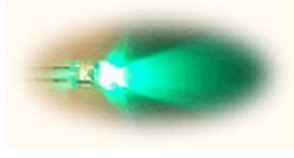
RLZS-2012, white , 200-300mcd at 20mA, Uf=2.65V, 150°, 2012 SMD	1,49	1,60
RGB LEDs	EUR	USD
B5-4RGB-CBA, RGB , 625/525/470nm, 20°, comm. +, 5 mm clear epoxy	1,86	1,99
LEDS - SPECIAL COLOR		
400 nm - 435 nm	EUR	USD
 <p>5mm clear epoxy type LEDs based on blue LED with phosphor coating</p>	1-49 pcs.	1-49 pcs.
K64L5111A, orchid , 8.4 cd at 20 mA, 15°, 5mm clear epoxy	2,98	3,20
K7DL5111A, purple , 8.4 cd at 20 mA, 15°, 5mm clear epoxy	2,98	3,20
B64L5111A, ice blue , 20 cd at 20 mA, 15°, 5mm clear epoxy	2,98	3,20
C24L5111A, sky blue , 4.5 lm at 20 mA, 15°, 5mm clear epoxy	2,98	3,20
C34L5111A, cyan , 6.7 lm at 20 mA, 15°, 5mm clear epoxy	2,98	3,20
CM4L5111A, yolk , 8.2 lm at 20 mA, 15°, 5mm clear epoxy	2,98	3,20
CG4L5111A, orange peach , 4.4 lm at 20 mA, 15°, 5mm clear epoxy	2,98	3,20
CA4L5111A, magenta , 3.8 lm at 20 mA, 15°, 5mm clear epoxy	2,98	3,20
LEDS - VIOLET		
400 nm - 435 nm	EUR	USD
 <p>blue violet LEDs packages: 3mm and 5 mm clear epoxy, TO packages</p>	1-49 pcs.	1-49 pcs.
RLS-UV400, 400 nm , 7.0-9.0 mW at 20 mA, 30°, 5 mm clear epoxy	0,30	0,32
LLS-UV400, 400 nm , 19-23 mW at 20 mA, 30°, 5 mm clear epoxy	2,45	2,63
VL400-5-15, 400 nm , 8.1-11.5 mW at 20 mA, 15°, 5 mm clear epoxy	1,33	1,43
XRL-400-5O, 400 nm , 21-29 mW at 25 mA, 15°, 5 mm clear epoxy	8,18	8,77
XRL-400-5E, 400 nm , 21-29 mW at 25 mA, 40°, 5 mm clear epoxy	8,18	8,77
5P4FCA, 405 nm , 3-4 mW at 20 mA, 20°, 5 mm clear epoxy	1,62	1,74
LED405-02V, 405 nm , 15 mW at 20 mA, +/-5°, 5 mm clear UV-resistant epoxy	7,24	7,76
LED405-03V, 405 nm , 15 mW at 20 mA, +/-10°, 5 mm clear UV-resistant epoxy	7,24	7,76
LED405-05V, 405 nm , 15 mW at 20 mA, +/-50°, 5 mm clear UV-resistant epoxy	7,24	7,76
LED405-06V, 405 nm , 15 mW / 140 mcd at 20 mA, +/-4°, 5 mm clear UV-resistant epoxy	7,24	7,76
LED405-33V, 405 nm , 20 mW at 20 mA, +/-13°, 3 mm clear UV-resistant epoxy	7,24	7,76
LED405-30M32, 405 nm , 3 mW at 20 mA, +/-15°, TO-18 lenscap	8,90	9,55
B5B-437-CV, 405 nm , FWHM=10 nm, +/-8°, 5-7 mW, 5 mm clear epoxy	2,55	2,73
B5-437-CVD, 405 nm , FWHM=10 nm, +/-30°, 5-7 mW, 5 mm clear epoxy	2,55	2,73
LC503MUV1-30Q, 405 nm , FWHM=12 nm, 5-6 mW, 30°, 5 mm clear epoxy	5,05	5,42
VL410-5-15, 410 nm , 10.0-16.0 mW at 20 mA, 15°, 5 mm clear epoxy	1,89	2,03
ELD-410-533, 410 nm , 4-8 mW at 20 mA, 25°, 5 mm clear epoxy	3,30	3,54
RLS-410-3-25, 410 nm , 3 mW at 20 mA, 25°, 5 mm clear epoxy	2,30	2,47
B5M-447-415S, 415nm 9 mW at 20 mA, 15°, 5 mm clear UV-resistant epoxy	1,62	1,74
VL415-5-15, 415 nm , 10-16 mW at 20 mA, 15°, 5 mm clear epoxy	1,89	2,03
VL415-3-20, 415 nm , 10-16 mW at 20 mA, 20°, 3 mm clear epoxy	1,99	2,13
VL420-5-15, 420 nm , 10-16 mW at 20 mA, 15°, 5 mm clear epoxy	1,99	2,13
LED420-01, 420 nm , 60 mW/sr, 15 mW at 20 mA, +/-8°, 5 mm clear UV-resistant epoxy	6,18	6,63
LED420-33, 420 nm , 18 mW/sr, 15 mW at 20 mA, +/-13°, 3 mm clear UV-resistant epoxy	6,18	6,63
LED425-6-30, 425 nm , 6-8 mW at 20 mA, +/-15°, 5 mm epoxy	3,23	3,46
VL425-5-15, 425 nm , 10-16 mW at 20 mA, 15°, 5 mm clear epoxy	2,78	2,98
VL425-3-20, 425 nm , 10-16 mW at 20 mA, 20°, 3 mm clear epoxy	2,88	3,09
VL430-5-15, 430 nm , 10-16 mW at 20 mA, 15°, 5 mm clear epoxy	1,99	2,13
LED430-02, 430 nm , 2 cd, 22 mW at 20 mA, +/-11°, 5 mm clear UV-resistant epoxy	5,80	6,22
LED430-06, 430 nm , 2 cd, 22 mW at 20 mA, +/-5°, 5 mm clear UV-resistant epoxy	6,45	6,92
LED430-05U, 430 nm , 10 mcd, 0.3 mW at 20 mA, +/-40°, 5 mm epoxy ► PHASE OUT	1,20	1,29

LED430-33, 430 nm , 0.3 cd, 4.5 mW at 20 mA, +/-15°, 3 mm epoxy	6,18	6,63
LED435-6-30, 435 nm , 5-7 mW at 20 mA, +/-15°, 5mm epoxy	2,33	2,50
LED435-12-30, 435 nm , 10-14 mW at 20 mA, +/-15°, 5mm epoxy	3,23	3,46
LED435-03, 435 nm , 20 mW at 20 mA, +/-12°, 5 mm epoxy	3,60	3,86
LED435-30M32, 435 nm , 2.2 mW at 20 mA, +/-10°, TO-18 lenscap	10,78	11,56
LED440-6-30, 440 nm , 6 mW at 20 mA, +/-15°, 5mm epoxy	3,23	3,46

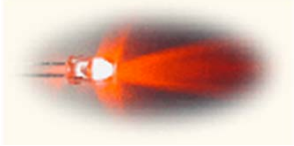
LEDS - BLUE

450 nm - 477 nm	EUR	USD
 <p>blue LEDs packages: 3mm and 5 mm clear epoxy</p>	1-49 pcs.	1-49 pcs.
ELD-450-525, 450 nm , 5.2 cd at 20 mA, 20°, 5 mm clear epoxy	1,89	2,03
LED450-01, 450 nm , 20 mW 3.5 cd at 20 mA, +/-8°, 5 mm clear epoxy	3,36	3,60
LED450-03, 450 nm , 20 mW 3.5 cd at 20 mA, +/-10°, 5 mm clear epoxy	3,36	3,60
LED450-04, 450 nm , 20 mW 1.0 cd at 20 mA, +/-20°, 5 mm clear epoxy	3,36	3,60
LED450-06, 450 nm , 20 mW 4.5 cd at 20 mA, +/-4°, 5 mm clear epoxy	3,53	3,79
LED450-33, 450 nm , 20 mW 1.2 cd at 20 mA, +/-13°, 3 mm clear epoxy	3,36	3,60
RLS-B465, 465 nm , 9cd at 20mA +/-15° 5mm clear epoxy	1,20	1,29
B5B-437-IX, 470 nm , 3.8 cd at 20 mA, 8°, 5 mm clear epoxy	1,20	1,29
B3B-447-IX, 470 nm , 2 cd at 20 mA, 15°, 3 mm clear epoxy	1,20	1,29
B56L5111P, 475 nm , 20-30 cd at 50 mA, 15°, 5mm clear epoxy	1,33	1,43
RLS-5B475-S, 477 nm , 3.0-4.0 cd at 20 mA, 15°, 5 mm clear epoxy	1,25	1,34

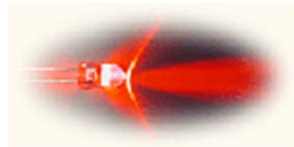
LEDS - GREEN

490 nm - 545 nm	EUR	USD
 <p>blue-green LEDs packages: 3mm and 5 mm clear epoxy</p>	1-49 pcs.	1-49 pcs.
LED490-02, 490 nm , 18 cd, 12 mW at 20 mA, 10°, 5 mm epoxy	4,15	4,45
LED490-03, 490 nm , 15 cd, 12 mW at 20 mA, 24°, 5 mm clear epoxy	4,15	4,45
LED490-06, 490 nm , 24 cd, 12 mW at 20 mA, 14°, 5 mm epoxy	4,33	4,64
LED490-33, 490 nm , 8 cd, 12 mW at 20 mA, 28°, 3 mm epoxy	4,15	4,45
LED500-10-30, 500 nm , 10 mW at 20 mA, +/-15°, 5 mm clear epoxy	4,62	4,95
B3B-443-B505, 505 nm , 4 cd at 20 mA, 15°, 3 mm clear epoxy	1,05	1,13
B5-433-B505, 505 nm , 7.0 cd at 20 mA, 5 mm, 15°, clear epoxy	1,05	1,13
B5B-433-B505, 505 nm , 8.0 cd at 20 mA, 5 mm, 8°, clear epoxy	1,05	1,13
LED515-10-30, 515 nm , 10 mW at 20 mA, +/-15°, 5 mm clear epoxy	4,62	4,95
G48A5111P, 515 nm , 100 cd at 50 mA, 15°, 5mm clear epoxy	3,98	4,27
B3B-443-B525, 525 nm , 5.5 cd at 20 mA, 15°, 3 mm clear epoxy	1,05	1,13
B5-433-B525, 525 nm , 7.0 - 10.0 cd at 20 mA, 5 mm, 15°, clear epoxy	1,15	1,23
B5B-433-B525, 525 nm , 11.0 cd at 20 mA, 5 mm, 8°, clear epoxy	1,05	1,13
LED525-01, 525 nm , 20 cd , 7 mW at 20 mA, +/-9°, 5 mm clear epoxy	4,15	4,45
G58A5111P, 525 nm , 80-100 cd at 50 mA, 15°, 5 mm clear epoxy	2,25	2,41
LED535-01, 535 nm , 9.5 cd, 4 mW at 20 mA, +/-8°, 5 mm clear epoxy	4,15	4,45
LED535-33, 535 nm , 4.8 cd, 4 mW at 20 mA, +/-13°, 3 mm clear epoxy	4,15	4,45
LED545-01, 545 nm , 7 cd, 2 mW at 20 mA, +/-8°, 5 mm clear epoxy	8,48	9,09
LED545-03, 545 nm , 7 cd, 2 mW at 20 mA, +/-9°, 5 mm clear epoxy	8,48	9,09
LED545-04, 545 nm , 2.2 cd, 2 mW at 20 mA, +/-15.5°, 5 mm clear epoxy	8,48	9,09
LED545-06, 545 nm , 2 mW at 20 mA, +/-3°, 5 mm clear epoxy	8,48	9,09
LED545-33, 545 nm , 10 cd, 2 mW at 20 mA, +/-13°, 3 mm clear epoxy	8,48	9,09

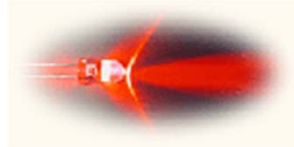
LEDS - YELLOW

565 nm - 590 nm	EUR	USD
 <p>yellow-orange LEDs packages: 3mm and 5 mm clear epoxy</p>	1-49 pcs.	1-49 pcs.
B5B-433-014, 565 nm , 0.8 cd at 20 mA, 8°, 5 mm clear epoxy	1,06	1,14
LED565-33U, 565 nm , 0.2 cd at 20 mA, +/-15°, 3 mm clear epoxy	0,71	0,76
LED565-03U, 565 nm , 0.4 cd at 20 mA, +/-15°, 5 mm clear epoxy	0,71	0,76
G7NU5111A, 566 nm , 1.1 cd at 20 mA, 15°, 5mm clear epoxy	1,49	1,60
LED570-33V, 570 nm , 0.6 cd at 20 mA, 30°, 3 mm clear epoxy	0,62	0,66
LED570-03, 570 nm , 1.3 cd, 0.6 mW at 20 mA, 24°, 5 mm clear epoxy	0,62	0,66
LED570-06, 570 nm , 7.8 cd, 0.6 mW at 20 mA, 6°, 5 mm clear epoxy	0,62	0,66
G8HD3131E, 570 nm , 2.18 cd at 40 mA, 2 chips , 30°, 3 mm clear epoxy	1,06	1,14
B5B-433-20, 572 nm , 3.0 cd at 20 mA, 8°, 5 mm clear epoxy	1,06	1,14
B5-433-20, 572 nm , 2.5 cd at 20 mA, 15°, 5 mm clear epoxy	1,06	1,14
B5-433-20D, 572 nm , 1.7 cd at 20 mA, 30°, 5 mm clear epoxy	1,06	1,14
B5B-434-TY, 588 nm , 10.0 cd at 20 mA, 8°, 5 mm clear epoxy	1,06	1,14
CY5111A-WY, 590 nm , 22 cd (max 25 cd) at 20 mA, 15°, 5 mm clear epoxy	1,24	1,33
Y5CA5111P, 590 nm , 40-55 cd at 70 mA, 15°, 5mm clear epoxy	1,57	1,68
5Y3BCA-H, 590 nm , 4.0-4.5 cd at 20 mA, 20°, 5 mm clear epoxy	1,06	1,14
LED590-33W, 590 nm , 2.0 cd, 2.0 mW at 20 mA, +/-18°, 3 mm epoxy	1,17	1,25
LED590-03, 590 nm , 8 cd, 4 mW at 20 mA, +/-12°, 5 mm clear epoxy	1,17	1,25

LEDS - ORANGE


600 nm - 625 nm	EUR	USD
 <p>yellow-orange LEDs packages: 3mm and 5 mm clear epoxy</p>	1-49 pcs.	1-49 pcs.
LED600-03, 600 nm , 6.5 cd, 5 mW at 20mA, 26°, 5 mm clear epoxy	1,17	1,25
B3B-445-30S, 605 nm , 2.0 cd at 20 mA, 20°, 3 mm clear epoxy	1,06	1,14
B5-435-30S, 605 nm , 4.0 cd at 20 mA, 15°, 5 mm clear epoxy	1,06	1,14
B5B-435-30S, 605 nm , 5.0 cd at 20 mA, 8°, 5 mm clear epoxy	1,06	1,14
O5CA5111P, 605 nm , 40-55 cd at 70 mA, 15°, 5mm clear epoxy	1,82	1,95
LED610-03, 610 nm , 7.5 cd, 8 mW at 20mA, 26°, 5 mm clear epoxy	1,17	1,25
B3B-445-30, 615 nm , 2.0 cd at 20 mA, 20°, 3 mm clear epoxy	1,06	1,14
B5-435-30, 615 nm , 4.0 cd at 20 mA, 15°, 5 mm clear epoxy	1,06	1,14
B5B-435-30, 615 nm , 5.0 cd at 20 mA, 8°, 5 mm clear epoxy	1,06	1,14
B3B-445-TL, 625 nm , 7 cd at 20 mA, 15°, 3 mm clear epoxy	1,06	1,14
B5-435-TL, 625 nm , 10 cd at 20 mA, 15°, 5 mm clear epoxy	1,06	1,14
B5B-435-TL, 625 nm , 12 cd at 20 mA, 8°, 5 mm clear epoxy	1,06	1,14
LED625-03, 625 nm , 14.1 cd, 22 mW at 50 mA, +/-13°, 5 mm clear epoxy	1,17	1,25
CR5111A-WY, 625 nm , 22 cd (max 25 cd) at 20 mA, 15°, 5 mm clear epoxy	1,24	1,33
R5CA5111P, 625 nm , 40-55 cd at 70 mA, 15°, 5mm clear epoxy	1,57	1,68
5RAA5111P, 625 nm , 60-75 cd at 60 mA, 15°, 5mm clear epoxy	1,68	1,80

LEDS - RED

650 nm - 710 nm	EUR	USD
 <p>yellow-orange LEDs packages: 3mm and 5 mm clear epoxy</p>	1-49 pcs.	1-49 pcs.
ELD-650-523, 650 nm , 1 cd at 20 mA, 20°, 5 mm clear epoxy	3,30	3,54

RLS-655-3-25, 655 nm , 3 mW at 20 mA, 25°, 5 mm clear epoxy	2,30	2,47
B3B-446-30, 660 nm , 1.3 cd at 20 mA, 20°, 3 mm clear epoxy	1,06	1,14
B5B-436-30, 660 nm , 3.5 cd at 20 mA, 8°, 5 mm clear epoxy	1,06	1,14
B5-436-30D, 660 nm , 1.3 cd at 20 mA, 30°, 5 mm clear epoxy	1,06	1,14
LED660N-03, 660 nm , 2.4 cd, 15 mW at 20 mA, +/-12°, 5 mm clear epoxy	0,88	0,94
ELD-670-524, 670 nm , 3.5 mW at 20 mA, 20°, 5 mm clear epoxy	3,60	3,87
LED680-4-30, 680 nm , 4-5 mW at 20 mA, +/-15°, 5 mm clear epoxy	3,40	3,65
LED680-01AU, 680 nm , 25 mW/sr, 4 mW at 20 mA, +/- 10°, 5 mm clear epoxy	3,98	4,27
LED680-02AU, 680 nm , 25 mW/sr, 4 mW at 20 mA, +/- 7°, 5 mm clear epoxy	3,98	4,27
LED680-33AU, 680 nm , 10 mW/sr, 4 mW at 20 mA, +/-18°, 3 mm clear epoxy	3,80	4,08
ELD-680-524, 680 nm , 3.5 mW at 20 mA, 20°, 5 mm clear epoxy	4,75	5,09
LED690-01AU, 690 nm , 25 mW/sr, 4 mW at 20 mA, +/-10°, 5 mm clear epoxy	3,80	4,08
LED690-03AU, 690 nm , 25 mW/sr, 4 mW at 20 mA, +/-10°, 5 mm clear epoxy	3,80	4,08
LED690-04AU, 690 nm , 10 mW/sr, 4 mW at 20 mA, +/-20°, 5 mm clear epoxy	3,80	4,08
LED690-33AU, 690 nm , 10 mW/sr, 4 mW at 20 mA, +/-18°, 3 mm clear epoxy	3,80	4,08
ELD-700-524, 700 nm , 10 mW at 50 mA, 20°, 5 mm clear epoxy	3,60	3,87
IB5-43B8-700, 700nm 14 mW at 50 mA, 15°, 5 mm clear epoxy	3,70	3,97
LED700-02AU, 700 nm , 90 mW/sr, 13 mW at 50 mA, +/- 7°, 5 mm clear epoxy	3,98	4,27
LED700-04AU, 700 nm , 30 mW/sr, 13 mW at 50 mA, +/- 20°, 5 mm clear epoxy	3,98	4,27
LED700-33AU, 700 nm , 30 mW/sr, 13 mW at 50 mA, +/-18°, 3 mm clear epoxy	3,80	4,08
LED710-01AU, 710 nm , 60 mW/sr, 13 mW at 50 mA, +/-10°, 5 mm clear epoxy	3,80	4,08
LED710-04AU, 710 nm , 30 mW/sr, 13 mW at 50 mA, +/-20°, 5 mm clear epoxy	3,80	4,08
LED710-33AU, 710 nm , 30 mW/sr, 13 mW at 50 mA, +/-18°, 3 mm clear epoxy	3,80	4,08

LEDS - IR 720 - 1720 nm



720 nm - 780 nm	EUR	USD
 <p>IR-LEDs diverse packages 720 nm up to 4600 nm</p>	1-49 pcs.	1-49 pcs.
ELD-720-524, 720 nm , 7 mW at 20 mA, 20°, 5 mm clear epoxy	3,43	3,68
IB5-43B8-730, 730nm 20 mW at 50 mA, 15°, 5 mm clear epoxy	3,10	3,32
LED735-01AU, 735 nm , 18 mW at 50 mA, +/- 10°, 5 mm clear epoxy	3,18	3,41
ELD-740-354, 740 nm , 19 mW at 50 mA, 50°, 3 mm clear epoxy	3,43	3,68
ELD-740-524, 740 nm , 14 mW at 50 mA, 20°, 5 mm clear epoxy	3,43	3,68
LED740-01AU, 740 nm , 18 mW at 50 mA, 20°, 5 mm clear epoxy	3,18	3,41
LED740-03AU, 740 nm , 18 mW at 50 mA, 30°, 5 mm clear epoxy	3,18	3,41
LED750-33AU, 750 nm , 23 mW at 50 mA, 34°, 3 mm clear epoxy	3,18	3,41
LED750-03AU, 750 nm , 19 mW at 50 mA, 30°, 5 mm clear epoxy	3,18	3,41
LED760-6-30, 760 nm , 6-7 mW at 20 mA, +/- 15°, 5 mm clear epoxy	3,30	3,54
LED760-03AU, 760 nm , 19 mW at 50 mA, +/-10°, 5 mm clear epoxy	3,18	3,41
LED760-05AU, 760 nm , 19 mW at 50 mA, +/- 55°, 5 mm clear epoxy	3,36	3,60
LED760-06AU, 760 nm , 19 mW at 50 mA, +/- 7°, 5 mm clear epoxy	3,36	3,60
LED760-40K42, 760 nm , 10 mW at 50 mA, 12°, TO-18, ball lens	11,45	12,28
LED760-40M32, 760 nm , 10 mW at 50 mA, 20°, TO-18, ball lens	9,12	9,78
IB5-43B8-765, 765nm 18 mW at 50 mA, 15°, 5 mm clear epoxy	3,10	3,32
LED770-6-30, 770 nm , 6-7 mW at 20 mA, +/- 15°, 5 mm clear epoxy	3,30	3,54
LED770-03AU, 770 nm , 18 mW at 50 mA, +/- 15°, 5 mm clear epoxy	3,18	3,41
ELD-770-324, 770 nm , 15 mW at 50 mA, 20°, 3 mm clear epoxy	3,43	3,68
ELD-770-524, 770 nm , 20 mW at 50 mA, 20°, 5 mm clear epoxy	3,43	3,68
LED780-01AU, 780 nm , 18 mW at 50 mA, 20°, 5 mm clear epoxy	3,18	3,41
LED780-03AU, 780 nm , 18 mW at 50 mA, 30°, 5 mm clear epoxy	3,18	3,41
LED780-33AU, 780 nm , 18 mW at 50 mA, 30°, 3 mm clear epoxy	3,18	3,41
ELD-780-524, 780 nm , 16 mW at 50 mA, 18°, 40 ns, 5 mm clear epoxy	3,43	3,68
ELD-780-525, 780 nm , 45 mW at 100 mA, 20°, 20 ns, 5 mm clear epoxy	3,43	3,68
800 nm - 890 nm	EUR	USD
LED800-01AU, 800 nm , 22 mW at 50 mA, +/- 10°, 5 mm clear epoxy	3,00	3,22
ELD-810-525, 810 nm , 45 mW at 100 mA, 20°, 5 mm clear epoxy	3,43	3,68

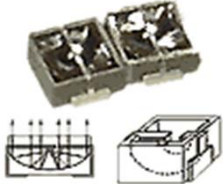
ELD-810-345, 810 nm , 18 mW at 50 mA, 30°, 3 mm clear epoxy	3,43	3,68
LED810-03AU, 810 nm , 18 mW at 50 mA, +/- 15°, 5 mm clear epoxy	3,00	3,22
LED820-01AU, 820 nm , 18 mW at 50 mA, +/- 10°, 5 mm clear epoxy	2,54	2,72
IB5-43B8-830, 830nm 22 mW at 50 mA, 15°, 5 mm clear epoxy	2,40	2,57
LED830-03AU, 830 nm , 20 mW at 50 mA, +/- 15°, 5 mm clear epoxy	2,54	2,72
LED830-06AU, 830 nm , 20 mW at 50 mA, +/- 6°, 5 mm clear epoxy	2,74	2,94
LED840-04AU, 840 nm , 20 mW at 50 mA, +/- 20°, 5 mm clear epoxy	2,54	2,72
ELD-840-515, 840 nm , 15 mW at 100 mA, 11°, 5 mm clear epoxy	3,43	3,68
B5B-850-8, 850 nm , 34 mW at 100 mA, +/- 8°, 5 mm clear epoxy	1,82	1,95
I3NA5111A, 850 nm , 60mW/sr at 100 mA, 15°, 5mm clear epoxy	1,52	1,63
ELD-850-394, 850 nm , 18 mW at 50 mA, 90°, 3 mm clear epoxy	3,60	3,86
ELD-850-525, 850 nm , 11 mW at 20 mA, 20°, 5 mm clear epoxy	3,60	3,86
LED850-02UP, 850 nm , 26 mW at 50 mA, +/- 4°, 5 mm clear epoxy	2,30	2,47
LED850-03UP, 850 nm , 26 mW at 50 mA, +/- 13°, 5 mm clear epoxy	2,12	2,27
LED850-04UP, 850 nm , 26 mW at 50 mA, +/- 18°, 5 mm clear epoxy	2,12	2,27
LED850-05UP, 850 nm , 26 mW at 50 mA, +/- 40°, 5 mm clear epoxy	2,30	2,47
LED870-01UP, 870 nm , 24 mW at 50 mA, 20°, 5 mm clear epoxy	2,12	2,27
LED870F-03U, 870 nm , 22 mW at 50 mA, 30°, 5 mm, tr/ff 15/10ns	2,54	2,72
ELD-870f-515-2, 870 nm , 16 mW at 100 mA, Tr,Tf: 5 ns, 8°, 5 mm	5,25	5,63
ELD-880-525, 880 nm , 45 mW at 100 mA, 20°, 5 mm clear epoxy	3,43	3,68
RLS-IR880, 880 nm , 10mW/sr at 20mA +/-20° 5mm clear epoxy	3,43	3,68
LED890-03AU, 890 nm , 15 mW at 50 mA, +/- 15°, tr/ff 800/400 ns, 5 mm clear epoxy	1,94	2,08
900 nm - 970 nm	EUR	USD
B5B-900-8, 900 nm , 48 mW at 50 mA, +/-8°, 5 mm clear epoxy	2,72	2,92
ELD-900-525, 900 nm , 45 mW at 100 mA, 20°, 5 mm clear epoxy	3,65	3,91
ELD-905-545, 905 nm , 38 mW at 100 mA, +/-20°, 5 mm clear epoxy	3,43	3,68
LED905-35-22, 905 nm , 35 mW at 100 mA, +/-22.5°, 5 mm clear epoxy, tr,tf=10ns	3,43	3,68
LED910-01, 910 nm , 12 mW at 50 mA, +/-10°, 5 mm clear epoxy	2,12	2,27
LED910-02, 910 nm , 12 mW at 50 mA, +/-7°, 5 mm clear epoxy	2,16	2,32
ELD-910-525, 910 nm , 28 mW at 100 mA, 20°, 5 mm clear epoxy	3,43	3,68
ELD-935-525, 935 nm , 30 mW at 100 mA, 500 ns, 20°, 5 mm clear epoxy	3,63	3,89
I5LA5113A, 940 nm , 35 mW/sr at 100 mA, 15°, 5mm clear epoxy	0,89	0,95
B5B-940-8, 940 nm , 20 mW at 100 mA, +/-8°, 5 mm clear epoxy	0,99	1,06
LED940-06V, 940 nm , 18.0 mW, 150 mW/sr at 50 mA, +/-7°, 5 mm clear epoxy	1,80	1,93
LED940-40K42, 940 nm , 18.0 mW, TO-46, cap lens	4,85	5,20
OPE5594S, 940 nm , 16 mW at 100 mA, 10°, 5 mm clear epoxy	1,62	1,73
ELD-960-525, 960 nm , 20 mW at 100 mA, 20°, 5 mm clear epoxy	5,19	5,57
LED970-01, 970 nm , 25 mW/sr, 5.5 mW at 50 mA, 20°, 5 mm clear epoxy	1,94	2,08
LED970-02, 970 nm , 25 mW/sr, 5.5 mW at 50 mA, 14°, 5 mm clear epoxy	1,94	2,08
LED970-06, 970 nm , 25 mW/sr, 5.5 mW at 50 mA, 14°, 5 mm clear epoxy	1,84	1,97
LED970-33, 970 nm , 7 mW/sr, 5.5 mW at 50 mA, +/-18°, 3 mm clear epoxy	2,33	2,50
LED980-02, 985 nm , 4 mW at 50 mA, 14°, 5 mm clear epoxy	2,33	2,50
LED980-03, 985 nm , 10 mW/sr at 50 mA, 22°, 5 mm clear epoxy	2,21	2,37
1020 nm - 1720 nm	EUR	USD
ELD-1020-525, 1020 nm , 1.0 mW at 20 mA, tr=25ns, tf=40ns, 20°, 5 mm clear epoxy	8,19	8,78
LED1050-01, 1050 nm , 2 mW at 50 mA, tr,tf=10ns, 5 mm clear epoxy	12,02	12,89
LED1050-03, 1050 nm , 14 mW/sr, 2 mW at 50 mA, tr,tf=10ns, 20°, 5 mm clear epoxy	12,02	12,89
LED1050-06, 1050 nm , 30 mW/sr, 2 mW at 50 mA, tr,tf=10ns, 8°, 5 mm clear epoxy	12,02	12,89
LED1050G-33, 1050 nm , 40 mW/sr, 17 mW at 50 mA, 42°, 3 mm clear epoxy	17,59	18,86
LED1050-35K42, 1050 nm , 1.5 mW at 50 mA, tr,tf: 10 ns, +/-6°, TO-46, cap lens	16,61	17,81
LED1050-35T52, 1050 nm , 1 mW at 50 mA, tr,tf: 10 ns, +/-55°	16,61	17,81
ELD-1060-525, 1060 nm , 1.6 mW at 20 mA, tr,tf=10ns, 20°, 5 mm clear epoxy	8,19	8,78
LED1070-03, 1070 nm , 9 mW at 50 mA, 24°, 5 mm clear epoxy	12,02	12,89
LED1070-06, 1070 nm , 2.5 mW at 50 mA, 14°, 5 mm clear epoxy	12,02	12,89
LED1070-36, 1070 nm , 2.5 mW at 50 mA, 66°, 3 mm clear epoxy	12,02	12,89
ELD-1200-525, 1200 nm , 1.5 mW at 20 mA, tr=25ns, tf=40ns, 20°, 5 mm clear epoxy	11,50	12,33
LED1200-03, 1200 nm , 5 mW at 50 mA, tr,tf=10ns, 20°, 5 mm epoxy	12,02	12,89
LED1200-06, 1200 nm , 5 mW at 50 mA, tr,tf=10ns, 8°, 5 mm epoxy	12,02	12,89
LED1200-35K42, 1200 nm , 5.5 mW at 50 mA, 16°, TO-46, cap lens	16,61	17,81
LED1200-35M32, 1200 nm , 5.5 mW at 50 mA, 24°, TO-18, cap lens	15,46	16,58
ELD-1300-525, 1300 nm , 2.2 mW at 20 mA, tr,tf=10ns, 25°, 5 mm clear epoxy	8,19	8,78

LED1300-03, 1300 nm , 4.5 mW at 50 mA, tr,tf=10ns, 20°, 5 mm clear epoxy	12,02	12,89
LED1300-33, 1300 nm , 4.5 mW at 50mA, +/-18°, 3 mm clear epoxy	12,02	12,89
LED1300-35M32, 1300 nm , 3 mW at 50 mA, +/-15°, TO-46, cap lens	15,46	16,58
LED1300-35K42, 1300 nm , 2 mW at 50 mA, +/-6°, TO-46, cap lens	16,61	17,81
LED1450-03, 1450 nm , 2.5 mW at 50 mA, tr,tf=10ns, 20°, 5 mm clear epoxy	12,02	12,89
LED1450-06, 1450 nm , 2.5 mW at 50 mA, tr,tf=10ns, 8°, 5 mm clear epoxy	12,02	12,89
LED1450-35K42, 1450 nm , 2.4 mW at 50 mA, +/-6°, TO-46, cap lens	16,61	17,81
ELD-1450-525, 1450 nm , 6.5 mW 20 mA, 20°, 5 mm clear epoxy	8,19	8,78
ELD-1480-525, 1480 nm , 1.8 mW 20 mA, FWHM=150nm, tr/ff=40ns, 20°, 5 mm clear epoxy	8,19	8,78
ELD-1500-525, 1500 nm , 3.3 mW at 20 mA, 20°, 5 mm clear epoxy	8,19	8,78
ELD-1550-525, 1550 nm , 3.3 mW at 20 mA, tr,tf=10ns, 20°, 5 mm clear epoxy	8,19	8,78
LED1550-03, 1550 nm , 2.5 mW at 50 mA, tr,tf=10ns, 20°, 5 mm clear epoxy	12,02	12,89
LED1550-35M32, 1550 nm , 2.0 mW at 50 mA, +/-15°, TO-46	17,10	18,34
LED1550-35K42, 1550 nm , 2.0 mW at 50 mA, +/-6°, TO-46	16,61	17,81
ELD-1650-525, 1720 nm , 1.5 mW at 20 mA, 20°, 5 mm clear epoxy	12,50	13,41
ELD-1720-535, 1720 nm , 1.0 mW at 20 mA, tr,tf=15ns, 30°, 5 mm clear epoxy	8,19	8,78
ELD-1720-015, 1720 nm , 1.0 mW at 20 mA, tr,tf=15ns, °, TO-46 with hemisph. Lens	35,05	37,59

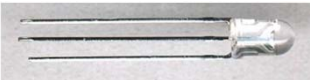
LEDS - SMD

352 nm - 1550 nm	EUR	USD
 <p>SMD LEDs wavelengths from UV to IR</p> <p>custom wavelengths and packages available on request</p>	1-49 pcs.	1-49 pcs.
RLCU-355, 353-360 nm , 0.75 mW/sr at 20 mA, 120°, ceramic SMD, 3x2x1mm	7,22	7,74
360-PLCC2-120, 360 nm , 500 uW at 20 mA, 120°, SMD PLCC, 2.70 x 3.50 x 1.90 mm	5,20	5,58
XSL-360-SD, 360 nm , 0.9 mW at 20 mA, 100°, ceramic SMD, 3.5x2.7x1.8 mm	6,80	7,29
XSL-365-SD, 365 nm , 1.2 mW at 20 mA, 100°, ceramic SMD, 3.5x2.7x1.8 mm	5,65	6,06
UVLED365-SMD, 365 nm , 3.0 mW at 20 mA, 100°, SMD 3.0x2.0x1.2 mm	2,55	2,73
UVLED365E-SMD, 365 nm , 5.0 mW at 20 mA, 100°, SMD 3.0x2.0x1.2 mm	3,39	3,64
RLCU-365, 363-370 nm , 0.78 mW/sr at 20 mA, 120°, ceramic SMD, 3x2x1mm	8,97	9,62
XSL-370-SD, 370 nm , 2.0 mW at 20 mA, 100°, ceramic SMD, 3.5x2.7x1.8 mm	4,20	4,50
VL370-3228, 370 nm , 2.0-2.5 mW at 20 mA, 120°, SMD 3.6x2.9x0.8 mm	2,60	2,79
RLS370SMD0805, 370 nm , 1 mW at 20 mA, 120°, SMD 0805	5,36	5,75
XSL-375-SD, 375 nm , 3.5 mW at 20 mA, 100°, ceramic SMD, 3.5x2.7x1.8 mm	3,23	3,46
RLCU-375, 375-380 nm , 1.5-4.0 mW at 20mA, 120°, ceramic SMD, 3x2x1mm	4,70	5,04
UVLED375-SMD, 375 nm , 5.0 mW at 20 mA, 100°, SMD 3.0x2.0x1.2 mm	1,79	1,92
UVLED375E-SMD, 375 nm , 13 mW at 20 mA, 100°, SMD 3.0x2.0x0.7 mm	3,20	3,43
VL380-3528, 380 nm , 5.0-7.0 mW at 20 mA, 120°, SMD 3.5x2.8x0.8 mm	3,10	3,32
SMC395, 395 nm , 8.0 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	3,10	3,32
M5DLS1C1A, warm white 3000K, 1.3 cd at 20 mA, SMD 3.2 x 2.8 mm ² , 120	1,20	1,29
W5DLS1C1A, white, 3.0 cd at 20 mA, SMD 3.2 x 2.8 mm ² , 120°	1,20	1,29
RLCU-400, 400-405 nm , 4.2-11 mW at 20mA, +/-60°, ceramic SMD, 3x2x1mm	3,10	3,32
VL400-3228, 400 nm , 9.0-10.0 mW at 20 mA, 120°, SMD 3.6x2.9x0.8 mm	1,31	1,40
VL405-3228, 405 nm , 8.0-10.0 mW at 20 mA, 120°, SMD 3.2x2.8x0.8 mm	1,31	1,40
SMC405, 405 nm , 4 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	3,10	3,32
SMT405R, 405 nm , 12.5 mW at 20 mA, +/-55°, SMD, 3.5x2.7x1.8 mm	4,13	4,43
RLCU-410, 410-415 nm , 4.2-11 mW at 20mA, +/-60°, ceramic SMD, 3x2x1mm	2,70	2,90
RLCU-415, 415-420 nm , 4.2-11 mW at 20mA, +/-60°, ceramic SMD, 3x2x1mm	3,20	3,43
SMC415, 415 nm , 4.0 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	3,10	3,32
SMC430, 430 nm , 10 mW at 20 mA, +/-56°, ceramic SMD, 3.0x2.0x1.1 mm	3,10	3,32
RLCU-430, 425-435 nm , 8 mW at 30mA, +/-60°, ceramic SMD, 3x2x1mm	3,10	3,32
SMC470, 470 nm , 3.5 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	2,55	2,73
SMC490, 490 nm , 6.1 mW at 20 mA, +/-64°, ceramic SMD, 3.0x2.0x1.1 mm	4,42	4,74
SMC525, 525 nm , 1.0 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	4,42	4,74
SMC565, 565 nm , 0.1 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	1,15	1,23
SMC570, 570 nm , 0.2 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	1,77	1,90
SMT570, 570 nm , 0.3 mW at 20 mA, +/-55°, SMD, 3.5x2.7x1.8 mm	1,77	1,90


SMC630, 630 nm , 0.2 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	1,77	1,90
SMC660N, 660 nm , 12 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	1,77	1,90
SMT660/910, 660/910 nm , 2.5/2.5 mW at 20 mA, +/-55°, SMD, 3.5x2.7x1.8 mm	6,36	6,82
SMC680, 680 nm , 3 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	5,30	5,68
SMC700, 700 nm , 3 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	5,30	5,68
SMT700, 700 nm , 3 mW at 20 mA, +/-55°, SMD, 3.5x2.7x1.8 mm	4,59	4,92
SMC720, 720 nm , 3 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	5,30	5,68
SMT720, 720 nm , 8 mW at 50 mA, +/-55°, SMD, 3.5x2.7x1.8 mm	4,59	4,92
SMC735, 735 nm , 10 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	4,59	4,92
SMT735, 735 nm , 10 mW at 50 mA, +/-55°, SMD, 3.5x2.7x1.8 mm	3,89	4,17
ELS-740-994, 740 nm , 6.5 mW at 50 mA, 120°, SMD PLCC 2, TOP LED, 3.5x2.8x1.9 mm	3,90	4,18
SMT750, 750 nm , 14 mW at 50 mA, +/-55°, SMD, 3.5x2.7x1.8 mm	3,89	4,17
SMT750-23, 750 nm , 20 mW at 50 mA, +/-15°, SMD, 3.5x2.7x3.5 mm	4,15	4,45
SMC750, 750 nm , 10 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	4,59	4,92
SMC770, 770 nm , 10 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	4,59	4,92
SMC780, 780 nm , 10 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	4,59	4,92
SMC810, 810 nm , 10 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	4,24	4,55
SMC830, 830 nm , 10 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	4,24	4,55
SMC850, 850 nm , 15 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	2,92	3,13
SMT850N, 850 nm , 22 mW at 50 mA, +/-62°, SMD, 3.5x2.7x1.8 mm	2,85	3,06
SMT850-23, 850 nm , 22 mW at 50 mA, +/-15°, SMD, 3.5x2.7x3.5 mm	2,92	3,13
SMC870, 870 nm , 19 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	2,92	3,13
SMT870-23, 870 nm , 22 mW at 50 mA, +/-15°, SMD, 3.5x2.7x3.5 mm	2,92	3,13
SMC890, 890 nm , 8 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	2,56	2,75
SMC910, 910 nm , 5 mW at 50 mA, +/-63°, ceramic SMD, 3.0x2.0x1.1 mm	2,92	3,13
SMC940, 940 nm , 10 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	1,70	1,82
SMT940-23, 940 nm , 16 mW at 50 mA, +/-18°, SMD, 3.5x2.7x3.5 mm	1,41	1,51
SMC970, 970 nm , 4.0 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	1,94	2,08
SMC1050, 1050 nm , 1 mW at 50 mA, +/-55°, cer. SMD, 3.0x2.0x1.1 mm	13,43	14,40
SMC1200, 1200 nm , 5 mW at 50 mA, +/-62°, ceramic SMD, 3.0x2.0x1.1 mm	13,43	14,40
SMC1300, 1300 nm , 3.5 mW at 50 mA, +/-55°, cer. SMD, 3.0x2.0x1.1 mm	13,43	14,40
SMC1450, 1450 nm , 2 mW at 50 mA, +/-66°, ceramic SMD, 3.0x2.0x1.1 mm	13,43	14,40
SMC1550, 1550 nm , 1.3 mW at 50 mA, +/-62°, ceramic SMD, 3.0x2.0x1.1 mm	13,43	14,40
SMD-LED on Si carrier 4 x 2 mm²	EUR	USD
 <p>ELS-xxx series high power LEDs on silicon carrier</p>	1-49 pcs.	1-49 pcs.
ELS-810-638, 810 nm , 1.9 x 2.0 mm ² , 17 mW, 30°, 30 ns, flip chip	7,84	8,41
SUPER FLUX LED square EPOXY	EUR	USD
 <p>high flux LED series If: 20 mA, +/-45° angle clear epoxy package base size: 7.6 x 7.6 mm²</p>	1-299 pcs.	1-299 pcs.
3W1S2HCA, white , 1.5-2.0 cd at 20 mA, Vf <3.6 V, +/-45°	0,66	0,70
3B1S2HCA, blue, 470 nm , 1.0-1.4 cd at 20 mA, Vf <3.6 V, +/-45°	0,40	0,43
3G1S2HCA, green, 522 nm , 2-3 cd at 20 mA, Vf <3.6 V, +/-45°	0,56	0,60
3Y1S2HCA, yellow, 590 nm , 0.7-0.9 cd at 20 mA, Vf <2.1 V, +/-45°	0,22	0,23
3R1S2HCA, red, 622 nm , 0.7-0.9 cd at 20 mA, Vf <2.1 V, +/-45°	0,22	0,23
3RGB13HCA, 620 / 520 / 460 nm , 2 / 3.5 / 1.25 lm, 3 x 20 mA, +/-45°	0,91	0,98
REFLECTOR LED square EPOXY	EUR	USD

	<p>surface emitting SMD LED narrow beam, ultra high brightness, high flux, integrated parabolic reflector design, small size</p> <p>base size: 6 x 6 x 3 mm³</p>	1-9 pcs.	1-9 pcs.
TOLATB004, blue, 460 nm , 27 cd at 20 mA, Vf = 3.5V, +/- 9°		5,61	6,02
TOLATG004, green, 530 nm , 27 cd at 20 mA, Vf = 3.5V, +/- 9°		5,61	6,02
TOLATR002, red, 625 nm , 15 cd at 20 mA, Vf = 2.1V, +/- 9°		5,61	6,02
TOLAIR002A, IR, 880 nm , 300 mW/sr at 100 mA, Vf = 1.4V, +/- 9°		5,61	6,02


LEDS - DUAL WAVELENGTH


	EUR	USD
	<p>series of dual wavelength LEDs 5 mm clear epoxy, contains 2 chip dies</p> <p>custom wavelengths available on request</p>	
	1-49 pcs.	1-49 pcs.
LED430/565-04A, 430/565 nm , 0.4/0.2 mW, 20 mA, +/-20°, 5 mm epoxy	6,18	6,63
LED470/660N-04A, 470/660 nm , 5.0/15.0 mW, 20 mA, +/-20°, 5 mm epoxy	6,18	6,63
LED505/630-02A, 505/630 nm , 1.3/2.5 mW, 20 mA, +/-20°, 5 mm epoxy	6,71	7,20
LED565/660-04A, 565/660 nm , 0.2/4.0 mW, 20 mA, +/-20°, 5 mm epoxy	5,65	6,06
LED635/760-04A, 635/760 nm , 1.5/4.0 mW, 20 mA, +/-20°, 5 mm epoxy	5,29	5,67
LED660N/850-04A, 660/850 nm , 15.0/7.0 mW, 20 mA, +/-20°, 5 mm epoxy	3,36	3,60
LED660/910-04A, 660/910 nm , 4.5/2.5 mW, 20 mA, +/-20°, 5 mm epoxy	3,36	3,60
LED660N/940-04A, 660/940 nm , 15.0/5.0 mW, 20 mA, +/-20°, 5 mm epoxy	4,24	4,55
LED750/850-04A, 750/850 nm , 15/18 mW, 20 mA, +/-20°, 5 mm epoxy	6,18	6,63
LED750/870-04A, 750/870 nm , 15/22 mW, 20 mA, +/-20°, 5 mm epoxy	6,18	6,63
LED760/850-04A, 760/850 nm , 15/18 mW, 20 mA, +/-20°, 5 mm epoxy	6,18	6,63
LED760/850-05A, 760/850 nm , 15/18 mW, 20 mA, +/-40°, 5 mm epoxy, flat front surface	4,24	4,55
LED760/940-04A, 760/940 nm , 15/14 mW, 20 mA, +/-20°, 5 mm epoxy	4,24	4,55
LED780/850-05A, 780/850 nm , 17/18 mW, 20 mA, +/-40°, 5 mm epoxy, flat front surface	4,24	4,55

LEDS - SELF MONITORING

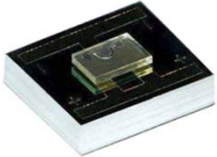
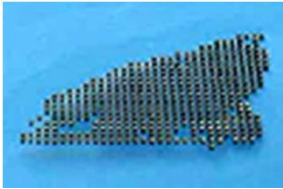
	EUR	USD
	<p>LED series in TO18 package with integrated monitoring photodiode 3 pins, sealed with flat glass window</p> <p>custom wavelengths available on request</p>	
	1-49 pcs.	1-49 pcs.
LED525-PD010-35D54, 525 nm , 2 mW, 20 mA, +/-55°, TO18 flat glass wind., monitor PD	32,80	35,18
LED610-PD010-35D54, 610 nm , 0.8 mW, 20 mA, +/-55°, TO18 flat glass wind., monitor PD	32,80	35,18
LED780-PD010-40D52, 780 nm , 12 mW, 50 mA, +/-55°, TO18 flat glass wind., monitor PD	72,60	77,86
LED810-PD010-40D52, 810 nm , 6 mW, 50 mA, +/-55°, TO18 flat glass wind., monitor PD	o.r.	o.r.
LED850N-PD010-40D52, 850 nm , 6 mW, 50 mA, +/-55°, TO18 flat glass wind., monitor PD	18,55	19,89
LED890-PD010-40D52, 890 nm , 5 mW, 50 mA, +/-40°, TO18 flat glass wind., monitor PD	18,55	19,89

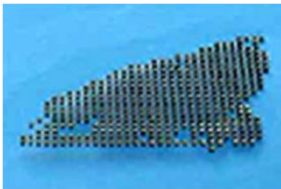
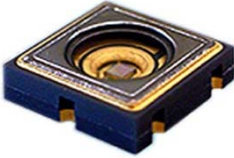
LEDS - RESONANT CAVITY



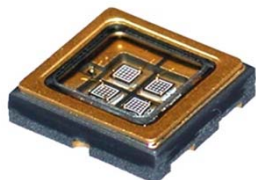


RC-LED 650 nm	EUR	USD
	<p>RC-LED (resonant cavity LED) wavelength typ. 650 nm, power 1.0 - 1.5 mW</p> <p>packages: TO-46 flat window, 5 mm clear epoxy, side looking epoxy, chip die</p>	
	1-9 pcs.	1-9 pcs.
RC650-TO46FW, 650 nm RC-LED, 1.0 mW, 20 mA, 90°, TO-46, flat window	9,90	10,62


RC-LED MODULE 650 nm	EUR	USD
 <p>visible 650 nm RC-LED in anodized aluminium header with adjustable 3-lens glass collimator</p> <p>ultra narrow beam, very fast, perfect round spot</p>		
	1-9 pcs.	1-9 pcs.
RC-LED-650-02, 650 nm RC-LED module, 0.2 mW, 5.5 mrad, tr/ff 3 ns, 10x18 mm	51,80	55,55


LEDS - BARE CHIP DIES

DEEP-UV LED CHIP DIES 250 nm - 340 nm	EUR	USD
 <p>DEEP-UV LED CHIP DIES available as bare chip die and on Si submount</p> <ul style="list-style-type: none"> - chip material: AlGaIn based - chip size: 400 x 600 µm - Si submount <p>265 nm - 340 nm</p>		
	1-10 pcs.	1-10 pcs.
DUV265-CHIP, 265 +/-5 nm, 0.9 mW at 20 mA, +/- 72°, bare chip die	185,71	199,17
DUV265-CS1, 265 +/-5 nm, 0.9 mW at 20 mA, +/- 72°, bare die on Si submount, 1.3 x 1.5 mm	191,43	205,30
DUV265-CS2, 265 +/-5 nm, 0.9 mW at 20 mA, +/- 72°, bare die on Si submount, 0.9 x 0.8 mm	191,43	205,30
DUV280-CHIP, 280 +/-5 nm, 2 mW at 20 mA, +/- 72°, bare chip die	150,00	160,87
DUV280-CS1, 280 +/-5 nm, 2 mW at 20 mA, +/- 72°, bare die on Si submount, 1.3 x 1.5 mm	155,71	167,00
DUV280-CS2, 280 +/-5 nm, 2 mW at 20 mA, +/- 72°, bare die on Si submount, 0.9 x 0.8 mm	155,71	167,00
DUV310-CHIP, 310 +/-5 nm, 1.6 mW at 20 mA, +/- 72°, bare chip die	131,43	140,95
DUV310-CS1, 310 +/-5 nm, 1.6 mW at 20 mA, +/- 72°, bare die on Si submount, 1.3 x 1.5 mm	138,57	148,62
DUV310-CS2, 310 +/-5 nm, 1.6 mW at 20 mA, +/- 72°, bare die on Si submount, 0.9 x 0.8 mm	138,57	148,62
DUV325-CHIP, 325 +/-5 nm, 1.5 mW at 20 mA, +/- 72°, bare chip die	90,00	96,52
DUV325-CS1, 325 +/-5 nm, 1.5 mW at 20 mA, +/- 72°, bare die on Si submount, 1.3 x 1.5 mm	95,71	102,65
DUV325-CS2, 325 +/-5 nm, 1.5 mW at 20 mA, +/- 72°, bare die on Si submount, 0.9 x 0.8 mm	95,71	102,65
DUV340-CHIP, 340 +/-5 nm, 1.5 mW at 20 mA, +/- 72°, bare chip die	90,00	96,52
DUV340-CS1, 340 +/-5 nm, 1.5 mW at 20 mA, +/- 72°, bare die on Si submount, 1.3 x 1.5 mm	95,71	102,65
DUV340-CS2, 340 +/-5 nm, 1.5 mW at 20 mA, +/- 72°, bare die on Si submount, 0.9 x 0.8 mm	95,71	102,65
355 nm - 1720 nm	EUR	USD
 <p>LED chip dies mimimum order quantity 100 pcs. (MOQ)</p> <p>355 nm - 1720 nm</p>		
	10-99 pcs.	10-99 pcs.
C355-2SR1, 355 nm, 0.5-1.0 mW @ 20 mA, size: 280 x 280 um, MOQ = 20 pcs.	17,81	19,10
C360-2SR1, 360 nm, 0.5-1.0 mW @ 20 mA, size: 280 x 280 um, MOQ = 20 pcs.	16,54	17,74
C365-2SR2, 365 nm, 1.0-1.5 mW @ 20 mA, size: 280 x 280 um, MOQ = 20 pcs.	11,88	12,74
C365-3SRA1, 365 nm, 5-10 mW @ 100 mA, size: 600 x 600 um, MOQ = 10 pcs.	44,10	47,30
C370-2SR4, 370 nm, 2.0-2.5 mW @ 20 mA, size: 280 x 280 um, MOQ = 20 pcs.	11,88	12,74
C370-5SR7, 370 nm, 3.5-4.5 mW @ 20 mA, size: 350 x 360 um, MOQ = 20 pcs.	17,40	18,66
C375-2SR9, 375 nm, 4.5-5.0 mW @ 20 mA, size: 280 x 280 um, MOQ = 20 pcs.	11,88	12,74
C375-5SR12, 375 nm, 6.0-6.5 mW @ 20 mA, size: 350 x 360 um, MOQ = 20 pcs.	19,09	20,47
C375-3SRA6, 375 nm, 30-35 mW @ 100 mA, size: 600 x 600 um, MOQ = 10 pcs.	37,33	40,04
ELC-395-34, 395 nm, 5 mW @ 20 mA, size: 331 x 331 µm, MOQ = 100 pcs.	6,20	6,65
ELC-405-34, 405 nm, 30 mW @ 20 mA, size: 331 x 331 µm, MOQ = 100 pcs.	2,50	2,68
ELC-410-34, 410 nm, 5 mW @ 20 mA, size: 331 x 331 µm, MOQ = 100 pcs.	1,88	2,02
ELC-430-34, 430 nm, 5 mW @ 20 mA, size: 331 x 331 µm, MOQ = 100 pcs.	1,88	2,02
ELC-460-34, 460 nm, 60 mcd @ 20 mA, size: 300 x 300 µm, MOQ = 100 pcs.	1,88	2,02
ELC-470-34, 470 nm, 280 mcd @ 20 mA, size: 280 x 310 µm, MOQ = 100 pcs.	1,88	2,02
ELC-490-37, 490 nm, 280 mcd @ 20 mA, size: 380 x 380 µm, MOQ = 100 pcs.	o.r	o.r
ELC-505-34, 505 nm, 400 mcd @ 20 mA, size: 381 x 381 µm, MOQ = 100 pcs.	2,50	2,68
ELC-525-34, 525 nm, 9 mW @ 20 mA, size: 380 x 380 µm, MOQ = 100 pcs.	4,12	4,42
ELC-560-10, 560 nm, 2.4 mcd @ 20 mA, size: 235 x 235 µm, MOQ = 100 pcs.	1,93	o.r
ELC-565-13, 565 nm, 70 mcd @ 20 mA, size: 275 x 275 µm, MOQ = 100 pcs.	1,88	2,02

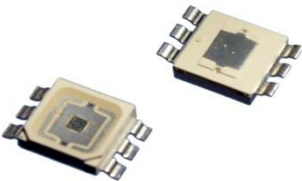


ELC-572-13, 572 nm , 0.23 mW @ 20 mA, size: 265 x 265 µm, MOQ = 100 pcs.	1,93	2,07
ELC-590-13, 590 nm , 150 mcd @ 20 mA, size: 265 x 265 µm, MOQ = 100 pcs.	1,93	2,07
ELC-610-14, 610 nm , 200 mcd @ 20 mA, size: 295 x 295 µm, MOQ = 100 pcs.	1,93	2,07
ELC-630-13-1, 630 nm , 2.5 mW @ 20 mA, size: 265 x 265 µm, MOQ = 100 pcs.	1,93	2,07
ELC-630-15, 630 nm , 600 mcd @ 20 mA, size: 350 x 350 µm, MOQ = 100 pcs.	1,88	2,02
ELC-650-24, 650 nm , 2.0 mW @ 20 mA, size: 310 x 310 µm, MOQ = 100 pcs.	1,93	2,07
ELC-660-23-1, 660 nm , 1.8 mW @ 20 mA, size: 280 x 280 µm, MOQ = 100 pcs.	2,50	2,68
ELC-670-25, 670 nm , 2.5 mW @ 20 mA, size: 325 x 325 µm, MOQ = 100 pcs.	1,88	2,02
ELC-690-27, 690 nm , 5 mW @ 20 mA, size: 360 x 360 µm, MOQ = 100 pcs.	1,93	2,07
ELC-700-25, 700 nm , 3 mW @ 20 mA, size: 325 x 325 µm, MOQ = 100 pcs.	1,93	2,07
ELC-730-25, 730 nm , 3 mW @ 20 mA, size: 325 x 325 µm, MOQ = 100 pcs.	2,50	2,68
ELC-740-25, 740 nm , 2.5 mW @ 20 mA, size: 325 x 325 µm, MOQ = 100 pcs.	1,93	2,07
ELC-760-25, 760 nm , 2.5 mW @ 20 mA, size: 325 x 325 µm, MOQ = 100 pcs.	2,50	2,68
ELC-770-25, 770 nm , 2.7 mW @ 20 mA, size: 325 x 325 µm, MOQ = 100 pcs.	1,93	2,07
ELC-800-25, 800 nm , 3.2 mW @ 20 mA, size: 325 x 325 µm, MOQ = 100 pcs.	2,50	2,68
ELC-830-17, 830 nm , 5.5 mw @ 20 mA, size: 365 x 365 µm, MOQ = 100 pcs.	o.r.	o.r.
ELC-850-27, 830 nm , 6.5 mw @ 20 mA, size: 365 x 365 µm, MOQ = 100 pcs.	o.r.	o.r.
ELC-870-17-2, 875 nm , 6 mW @ 20 mA, size: 360 x 360 µm, MOQ = 100 pcs.	2,50	2,68
ELC-870-27, 875 nm , 4.5 mW @ 20 mA, size: 360 x 360 µm, MOQ = 100 pcs.	2,50	2,68
ELC-905-17, 905 nm , 4 mw @ 20 mA, size: 365 x 365 µm, MOQ = 100 pcs.	2,50	2,68
ELC-910-17, 910 nm , 7 mW @ 20 mA, size: 360 x 360 µm, MOQ = 100 pcs.	1,93	2,07
ELC-935-17, 935 nm , 2.5 mW @ 20 mA, size: 365 x 365 µm, MOQ = 100 pcs.	1,93	2,07
ELC-970-17, 970 nm , 2 mW @ 20 mA, size: 365 x 365 µm, MOQ = 100 pcs.	3,90	4,18
ELC-980-17-1, 980 nm , 2 mW @ 100 mA, size: 360 x 360 µm, MOQ = 100 pcs.	5,25	5,63
ELC-1020-17-1, 1020 nm , 3 mW @ 100 mA, size: 360 x 360 µm, MOQ = 100 pcs.	7,80	8,37
ELC-1060-17-1, 1060 nm , 4 mW @ 50 mA, size: 365 x 365 µm, MOQ = 100 pcs.	10,14	10,87
ELC-1300-17, 1300 nm , 3.5 mW @ 100 mA, size: 360 x 360 µm, MOQ = 100 pcs.	8,86	9,50
ELC-1450-17-1, 1450 nm , 2.5 mW @ 100 mA, size: 360 x 360 µm, MOQ = 100 pcs.	9,90	10,62
ELC-1550-17, 1550 nm , 5 mW @ 100 mA, size: 360 x 360 µm, MOQ = 100 pcs.	11,99	12,86
ELC-1650-17-1, 1650 nm , 2.5 mW @ 100 mA, size: 360 x 360 µm, MOQ = 100 pcs.	9,90	10,62
ELC-1720-17, 1720 nm , 3 mW @ 100 mA, size: 360 x 360 µm, MOQ = 100 pcs.	8,86	9,50
HIGH POWER LED CHIP DIES 365 nm - 970 nm 1x1 mm²	EUR	USD
 High Power LED chip dies, 1x1 mm ² minimum order quantity (MOQ) -> request 365 nm - 970 nm		
	10-99 pcs.	10-99 pcs.
C385H1-V08B, 385-390 nm , 70-80 mW, 350 mA, <3.8 V, 40 mil, LED chip die, InGaN	6,72	7,21
C385H1-V08B, 395-400 nm , 80-90 mW, 350 mA, <4.0 V, 40 mil, LED chip die, InGaN	5,04	5,41
C405H1-DZX3D, 400-405 nm , 80-90 mW, 350 mA, <4.0 V, 40 mil, LED chip die, InGaN	3,60	3,86
C410H1-D1N3F, 410-415 nm , 120-140 mW, 350 mA, <4.0 V, 40 mil, LED chip die, InGaN	3,30	3,54
C420H1-D1N3F, 420-425 nm , 120-140 mW, 350 mA, <4.0 V, 40 mil, LED chip die, InGaN	2,96	3,17
C700-1x1, 700 nm , size: 1x1 mm, LED chip die	2,76	2,96
C810-1x1, 810 nm , size: 1x1 mm, LED chip die	2,54	2,72
HIGH POWER LEDs		
	EUR	USD
 high power single chip UV-LED series hermetic ceramic SMD package glass window		
	1-5 pcs.	1-5 pcs.
UVLED-365-500-SMD, 365 nm , typ. 500 mW at 500 mA, Uf: typ. 3.8 V, 120°, 6.8 x 6.8 x 2.1 mm	35,00	37,54
UVLED-385-500-SMD, 385 nm , typ. 500 mW at 500 mA, Uf: typ. 3.7 V, 120°, 6.8 x 6.8 x 2.1 mm	35,00	37,54

	<p>ultra high power single chip UV-LED series</p> <ul style="list-style-type: none"> - Industry standard SMD 3535 package - silicone lens - Zener diode ESD protection 	1-5 pcs.	1-5 pcs.
CUN66A1B, 365 nm , 900 mW at 500 mA, Uf: typ. 3.8 V, 120°, 3.5 x 3.5 x 2.0 mm		24,00	25,74
CUN66B1B, 365 nm , 850 mW at 500 mA, Uf: typ. 3.8 V, 45°, 3.5 x 3.5 x 2.83 mm		24,00	25,74
	<p>ultra high power single chip UV-LED series</p> <ul style="list-style-type: none"> - aluminium SMD package - quartz glass window - Zener diode ESD protection 	1-5 pcs.	1-5 pcs.
CUN6AF1B, 365 nm , 690 mW at 500 mA, Uf: typ. 4.0 V, 110°, 6.3 x 6.3 x 1.4 mm		32,80	35,18
CUN7AF1B, 375 nm , 710 mW at 500 mA, Uf: typ. 3.8 V, 110°, 6.3 x 6.3 x 1.4 mm		26,70	28,64
CUN8AF1A, 385 nm , 950 mW at 500 mA, Uf: typ. 3.8 V, 110°, 6.3 x 6.3 x 1.4 mm		26,70	28,64
CUN8AF1B, 385 nm , 950 mW at 500 mA, Uf: typ. 3.8 V, 110°, 6.3 x 6.3 x 1.4 mm		26,70	28,64
CUN9AF1B, 395 nm , 900 mW at 500 mA, Uf: typ. 3.6 V, 110°, 6.3 x 6.3 x 1.4 mm		21,00	22,52
CUN0AF1B, 405 nm , 900 mW at 500 mA, Uf: typ. 3.6 V, 110°, 6.3 x 6.3 x 1.4 mm		19,50	20,91
	<p>high power 4-chip UV-LED series hermetic ceramic SMD package glass window RoHS compliant, ESD protection</p>	1-5 pcs.	1-5 pcs.
UVLED-365-2000-SMD, 365 nm , typ 2.0 W at 500 mA, Uf: typ 15.0 V, 120°, 6.8x6.8x1.84 mm		147,00	157,65
UVLED-385-1200-SMD, 385 nm , typ 1.2 mW at 500 mA, Uf: typ 14.8 V, 120°, 6.8x6.8x1.84 mm		120,00	128,70
UVLED-385-2400-SMD, 385 nm , typ 2.4 W at 500 mA, Uf: typ 14.8 V, 120°, 6.8x6.8x1.84 mm		147,00	157,65
	<p>ultra high power 4-chip UV-LED series</p> <ul style="list-style-type: none"> - aluminium SMD package - quartz glass window - 4 chip configuration (2 serial., 2 parallel) - Zener diode ESD protection 	1-5 pcs.	1-5 pcs.
CUN6AF4A, 365 nm , 2.35 W at 1 A, Uf: typ. 7.8 V, 110°, 6.35 x 6.35 x 1.4 mm		102,05	109,45
CUN6HF4A, 365 nm , 5 W at 4 A, Uf: typ. 4.1 V, 6.8 x 6.8 x 1.0 mm		189,00	202,70
CUN8AF4A, 385 nm , 3.75 mW at 1 A, Uf: typ. 7.4 V, 110°, 6.35 x 6.35 x 1.4 mm		98,40	105,53
CUN9AF4A, 395 nm , 3.75 W at 1 A, Uf: typ. 7.4 V, 110°, 6.35 x 6.35 x 1.4 mm		71,80	77,00
	<p>high radiation intensity surface mount LED on AlN ceramics submount, silver plated soldering pads, lead free solderable, RoHS compliant, Top - 40...85°C</p> <p>size: 3.8x3.8x0.9 mm</p>	1-9 pcs.	1-9 pcs.
RLCU-440-365, 365-370 nm , 40-90 mW at 350mA, Vf=4.0V, 120°		64,60	69,28
RLCU-440-380, 380-385 nm , 90-160 mW at 350mA, Vf=4.0V, 120°		32,80	35,18
RLCU-440-390, 390-395 nm , 130-260 mW at 350mA, Vf=4.0V, 120°		23,90	25,63
RLCU-440-400, 400-405 nm , 190-310 mW at 350mA, Vf=4.0V, 120°		20,40	21,88
RLCU-440-410, 410-415 nm , typ.250 mW at 350mA, Vf=4.0V, 120°		28,50	30,57
RLCU-440-415, 415-420 nm , typ.250 mW at 350mA, Vf=4.0V, 120°		28,50	30,57
RLCU-440-720, 720 nm , 30-50 mW/sr at 350mA, 120°		12,00	12,87
RLCU-440-880, 880 nm , 20-30 mW/sr at 350mA, 120°		12,00	12,87
RLCU-440-970, 970 nm , typ.9 mW/sr at 350mA, 120°		22,80	24,45
RLCU-440-1020, 1020 nm , typ.17 mW/sr at 350mA, 120°		29,70	31,85
RLCU-440-1050, 1050 nm , typ.16 mW/sr at 350mA, 120°		29,70	31,85




	<p>high power UV-LED series hermetic ceramic SMD package UV resistant silicone mold integrated zener diode ESD protection</p> <p>size: 5.0 x 5.0 x 1.0 mm</p>		
		1-5 pcs.	1-5 pcs.
	VL370-5050, 370 nm , 20-30 mW at 350 mA, Uf: typ. 4.0-4.2 V, 120°	21,60	23,17
	VL380-5050, 380 nm , 50-60 mW at 350 mA, Uf: typ. 3.8-4.2 V, 120°	15,20	16,30
	VL390-5050, 390 nm , 70-80 mW at 350 mA, Uf: typ. 3.8-4.2 V, 120°	10,95	14,95
	VL400-5050, 400 nm , 100-110 mW at 350 mA, Uf: typ. 3.5-3.8 V, 120°	10,95	14,95
	<p>high power single chip UV-LED series hermetic ceramic SMD package UV resistant silicone mold integrated zener diode ESD protection low operation current</p> <p>size: 4.2 x 4.2 x 1.3 mm</p>		
		1-5 pcs.	1-5 pcs.
	XRL-375-SD, 375 nm , 48 mW at 100 mA, 1 chip, 120°, ceramic SMD, 4.2 x 4.2 x 1.3 mm	49,80	53,41
	<p>high power 4-chip UV-LED series hermetic ceramic SMD package UV resistant silicone mold integrated zener diode ESD protection low operation current</p> <p>size: 4.2 x 4.2 x 1.3 mm</p>		
		1-5 pcs.	1-5 pcs.
	XHL-375-SD, 375 nm , 95 mW at 80 mA, 4 chips, 125°, ceramic SMD, 4.2 x 4.2 x 1.3 mm	49,00	52,55
	XHL-400-SD, 400 nm , 150 mW at 80 mA, 4 chips, 125°, ceramic SMD, 4.2 x 4.2 x 1.3 mm	36,60	39,25
	<p>high power multi chip UV-LED series hermetic ceramic SMD package UV resistant silicone mold</p> <p>size: Ø19.9 x 7.9 mm</p>		
		1-5 pcs.	1-5 pcs.
	XML-365-SD, 365 nm , 200 mW at 300 mA, 25 chips, ceramic SMD, 19.9 x 7.9 mm	175,00	187,68
	XML-385-SD, 385 nm , 1000 mW at 300 mA, 25 chips, ceramic SMD, 19.9 x 7.9 mm	175,00	187,68
	<p>high power single chip UV-LED series hermetic ceramic emitter package UV resistant silicone mold</p>		
		1-5 pcs.	1-5 pcs.
	VL380-EMITTER, 380 nm , 200-300 mW at 350 mA, Uf: typ. 3.0-4.0 V, 140°	18,00	19,30
	VL390-EMITTER, 390 nm , 200-300 mW at 350 mA, Uf: typ. 3.0-4.0 V, 140°	17,00	18,23
	VL400-EMITTER, 400 nm , 300-400 mW at 350 mA, Uf: typ. 3.0-4.0 V, 140°	16,00	17,16
	VL410-EMITTER, 410 nm , 300-400 mW at 350 mA, Uf: typ. 3.0-4.0 V, 140°	15,00	16,09
	VL440-EMITTER, 440 nm , 400-500 mW at 350 mA, Uf: typ. 3.0-4.0 V, 140°	14,00	15,01
HIGH POWER TOP SMD LED		EUR	USD
	<p>high power SMD LED series If: 3 x 20 mA, +/-60° angle 3 chips inside</p> <p>size: 6.0 x 5.0 x 1.7 mm ▶ PHASE OUT</p>		
		1-49 pcs.	1-49 pcs.
	WTFH01DS, white , 3 cd at 3x20mA, Vf = 3.2V, +/-60°	2,29	2,46
	GNFH01TS, green , 523 nm , 1.3 cd at 3x20mA, Vf = 3.2V, +/-60°	1,33	1,43
	OMFH01TS, red , 626 nm , 540 mcd at 3x20mA, Vf = 2.3V, +/-60°	1,00	1,07
HIGH POWER TOP SMD LED SMB1N series		EUR	USD




	<p>1 W high power LED series, power chip technology, chip size 1 x 1 mm², mounted on copper heat sink into a PA9T SMD package, without leads, flat or with lens 365 - 1550 nm available</p> <p>base size: 5.0 x 5.2 mm, silicone / epoxy mold</p>	<p>1-49 pcs.</p>	<p>1-49 pcs.</p>
SMB1N-365V, 365 nm , 500 mW at 500 mA, Uf <4.5 V, 126°, 5.0x5.2x1.0 mm	34,61	37,12	
SMB1N-365V-02, 365 nm , 500 mW at 500 mA, Uf <4.5 V, 20°, 5.0x5.2x5.5 mm	38,25	41,02	
SMB1N-375V, 375 nm , 560 mW at 500 mA, Uf <4.5 V, 126°, 5.0x5.2x1.0 mm	27,44	29,43	
SMB1N-375V-02, 375 nm , 560 mW at 500 mA, Uf <4.5 V, 20°, 5.0x5.2x5.5 mm	29,26	31,39	
SMB1N-395V, 395 nm , 750 mW at 500 mA, Uf <4.5 V, 126°, 5.0x5.2x1.0 mm	17,12	18,36	
SMB1N-395V-02, 395 nm , 750 mW at 500 mA, Uf <4.5 V, 22°, 5.0x5.2x5.5 mm	17,12	18,36	
SMB1N-405V, 405 nm , 710 mW at 500 mA, Uf <4.2 V, 126°, 5.0x5.2x1.0 mm	17,12	18,36	
SMB1N-405V-02, 405 nm , 710 mW at 500 mA, Uf <4.2 V, 22°, 5.0x5.2x5.5 mm	20,76	22,27	
SMB1N-420H, 420 nm , 420 mW at 350 mA, Uf <3.8 V, 126°, 5.0x5.2x1.0 mm	8,50	9,12	
SMB1N-420H-02, 420 nm , 420 mW at 350 mA, Uf <3.8 V, 20°, 5.0x5.2x5.5 mm	10,32	11,07	
SMB1N-435V, 435 nm , 800 mW at 500 mA, Uf <4.5 V, 126°, 5.0x5.2x1.0 mm	o.r.	o.r.	
SMB1N-D450, 450 nm , 480 mW at 350 mA, Uf <4.0 V, 130°, 5.0x5.2x1.0 mm	6,27	6,72	
SMB1N-D450-02, 450 nm , 480 mW at 350 mA, Uf <4.0 V, 20°, 5.0x5.2x5.5 mm	10,44	11,20	
SMB1N-D470, 470 nm , 480 mW at 350 mA, Uf <3.8 V, 130°, 5.0x5.2x1.0 mm	8,50	9,12	
SMB1N-D470-02, 470 nm , 470 mW at 350 mA, Uf <3.8 V, 20°, 5.0x5.2x5.5 mm	10,93	11,72	
SMB1N-490, 490 nm , 320 mW at 350 mA, Uf <4.1 V, 126°, 5.0x5.2x1.0 mm	8,50	9,12	
SMB1N-490H, 490 nm , 340 mW at 350 mA, Uf <3.8 V, 128°, 5.0x5.2x1.0 mm	8,50	9,12	
SMB1N-490H-02, 490 nm , 340 mW at 350 mA, Uf <3.8 V, 22°, 5.0x5.2x5.5 mm	10,66	11,43	
SMB1N-515V, 515 nm , 230 mW at 350 mA, Uf <3.6 V, 126°, 5.0x5.2x1.0 mm	8,50	9,12	
SMB1N-515V-02, 515 nm , 250 mW at 350 mA, Uf <3.6 V, 18°, 5.0x5.2x5.5 mm	10,32	11,07	
SMB1N-D520, 520 nm , 250 mW at 350 mA, Uf <3.8 V, 130°, 5.0x5.2x1.0 mm	6,80	7,29	
SMB1N-525V, 525 nm , 230 mW at 350 mA, Uf <3.6 V, 126°, 5.0x5.2x1.0 mm	8,50	9,12	
SMB1N-525V-02, 525 nm , 230 mW at 350 mA, Uf <3.6 V, 22°, 5.0x5.2x5.5 mm	10,93	11,72	
SMB1N-590, 590 nm , 300 mW at 500 mA, Uf <3.0 V, 120°, 5.0x5.2x1.0 mm	9,59	10,29	
SMB1N-590-02, 590 nm , 200 mW at 350 mA, Uf <2.8 V, 24°, 5.0x5.2x5.5 mm	11,51	12,35	
SMB1N-620, 620 nm , 190 mW at 350 mA, Uf <2.7 V, 124°, 5.0x5.2x1.0 mm	9,11	9,77	
SMB1N-620-02, 620 nm , 190 mW at 350 mA, Uf <2.7 V, 18°, 5.0x5.2x5.5 mm	11,54	12,37	
SMB1N-D630, 630 nm , 330 mW at 350 mA, Uf <2.8 V, 126°, 5.0x5.2x1.0 mm	7,04	7,55	
SMB1N-D630-02, 630 nm , 330 mW at 350 mA, Uf <2.8 V, 18°, 5.0x5.2x5.5 mm	10,93	11,72	
SMB1N-D660N, 660 nm , 250 mW at 350 mA, Uf <3.0 V, 124°, 5.0x5.2x1.0 mm	9,11	9,77	
SMB1N-D660N-02, 660 nm , 250 mW at 350 mA, Uf <3.0 V, 22°, 5.0x5.2x5.5 mm	11,54	12,37	
SMB1N-670D, 670 nm , 250 mW at 350 mA, Uf <2.5 V, 124°, 5.0x5.2x1.0 mm	10,69	11,46	
SMB1N-670D-02, 670 nm , 290 mW at 350 mA, Uf <3.0 V, 22°, 5.0x5.2x5.5 mm	12,51	13,41	
SMB1N-680, 680 nm , 170 mW at 600 mA, Uf <2.5 V, 124°, 5.0x5.2x1.0 mm	10,69	11,46	
SMB1N-680-02, 680 nm , 170 mW at 600 mA, Uf <2.5 V, 18°, 5.0x5.2x5.5 mm	12,51	13,41	
SMB1N-690D, 690 nm , 490 mW at 600 mA, Uf <3.0 V, 126°, 5.0x5.2x1.0 mm	10,44	11,20	
SMB1N-690D-02, 690 nm , 490 mW at 600 mA, Uf <3.0 V, 18°, 5.0x5.2x5.5 mm	12,87	13,80	
SMB1N-700, 700 nm , 120 mW at 500 mA, Uf <2.7V, 128°, 5.0x5.2x1.0 mm	10,69	11,46	
SMB1N-700-02, 700 nm , 120 mW at 500 mA, Uf <2.7 V, 20°, 5.0x5.2x5.5 mm	13,11	14,06	
SMB1N-720, 720 nm , 170 mW at 600 mA, Uf <2.8 V, 126°, 5.0x5.2x1.0 mm	10,69	11,46	
SMB1N-720-02, 720 nm , 190 mW at 600 mA, Uf <2.8 V, 20°, 5.0x5.2x5.5 mm	12,51	13,41	
SMB1N-735, 735 nm , 200 mW at 600 mA, Uf <2.3 V, 130°, 5.0x5.2x1.0 mm	10,44	11,20	
SMB1N-735-02, 735 nm , 200 mW at 600 mA, Uf <2.3 V, 22°, 5.0x5.2x5.5 mm	12,87	13,80	
SMB1N-740D, 740 nm , 290 mW at 600 mA, Uf <2.4 V, 126°, 5.0x5.2x1.0 mm	9,47	10,16	
SMB1N-740D-02, 740 nm , 290 mW at 600 mA, Uf <2.4 V, 18°, 5.0x5.2x5.5 mm	12,87	13,80	
SMB1N-750, 750 nm , 290 mW at 800 mA, Uf <2.4 V, 126°, 5.0x5.2x1.0 mm	10,44	11,20	
SMB1N-750-02, 750 nm , 290 mW at 800 mA, Uf <2.4 V, 20°, 5.0x5.2x5.5 mm	12,87	13,80	
SMB1N-760D, 760 nm , 400 mW at 800 mA, Uf <2.5 V, 128°, 5.0x5.2x1.0 mm	10,44	11,20	
SMB1N-760D-02, 760 nm , 400 mW at 800 mA, Uf <2.5 V, 20°, 5.0x5.2x5.5 mm	12,87	13,80	
SMB1N-770, 770 nm , 290 mW at 800 mA, Uf <2.5 V, 130°, 5.0x5.2x1.0 mm	10,44	11,20	
SMB1N-770-02, 770 nm , 330 mW at 800 mA, Uf <2.5 V, 20°, 5.0x5.2x5.5 mm	12,87	13,80	
SMB1N-780-02, 780 nm , 330 mW at 800 mA, Uf <2.5 V, 20°, 5.0x5.2x5.5 mm	9,47	10,16	
SMB1N-780D, 780 nm , 500 mW at 800 mA, Uf <2.6 V, 128°, 5.0x5.2x1.0 mm	10,44	11,20	
SMB1N-780D-02, 780 nm , 500 mW at 800 mA, Uf <2.6 V, 18°, 5.0x5.2x5.5 mm	12,87	13,80	





SMB1N-810D, 810 nm , 560 mW at 800 mA, Uf <2.5 V, 126°, 5.0x5.2x1.0 mm	11,78	12,63
SMB1N-810D-02, 810 nm , 560 mW at 800 mA, Uf <2.5 V, 20°, 5.0x5.2x5.5 mm	12,87	13,80
SMB1N-830N, 830 nm , 280 mW at 800 mA, Uf <2.2 V, 128°, 5.0x5.2x1.0 mm	9,71	10,42
SMB1N-830N-02, 830 nm , 340 mW at 800 mA, Uf <2.2 V, 18°, 5.0x5.2x5.5 mm	12,14	13,02
SMB1N-850D, 850 nm , 650 mW at 1000 mA, Uf <2.5 V, 124°, 5.0x5.2x1.0 mm	9,98	10,70
SMB1N-850D-02, 850 nm , 630 mW at 1000 mA, Uf <2.5V, 22°, 5.0x5.2x5.5 mm	11,88	12,74
SMB2N-850D-I, 850 nm , 1000 mW at 1000 mA, 120°, 5.0x5.2x1.0 mm, 2 chip dies	17,95	19,25
SMB3N-850D-I, 850 nm , 1500 mW at 1000 mA, Uf <7.5 V, 5.0x5.2x1.0 mm, 3 chip dies	o.r	o.r
SMB3N-850D-02-I, 850 nm , 1600 mW at 1000 mA, Uf <7.5 V, 5.0x5.2x5.5 mm, 3 chip dies	o.r	o.r
SMB1N-870, 870 nm , 440 mW at 1000 mA, Uf <2.0 V, 130°, 5.0x5.2x1.0 mm	9,23	9,90
SMB1N-870-02, 870 nm , 430 mW at 1000 mA, Uf <2.5 V, 24°, 5.0x5.2x5.5 mm	11,66	12,50
SMB1N-880, 880 nm , 320 mW at 800 mA, Uf <2.2 V, 128°, 5.0x5.2x1.0 mm	9,71	10,42
SMB1N-880-02, 880 nm , 320 mW at 800 mA, Uf <2.2 V, 20°, 5.0x5.2x5.5 mm	14,57	15,63
SMB1N-940-02, 940 nm , 120 mW at 500 mA, Uf <1.8 V, 24°, 5.0x5.2x1.0 mm	9,30	9,97
SMB1N-940D, 940 nm , 630 mW at 1000 mA, Uf <1.8 V, 124°, 5.0x5.2x1.0 mm	9,47	10,16
SMB1N-940D-02, 940 nm , 630 mW at 1000 mA, Uf <1.8 V, 22°, 5.0x5.2x5.5 mm	11,90	12,76
SMB1N-970, 970 nm , 30 mW at 400 mA, Uf <1.7 V, 134°, 5.0x5.2x1.0 mm	6,07	6,51
SMB1N-970-02, 970 nm , 30 mW at 400 mA, Uf <1.7 V, 20°, 5.0x5.2x5.5 mm	8,50	9,12
SMB1N-980D, 980 nm , 400 mW at 800 mA, Uf <2.0 V, 122°, 5.0x5.2x1.0 mm	9,03	9,69
SMB1N-980-02, 980 nm , 70 mW at 500 mA, Uf <1.7 V, 20°, 5.0x5.2x5.5 mm	9,35	10,03
SMB1N-1050, 1050 nm , 45 mW at 500 mA, Uf <1.4 V, 138°, 5.0x5.2x1.0 mm	51,36	55,09
SMB1N-1050-02, 1050 nm , 45 mW at 500 mA, Uf <1.4 V, 20°, 5.0x5.2x5.5 mm	53,79	57,69
SMB1N-1200, 1200 nm , 39 mW at 500 mA, Uf <1.4 V, 138°, 5.0x5.2x1.0 mm	51,36	55,09
SMB1N-1200-02, 1200 nm , 39 mW at 500 mA, Uf <1.4 V, 20°, 5.0x5.2x5.5 mm	53,79	57,69
SMB1N-1300, 1300 nm , 43 mW at 500 mA, Uf <1.4 V, 138°, 5.0x5.2x1.0 mm	51,36	55,09
SMB1N-1300-02, 1300 nm , 43 mW at 500 mA, Uf <1.4 V, 20°, 5.0x5.2x5.5 mm	53,79	57,69
SMB1N-1450, 1450 nm , 17 mW at 500 mA, Uf <1.4 V, 138°, 5.0x5.2x1.0 mm	51,36	55,09
SMB1N-1450-02, 1450 nm , 17 mW at 500 mA, Uf <1.4 V, 20°, 5.0x5.2x5.5 mm	53,79	57,69
SMB1N-1550, 1550 nm , 18 mW at 500 mA, Uf <1.4 V, 138°, 5.0x5.2x1.0 mm	51,36	55,09
SMB1N-1550-02, 1550 nm , 18 mW at 500 mA, Uf <1.4 V, 20°, 5.0x5.2x5.5 mm	53,79	57,69
SMB1N-1650, 1650 nm , 16 mW at 500 mA, Uf <1.5 V, 136°, 5.0x5.2x1.0 mm	51,36	55,09
SMB1N-1650-02, 1650 nm , 16 mW at 500 mA, Uf <1.5 V, 20°, 5.0x5.2x5.5 mm	53,79	57,69
further wavelengths available on request		
HIGH POWER TOP SMD LED SMB1W series	EUR	USD
 <p>1 W high power LED series, power chip technology, chip size 1 x 1 mm², mounted on copper heat sink into a hermetic ceramic SMD package, with leads flat or with lens 395 nm - 940 nm available base size: 5.0 x 5.0 mm, silicone / epoxy mold</p>		
SMB1W-395R, 395 nm , 100 mW at 200 mA, Vf <4.5 V, 120°	19,44	20,85
SMB1W-470-04, 470 nm , 170 mW at 250 mA, Vf <3.8 V, 36°	14,14	15,16
SMB1W-490R, 490 nm , 160 mW at 250 mA, Vf <4.1 V, 126°	12,37	13,27
SMB1W-490-31, 490 nm , 180 mW at 250 mA, Vf <4.1 V, 14°	16,19	17,37
SMB1W-525R, 525 nm , 55 mW at 200 mA, Vf <3.8 V, 120°	12,37	13,27
SMB1W-670R, 675 nm , 200 mW at 600 mA, Vf < 2.0V, 124°	11,49	12,32
SMB1W-680R-I, 680 nm , 90 mW at 500 mA, Vf <2.7 V, 124°, isolated	12,37	13,27
SMB1W-700-02, 700 nm , 90 mW at 500 mA, Vf <2.7 V, 22°	9,19	9,86
SMB1W-700-04, 700 nm , 90 mW at 500 mA, Vf <2.7 V, 48°	9,19	9,86
SMB1W-700-04-I, 700 nm , 90 mW at 500 mA, Vf <2.7 V, 48°, isolated	14,14	15,16
SMB1W-750-02, 750 nm , 330 mW at 800 mA, Vf <2.5 V, 22°	8,66	9,29
SMB1W-750-04, 750 nm , 330 mW at 800 mA, Vf <2.5 V, 42°	12,55	13,46
SMB1W-760-I, 760 nm , 330 mW at 800 mA, Vf <2.5 V, 124°, isolated	11,66	12,51
SMB1W-760-04-I, 760 nm , 330 mW at 800 mA, Vf <2.5 V, 48°, isolated	13,43	14,40
SMB1W-770R, 770 nm , 330 mW at 800 mA, Vf <2.5V, 124°	11,66	12,51
SMB1W-770-04, 770 nm , 330 mW at 800 mA, Vf < V, 42°	12,55	13,46
SMB1W-780-02, 780 nm , 330 mW at 800 mA, Vf <2.5 V, 22°	12,90	13,83
SMB1W-780-04-I, 780 nm , 330 mW at 800 mA, Vf <2.5 V, 48°, isolated	13,43	14,40
SMB1W-850, 850 nm , 430 mW at 1.0 A, Vf <2.5 V, 132°	9,90	10,62
SMB1W-850D, 850 nm , 600 mW at 1.0 A, Vf <2.9 V, 126°	9,90	10,62



SMB1W-850D-04, 850 nm , 630 mW at 1.0 A, Vf <2.5 V, 38°	11,49	12,32
SMB1W-870, 870 nm , 430 mW at 1.0 A, Vf <2.5 V, 132°	9,90	10,62
SMB1W-870-I, 870 nm , 230 mW at 600 mA, Vf <2.1 V, 132°, isolated	10,78	11,56
SMB1W-880R-I, 880 nm , 320 mW at 800 mA, Vf <2.2 V, 132°, isolated	12,37	13,27
SMB1W-880-04-I, 880 nm , 320 mW at 800 mA, Vf <2.2 V, 42°, isolated	12,55	13,46
SMB1W-940-04-I, 940 nm , 110 mW at 500 mA, Vf <1.65 V, 50°, isolated	8,48	9,09
HIGH POWER TOP SMD LED SMB MULTI CHIP series	EUR	USD
 <p>high power LED series, power chip technology multi chip LEDs, mounted on copper heat sink into a hermetic ceramic SMD package 395 nm - 1050 nm available, different lenses available</p> <p>base size: 5.0 x 5.0 mm², silicone / epoxy mold</p>		
SMB3W-420/525/640R-I, 420/525/640 nm , 115/60/110 mW at 300 mA, 124°, triple LED, iso.	44,53	47,76
ACCESSORIES FOR SMB series	EUR	USD
 <p>PCB boards to get your SMB LEDs mounted easily! Available for SMB1W and SMB1N series</p> <p>size: 17 x 23 mm</p>		
SMB1W-PCB, PCB for SMB1W series, 17 x 23 mm	5,76	6,18
SMB1N-PCB, PCB for SMB1N series, 17 x 23 mm	5,76	6,18
 <p>Taped Lens for SMB LEDs Clear Lens with holder, taped for easy mounting. Optical grade PMMA with high UV and temperature resistance (105°C)</p> <p>size: Ø16.1 x 10.1 mm</p>		
SMB-LENS, 10 degree FWHM, PMMA, Ø16.1 x 10.1 mm	2,76	2,96
SUPER BEAM LED square EPOXY	EUR	USD
 <p>super beam LED series +/-8° viewing angle clear epoxy package</p> <p>base size: 7.6 x 7.6 mm</p>		
	1-19 pcs.	1-19 pcs.
FL630W-21, 635 nm , 8 mW or 10 cd at 20 mA, VF <2.2 V, +/- 8°	3,36	3,60
FL850-03-80, 850 nm , 60 mW at 100 mA, 16°, tr/ff 15/10ns	6,01	6,45
ENHANCED POWER LED SERIES HIGH POWER LED EP20 series ULTRA NARROW BEAM	EUR	USD
 <p>high power LED series, 1 power chip inside, If: 150 mA</p> <p>size: 15.6 x 11,2 mm² base, 10.0 x 14.10 mm dome</p> <p>► PHASE OUT</p>		
	1-9 pcs.	1-9 pcs.
EP2012-150A1, yellow, 590 nm , 35 cd at 150 mA, +/-10°	6,16	6,61
EP204K-150B1, blue, 470 nm , 1.5 cd at 150 mA, +/-50°	6,16	6,61
HIGH POWER LED JET series NARROW BEAM M12 x 1	EUR	USD
 <p>ultra narrow beam angle power LED series 5° and 10° viewing angle, 1 power chip, clear epoxy package, square beam, no dark beam center from bonding wire, fast switching (30/40ns)</p> <p>M12 x 1 thread package</p>		
	1-9 pcs.	1-9 pcs.
JET-635-05, 635 nm , 110 mW at 500 mA, 5° (2Θ1/2)	44,00	47,19
JET-635-10, 635 nm , 205 mW at 500 mA, 10° (2Θ1/2)	44,00	47,19
JET-660-05, 655 nm , 135 mW at 500 mA, 05° (2Θ1/2)	44,00	47,19


JET-660-12, 655 nm , 210 mW at 500 mA, 10° (2Θ1/2)	44,00	47,19
JET-685-05, 680 nm , 70 mW at 700 mA, 05° (2Θ1/2)	44,00	47,19
JET-685-10, 680 nm , 88 mW at 700 mA, 10° (2Θ1/2)	44,00	47,19
JET-735-05, 730 nm , 70 mW at 500 mA, 5° (2Θ1/2)	44,00	47,19
JET-735-10, 730 nm , 130 mW at 500 mA, 10° (2Θ1/2)	44,00	47,19
JET-800-10, 800 nm , 90 mW at 500 mA, 10° (2Θ1/2)	44,00	47,19
JET-870-05, 870 nm , 90 mW at 500 mA, 05° (2Θ1/2)	44,00	47,19
JET-870-10, 870 nm , 90 mW at 500 mA, 10° (2Θ1/2)	44,00	47,19
HIGH POWER LED ELJ series JUMBO PACKAGE M10 x 1.5 - 1 WATT	EUR	USD
 narrow beam power LED series, 1 power chip , clear aspheric plastic lens, round beam M10 x 1.5 thread package, metal case available viewing angle: 10, 20, 40 and 85° further wavelengths available on request	1-9 pcs.	1-9 pcs.
ELJ-375-697, 375 nm , 85 mW at 500 mA, 85°, MOQ: 20 pcs.	81,90	87,84
ELJ-385-697, 385 nm , 190 mW at 700 mA, 85°, MOQ: 20 pcs.	81,90	87,84
ELJ-405-697, 405 nm , 240 mW at 500 mA, 85°, MOQ: 20 pcs.	81,90	87,84
ELJ-465-627, 465 nm , 45 mW / 35 cd / 2.75 lm at 350 mA, 3.3 V, 15°	27,20	29,17
ELJ-525-627, 525 nm , 70 mW at 500 mA, 20°	32,55	34,91
ELJ-590-617, 595 nm , 45 mW / 1.3 W/sr at 700 mA, <3.2 V, 8°	27,20	29,17
ELJ-630-628, 630 nm , 95 mW at 1 A, 20°	32,55	34,91
ELJ-650-637, 650 nm , 75 mW / 220 mW/sr at 700 mA, <2.6 V, 26°	27,20	29,17
ELJ-660-618, 660 nm , 35 mW at 1 A, 10°, MOQ: 20 pcs.	32,55	34,91
ELJ-670-629, 670 nm , 80 mW at 1 A, 2.0 V, 15°	27,20	29,17
ELJ-730-626, 730 nm , 100 mW at 500 mA, 20°, MOQ: 20 pcs.	32,55	34,91
ELJ-750-629, 750 nm , 200 mW / 1.8 W/sr at 1 A, 2.0 V, tr/ff: 60 ns, 20°	27,20	29,17
ELJ-810-629, 810 nm , 110 mW / 980 mW/sr at 1 A, 2.0 V, tr,ff: 75 ns, 15°	27,20	29,17
ELJ-830-629, 830 nm , 90 mW at 1.2 A, 20°, MOQ: 20 pcs.	32,55	34,91
ELJ-830-649, 830 nm , 280 mW / 850 mW/sr at 1 A, <2.4 V, 35°	27,20	29,17
ELJ-850-629, 850 nm , 280 mW / 2.0 W/sr at 1 A, 2.0 V, tr/ff: 15/20 ns, 20°	27,20	29,17
ELJ-870-619, 870 nm , 220 mW / 2.5 W/sr at 1 A, <2.3 V, 13°	27,20	29,17
ELJ-870-629, 870 nm , 250 mW / 1.9 W/sr at 1 A, 2.0 V, tr/ff: 10/20 ns, 15°	27,20	29,17
ELJ-870-649, 870 nm , 240 mW / 615 mW/sr at 1A, <2.3 V, 35°	27,20	29,17
ELJ-940-629, 940 nm , 50 mW at 1.8 A, 20°, MOQ: 20 pcs.	32,55	34,91
ELJ-940-649, 940 nm , 215 mW / 670 mW/sr at 1.5 A, <2.4 V, 30°	27,20	29,17
ELJ-1300-629, 1300 nm , 14 mW at 350 mA, 20°, MOQ: 20 pcs.	90,30	96,84
ELJ-1550-629, 1550 nm , 14 mW at 1 A, 20°, MOQ: 20 pcs.	90,30	96,84
HIGH POWER LED APG2C1 series EMITTER PACKAGE - 1 WATT	EUR	USD
 high power LED emitter typ. 1 Watt electrical power base diameter 7.4 mm, height 6.87 mm package color: black or white silicone lens	1-9 pcs.	1-9 pcs.
APG2C1-365-r4, UV, 365 nm , 270 mW at 350 mA, Uf <4.2 V, +/-75°, silicone lens	22,00	23,59
APG2C1-375, UV, 375 nm , 55 mW at 350 mA, Uf 3.7 V, +/-75°, silicone lens	18,00	19,30
APG2C1-375-E, UV, 375 nm , 200 mW at 350 mA, Uf 3.7 V, +/-75°, silicone lens	21,00	22,52
APG2C1-385, UV, 385 nm , 60 mW at 350 mA, Uf 3.7 V, +/-75°, silicone lens	16,70	17,91
APG2C1-385-r2, UV, 385 nm , 320 mW at 350 mA, Uf 3.6 V, +/-75°, silicone lens	17,90	19,20
APG2C1-395, UV, 395 nm , 55 mW at 350 mA, Uf 3.7 V, +/-75°, silicone lens	16,00	17,16
APG2C1-405, violet, 405 nm , 105 mW at 350 mA, Uf 3.7 V, +/-75°, silicone lens	14,50	15,55
APG2C1-410, violet, 410 nm , 125 mW at 350 mA, Uf 3.7 V, +/-75°, silicone lens	7,93	8,50
APG2C1-410-r2, violet, 410 nm , 400 mW at 350 mA, Uf <3.9 V, +/-75°, silicone lens	13,00	13,94
APG2C1-420, violet, 420 nm , 130 mW at 350 mA, Uf 3.7 V, +/-75°, silicone lens	7,93	8,50
APG2C1-435, violet, 435 nm , 380 mW at 350 mA, Uf 3.5 V, +/-75°	7,93	8,50
APG2C1-450, royal blue, 450 nm , 430 mW at 350 mA, Uf 3.1 V, +/-75°	7,93	8,50
APG2C1-470, blue, 470 nm , 200 mW at 350 mA, Uf 3.3 V, +/-75°	7,93	8,50
APG2C1-480, blue, 480 nm , 16-18cd at 350 mA, Uf 3.3 V, +/-75°	7,93	8,50
APG2C1-490, cyan, 490 nm , 130 mW at 350 mA, Uf 3.3 V, +/-75°	7,93	8,50






APG2C1-505, cyan, 505 nm , 130 mW at 350 mA, Uf = 3.5 V, +/-75°	7,93	8,50
APG2C1-515, green, 515 nm , 150 mW at 350 mA, Uf = 3.3 V, +/-75°	7,93	8,50
APG2C1-650, red, 650 nm , 60 mW at 350 mA, Uf = 2.1 V, +/-75°	7,93	8,50
APG2C1-660, red, 660 nm , 60 mW at 350 mA, Uf = 2.1 V, +/-75°	7,93	8,50
APG2C1-670, red, 670 nm , 60 mW at 350 mA, Uf = 2.0 V, +/-75°	7,93	8,50
APG2C1-680, red, 680 nm , 60 mW at 350 mA, Uf = 2.0 V, +/-75°	7,93	8,50
APG2C1-690, red, 690 nm , 60 mW at 350 mA, Uf = 1.7 V, +/-75°	7,93	8,50
APG2C1-720, IR, 720 nm , 100 mW at 350 mA, Uf = 2.0 V, +/-75°	7,93	8,50
APG2C1-740, IR, 740 nm , 80 mW at 350 mA, Uf = 1.9 V, +/-75°	7,93	8,50
APG2C1-760, IR, 760 nm , 70 mW at 350 mA, Uf = 1.9 V, +/-75°	7,93	8,50
APG2C1-780, IR, 780 nm , 70 mW at 350 mA, Uf 1.7 V, +/-75°	7,93	8,50
APG2C1-810, IR, 810 nm , 90 mW at 350 mA, Uf 1.8 V, +/-75°	7,93	8,50
APG2C1-830, IR, 830 nm , 70 mW at 350 mA, Uf = 1.5 V, +/-75°	7,93	8,50
APG2C1-850, IR, 850 nm , 90 mW at 350 mA, Uf 1.5 V, +/-75°	7,93	8,50
APG2C1-880, IR, 880 nm , 90 mW at 350 mA, Uf 1.5 V, +/-75°	7,93	8,50
APG2C1-905, IR, 905 nm , 70 mW at 350 mA, Uf 1.3 V, +/-75°	7,93	8,50
APG2C1-920, IR, 920 nm , 80 mW at 350 mA, Uf = 1.3 V, +/-75°	7,93	8,50
APG2C1-940, IR, 940 nm , 50 mW at 350 mA, Uf 1.3 V, +/-75°	7,93	8,50
APG2C1-970, IR, 970 nm , 40 mW at 350 mA, Uf = 1.4 V, +/-75°	7,93	8,50
APG2C1-1020, IR, 1020 nm , 40 mW at 350 mA, Uf = 1.4 V, +/-75°	28,30	30,35
APG2C1-1030, IR, 1030 nm , 60 mW at 350 mA, Uf = 1.4 V, +/-75°	28,30	30,35
APG2C1-1050, IR, 1050 nm , 50 mW at 350 mA, Uf = 1.4 V, +/-75°	28,30	30,35
HIGH POWER LED HP803 series EMITTER PACKAGE - 3 WATT	EUR	USD
 <p>high power LED emitter, 3 Watt electrical power, highest flux, very long operating life (>>50000 hr) higher energy efficiency than incandescent and most halogen lamps low voltage DC operation instant light on/off (less than 100 ns) superior ESD protection base diameter 7.4 mm, height 6.87 mm ► PHASE OUT</p>	1-9 pcs.	1-9 pcs.
HP803NW, white , typ. 6000 K, 130-160 lm at 700 mA, Ub 4.0 V, 120°	6,75	7,24
HP803WW, warm white , typ. 3300 K, 140-170 lm at 700 mA, Ub 4.0 V, 120°	6,75	7,24
HP803PG, pure green, 530 nm , 80-110 lm at 700 mA, Ub 3.8 V, 120°	6,75	7,24
HP803NO, amber, 590 nm , 36 lm at 700 mA, Ub 3.0 V, 120°	5,85	6,27
HP803NR, red, 625 nm , 50-70 lm at 700 mA, Ub 3.0 V, 120°	5,85	6,27
HIGH POWER LED APG2C3 series EMITTER PACKAGE - 3 WATT	EUR	USD
 <p>high power LED emitter 3 Watt electrical power base diameter 7.4 mm, height 6.87 mm package color: black or white</p>	1-9 pcs.	1-9 pcs.
APG2C3-NW, white , typ. 6000 K, 150-170 lm at 700 mA, Ub 4.0 V, 120°	6,75	7,24
APG2C3-WW, warm white , typ. 3300 K, 140-160 lm at 700 mA, Ub 4.0 V, 120°	6,75	7,24
APG2C3-460, 470 nm , 20-30 lm at 700 mA, Ub 4.0 V, 120°	6,75	7,24
APG2C3-470, 470 nm , 20-40 lm at 700 mA, Ub 3.6 V, 120°	6,75	7,24
APG2C3-530, 530 nm , 90-120 lm at 700 mA, Ub 4.0 V, 120°	6,75	7,24
APG2C3-590, 590 nm , 60-80 lm at 700 mA, Ub 2.8 V, 120°	5,85	6,27
APG2C3-625, 625 nm , 60-80 lm at 700 mA, Ub 2.8 V, 120°	5,85	6,27
HIGH POWER LED APG2C5 series EMITTER PACKAGE - 5 WATT	EUR	USD
 <p>high power LED emitter 5 Watt electrical power, chip size 2 x 2 mm² base diameter 7.4 mm, height 6.87 mm package color: black or white</p>	1-9 pcs.	1-9 pcs.
APG2C5-670, red, 670 nm , typ. 250-300 mW at 2 A, +/-75°, lambertian epoxy lens	26,00	27,88
APG2C5-680, red, 680 nm , typ. 550 mW at 2 A, +/-75°, lambertian epoxy lens	26,00	27,88
HIGH POWER LED H2A1 series HEXAGONAL PACKAGE - 1 WATT	EUR	USD


	<p>1 W high power LED series, diverse wavelengths, power chip technology, chip size 1 x 1 mm², lambertian high dome lens diameter: 20 mm, mechanical compatible with many collimating lenses</p>	1-9 pcs.	1-9 pcs.
H2A1-H365-r4, UV, 365 nm , 270 mW at 350 mA, Uf <4.2 V, +/-75°, silicone lens		22,50	24,13
H2A1-H375-E, UV, 375 nm , 200 mW at 350 mA, Uf = 3.7 V, +/-75°, silicone lens		21,50	23,06
H2A1-H385, UV, 385 nm , 60 mW at 350 mA, Uf = 3.7 V, +/-75°, silicone lens		17,20	18,45
H2A1-H385-r2, UV, 385 nm , 320 mW at 350 mA, Uf = 3.6 V, +/-75°, silicone lens		18,40	19,73
H2A1-H395, UV, 395 nm , 55 mW at 350 mA, Uf = 3.7 V, +/-75°, silicone lens		16,50	17,70
H2A1-H405, violet, 405 nm , 105 mW at 350 mA, Uf = 3.7 V, +/-75°, silicone lens		15,00	16,09
H2A1-H410-r2, violet, 410 nm , 400 mW at 350 mA, Uf <3.9 V, +/-75°, silicone lens		13,50	14,48
H2A1-H420, violet, 420 nm , 130 mW at 350 mA, Uf = 3.7 V, +/-75°, silicone lens		8,79	9,43
H2A1-H435, violet, 435 nm , 380 mW at 350 mA, Uf = 3.5 V, +/-75°		8,79	9,43
H2A1-H450, royal blue, 450 nm , 430 mW at 350 mA, Uf = 3.1 V, +/-75°		8,79	9,43
H2A1-H470, blue, 470 nm , 200 mW at 350 mA, Uf = 3.3 V, +/-75°		8,79	9,43
H2A1-H480, blue, 480 nm , 16-18 cd at 350 mA, Uf = 3.3 V, +/-75°		8,79	9,43
H2A1-H490, cyan, 490 nm , 130 mW at 350 mA, Uf = 3.3 V, +/-75°		8,79	9,43
H2A1-H505, cyan, 505 nm , 130 mW at 350 mA, Uf = 3.5 V, +/-75°		8,79	9,43
H2A1-H515, green, 515 nm , 150 mW at 350 mA, Uf = 3.3 V, +/-75°		8,79	9,43
H2A1-H650, red, 650 nm , 40 mW at 350 mA, Uf = 2.0 V, +/-75°		8,79	9,43
H2A1-H660, red, 660 nm , 60 mW at 350 mA, Uf = 2.1 V, +/-75°		8,79	9,43
H2A1-H670, red, 670 nm , 60 mW at 350 mA, Uf = 2.0 V, +/-75°		8,79	9,43
H2A1-H680, red, 680 nm , 60 mW at 350 mA, Uf = 2.0 V, +/-75°		8,79	9,43
H2A1-H690, red, 690 nm , 60 mW at 350 mA, Uf = 1.7 V, +/-75°		8,79	9,43
H2A1-H720, IR, 720 nm , 70 mW at 350 mA, Uf = 2.0 V, +/-75°		8,79	9,43
H2A1-H740, IR, 740 nm , 80 mW at 350 mA, Uf = 1.9 V, +/-75°		8,79	9,43
H2A1-H760, IR, 760 nm , 80 mW at 350 mA, Uf = 1.9 V, +/-75°		8,79	9,43
H2A1-H780, IR, 780 nm , 70 mW at 350 mA, Uf = 1.7 V, +/-75°		8,79	9,43
H2A1-H810, IR, 810 nm , 90 mW at 350 mA, Uf = 1.8 V, +/-75°		8,79	9,43
H2A1-H830, IR, 830 nm , 70 mW at 350 mA, Uf = 1.5 V, +/-75°		8,79	9,43
H2A1-H850, IR, 850 nm , 90 mW at 350 mA, Uf = 1.5 V, +/-75°		8,79	9,43
H2A1-H880, IR, 880 nm , 90 mW at 350 mA, Uf = 1.5 V, +/-75°		8,79	9,43
H2A1-H905, IR, 905 nm , 70 mW at 350 mA, Uf = 1.3 V, +/-75°		8,79	9,43
H2A1-H920, IR, 920 nm , 80 mW at 350 mA, Uf = 1.3 V, +/-75°		8,79	9,43
H2A1-H940, IR, 940 nm , 50 mW at 350 mA, Uf = 1.3 V, +/-75°		8,79	9,43
H2A1-H970, IR, 970 nm , 40 mW at 350 mA, Uf = 1.4 V, +/-75°		8,79	9,43
H2A1-H1020, IR, 1020 nm , 40 mW at 350 mA, Uf = 1.4 V, +/-75°		28,80	30,89
H2A1-H1030, IR, 1030 nm , 65 mW at 350 mA, Uf = 1.4 V, +/-75°		28,80	30,89
H2A1-H1050, IR, 1050 nm , 50 mW at 350 mA, Uf = 1.4 V, +/-75°		28,80	30,89
HIGH POWER LED LUXEON STAR HEXAGONAL PACKAGE - 1 WATT		EUR	USD
	<p>high power LED, diverse wavelengths, power chip technology, world's brightest LEDs lambertian, high dome diameter: 20 mm</p>	1-9 pcs.	1-9 pcs.
LXHL-MB1D, blue, 470 nm , 10 lm at 350 mA, +/-60°		12,00	12,87
LXHL-ME1D, cyan, 505 nm , 30 lm at 350 mA, +/-60°		12,00	12,87
LXHL-MH1D, orange, 617 nm , 55 lm at 350 mA, +/-60°		12,00	12,87
HIGH POWER LED H-HP803 series HEXAGONAL PACKAGE - 3 WATT		EUR	USD
	<p>high power LED emitter, 3 Watt electrical power, highest flux, very long operating life (>50000 hr) higher energy efficiency than incandescent and most halogen lamps low voltage DC operation instant light on/off (less than 100 ns) ESD protection, size 19.8 mm, height 8.42 mm</p>	1-9 pcs.	1-9 pcs.
H-HP803NW, white, typ. 6000 K, 130-160 lm at 700 mA, Ub 4.0 V, 120°		7,20	7,72

H-HP803NO, amber, 590 nm , 36 lm at 700 mA, Ub 3.0 V, 120°	6,35	6,81
HIGH POWER LED H2A3 series HEXAGONAL PACKAGE - 3 WATT	EUR	USD
 <p>high power LED emitter 3 Watt electrical power</p> <p>base diameter 19.8 mm, height 8.42 mm</p>		
	1-9 pcs.	1-9 pcs.
H2A3-NW, white , typ. 6000 K, 150-170 lm at 700 mA, Ub 4.0 V, 120°	7,20	7,72
H2A3-WW, warm white , typ. 3300 K, 140-160 lm at 700 mA, Ub 4.0 V, 120°	7,20	7,72
H2A3-H460, 460 nm , 20-30 lm at 700 mA, Ub 3.6 V, 120°	7,20	7,72
H2A3-H470, 470 nm , 20-40 lm at 700 mA, Ub 4.0 V, 120° ▶ PHASE OUT	7,20	7,72
H2A3-H530, 530 nm , 90-120 lm at 700 mA, Ub 4.0 V, 120°	6,75	7,24
H2A3-H590, 590 nm , 60-80 lm at 700 mA, Ub 2.8 V, 120°	6,35	6,81
H2A3-H625, 625 nm , 60-80 lm at 700 mA, Ub 2.8 V, 120°	6,35	6,81
HIGH POWER LED LUXEON III STAR HEXAGONAL PACKAGE - 3 WATT	EUR	USD
 <p>high power LED, diverse wavelengths, power chip technology, world's brightest LEDs lambertian, high dome diameter: 20 mm</p> <p>▶ PHASE OUT</p>		
	1-9 pcs.	1-9 pcs.
LXHL-LB3C, blue, 470 nm , 30 lm at 1 A, +/-60°	18,00	19,30
LXHL-LE3C, cyan, 505 nm , 80 lm at 1 A, +/-60° ▶ ATTENTION: typ. 530 nm	18,00	19,30
HIGH POWER LED H2W5 series HEXAGONAL PACKAGE - 5 WATT	EUR	USD
 <p>5 W high power LED series, diverse wavelengths, power chip technology, world's brightest single chip emitter LED, chip size 2 x 2 mm², lambertian high dome lens diameter: 20 mm, mechanical compatible with many collimating lenses</p>		
	1-9 pcs.	1-9 pcs.
H2W5-670, 670 nm , 550 mW at 2 A, Uf = typ. 2.0 V, +/-75°, lambertian high dome lens	26,00	27,88
H2W5-680, 680 nm , 550 mW at 2 A, Uf = typ. 2.0 V, +/-75°, lambertian high dome lens	26,00	27,88
H2W5-850, 850 nm , 550 mW at 2 A, Uf = typ. 2.0 V, +/-75°, lambertian high dome lens	35,00	37,54
H2W5-870, 870 nm , 550 mW at 2 A, Uf = typ. 2.0 V, +/-75°, lambertian high dome lens	30,00	32,17
H2W5-905, 905 nm , 400 mW at 2 A, Uf = typ. 1.9 V, +/-75°, lambertian high dome lens	40,20	43,11
H2W5-950, 950 nm , 330 mW at 2 A, Uf = typ. 1.8 V, +/-75°, lambertian high dome lens	25,00	26,81
HIGH POWER LED LUXEON FLASH SMD PACKAGE - 1 WATT	EUR	USD
LXCL-PWF1, white , typ. 53 lm at 1 A pulse, +/-60° ▶ PHASE OUT	5,96	6,39
HIGH POWER LED H11 series HEXAGONAL PACKAGE - 1 WATT	EUR	USD
 <p>high power LED, 20 mm diameter aluminium disk package, 1x1 mm² LED chip size. 1 Watt electrical power available viewing angles: 30°, 60° or 120°</p> <p>▶ PHASE OUT</p>		
	1-9 pcs.	1-9 pcs.
H11A1-HB-30, blue, 470 nm , 14 cd, 17-20 mW at 350 mA, viewing angle 30°	5,70	6,11
H11A1-HR-30, red, 625 nm , 10 cd, 20-25 mW at 350 mA, viewing angle 30°	3,23	3,46
H11A1-660-30, red, 660 nm , 20-25 mW at 350 mA, viewing angle 30°	5,70	6,11
H11A1-670-30, red, 670 nm , 20-25 mW at 350 mA, viewing angle 30°	5,70	6,11
H11A1-680-30, red, 680 nm , 20-25 mW at 350 mA, viewing angle 30°	5,70	6,11
H11A1-690-30, red, 690 nm , 25-30 mW at 350 mA, viewing angle 30°	5,70	6,11
H11A1-690-60, red, 690 nm , 25-30 mW at 350 mA, viewing angle 60°	5,70	6,11
H11A1-740-30, IR, 740 nm , 28-35 mW at 350 mA, viewing angle 30°	5,70	6,11
H11A1-760-30, IR, 760 nm , 28-35 mW at 350 mA, viewing angle 30°	5,70	6,11
H11A1-770-30, IR, 770 nm , 28-35 mW at 350 mA, viewing angle 30°	5,70	6,11
H11A1-780-30, IR, 780 nm , 110 mW at 500 mA, viewing angle 30°	5,70	6,11
H11A1-850-30, IR, 850 nm , 350 mA, viewing angle 30°	5,70	6,11
H11A1-880-30, IR, 880 nm , 30-40 mW at 350 mA, viewing angle 30°	5,70	6,11


H11A1-905-30, IR, 905 nm , 25-30 mW at 350 mA, viewing angle 30°	5,70	6,11
H11A1-920-30, IR, 920 nm , 350 mA, viewing angle 30°	5,70	6,11
H11A1-940-30, IR, 940 nm , 25-30 mW at 350 mA, viewing angle 30°	5,70	6,11
H11A1-940-120, IR, 940 nm , 25-30 mW at 350 mA, viewing angle 120°	5,70	6,11
H11A1-970-30, IR, 970 nm , 350 mA, viewing angle 30°	5,70	6,11
HIGH POWER LED 11 mm ALUMINIUM DISK PACKAGE - 1 WATT	EUR	USD
 <p>high power LED, 11 mm diameter aluminium disk package, 1x1 mm² LED chip size. 1 Watt electrical power available viewing angles: 30°, 60° or 120°</p> <p>► PHASE OUT</p>	1-9 pcs.	1-9 pcs.
C11A1-HU-30, UV, 395-405 nm , 15-20 mW at 350 mA, viewing angle 30°	5,55	5,95
C11A1-HU-60, UV, 395-405 nm , 15-20 mW at 350 mA, viewing angle 60°	5,55	5,95
C11A1-HU-120, UV, 395-405 nm , 15-20 mW at 350 mA, viewing angle 120°	5,55	5,95
C11A1-HW-30, white , 20 cd, 350 mA, viewing angle 30°	4,98	5,34
C11A1-HW-60, white , 20 cd, 350 mA, viewing angle 60°	4,98	5,34
C11A1-HW-120, white , 20 cd, 350 mA, viewing angle 120°	4,98	5,34
C11A1-HW-120-S, soft white , 20 cd, 350 mA, viewing angle 120°	4,98	5,34
C11A1-HB-30, blue, 470 nm , 14 cd, 17-20 mW at 350 mA, viewing angle 30°	4,79	5,14
C11A1-HB-120, blue, 470 nm , 14 cd, 17-20 mW at 350 mA, viewing angle 120°	4,79	5,14
C11A1-HC-30, cyan, 505 nm , 20 cd, 15-18 mW at 350 mA, viewing angle 30°	5,55	5,95
C11A1-HC-120, cyan, 505 nm , 20 cd, 15-18 mW at 350 mA, viewing angle 120°	5,55	5,95
C11A1-HG-30, green, 525 nm , 25 cd, 13-17 mW at 350 mA, viewing angle 30°	5,26	5,65
C11A1-HG-120, green, 525 nm , 25 cd, 13-17 mW at 350 mA, viewing angle 120°	5,26	5,65
C11A1-HY-30, yellow, 590 nm , 10 cd, 8-10 mW at 350 mA, viewing angle 30°	2,73	2,92
C11A1-HY-120, yellow, 590 nm , 10 cd, 8-10 mW at 350 mA, viewing angle 120°	2,73	2,92
C11A1-HR-120, red, 625 nm , 10 cd, 20-25 mW at 350 mA, viewing angle 120°	2,73	2,92
C11A1-660-30, red, 660 nm , 20-25 mW at 350 mA, viewing angle 30°	5,17	5,54
C11A1-660-120, red, 660 nm , 20-25 mW at 350 mA, viewing angle 120°	5,17	5,54
C11A1-670-30, red, 670 nm , 20-25 mW at 350 mA, viewing angle 30°	5,17	5,54
C11A1-670-120, red, 670 nm , 20-25 mW at 350 mA, viewing angle 120°	5,17	5,54
C11A1-680-30, red, 680 nm , 20-25 mW at 350 mA, viewing angle 30°	5,17	5,54
C11A1-680-120, red, 680 nm , 20-25 mW at 350 mA, viewing angle 120°	5,17	5,54
C11A1-690-30, red, 690 nm , 25-30 mW at 350 mA, viewing angle 30°	5,17	5,54
C11A1-690-120, red, 690 nm , 25-30 mW at 350 mA, viewing angle 120°	5,17	5,54
C11A1-720-60, IR, 720 nm , 28-35 mW at 350 mA, viewing angle 60°	5,17	5,54
C11A1-720-120, IR, 720 nm , 28-35 mW at 350 mA, viewing angle 120°	5,17	5,54
C11A1-760-30, IR, 760 nm , 28-35 mW at 350 mA, viewing angle 30°	5,17	5,54
C11A1-770-30, IR, 770 nm , 28-35 mW at 350 mA, viewing angle 30°	5,17	5,54
C11A1-780-30, IR, 780 nm , 110 mW at 500 mA, viewing angle 30°	5,17	5,54
C11A1-820-30, IR, 820 nm , 38-46 mW at 350 mA, viewing angle 30°	5,17	5,54
C11A1-850-30, IR, 850 nm , 350 mA, viewing angle 30°	5,17	5,54
C11A1-880-30, IR, 880 nm , 30-40 mW at 350 mA, viewing angle 30°	5,17	5,54
C11A1-905-30, IR, 905 nm , 25-30 mW at 350 mA, viewing angle 30°	5,17	5,54
C11A1-920-30, IR, 920 nm , 25-30 mW at 350 mA, viewing angle 30°	5,17	5,54
C11A1-940-30, IR, 940 nm , 25-30 mW at 350 mA, viewing angle 30°	5,17	5,54
HIGH POWER LED M3 THREAD ALUMINIUM DISK PACKAGE - 1 WATT	EUR	USD
 <p>high power LED with M3 thread aluminium disk package, diameter 11 mm, thread length 6 mm 1x1 mm² chip 1 Watt electrical power</p> <p>► PHASE OUT</p>	1-9 pcs.	1-9 pcs.
M3L1-HW-60, white , 16 cd, 350 mA, viewing angle 60°	6,20	6,65
M3L1-HW-120, white , 15 cd, 350 mA, viewing angle 120°	6,20	6,65
M3L1-HU-30, UV, 395-405 nm , 15-20 mW at 350 mA, viewing angle 30°	6,73	7,22
M3L1-HU-60, UV, 395-405 nm , 15-20 mW at 350 mA, viewing angle 60°	6,73	7,22
M3L1-HU-120, UV, 395-405 nm , 15-20 mW at 350 mA, viewing angle 120°	6,73	7,22
M3L1-HB-30, blue, 470 nm , 14 cd, 17-20 mW at 350 mA, viewing angle 30°	6,02	6,46


M3L1-HB-60, blue, 470 nm , 12 cd, 17-20 mW at 350 mA, viewing angle 60°	6,02	6,46
M3L1-HB-120, blue, 470 nm , 10 cd, 17-20 mW at 350 mA, viewing angle 120°	6,02	6,46
M3L1-HC-120, cyan, 505 nm , 17 cd, 15-18 mW at 350 mA, viewing angle 120°	6,73	7,22
M3L1-HG-30, green, 525 nm , 25 cd, 13-17 mW at 350 mA, viewing angle 30°	6,46	6,93
M3L1-HG-60, green, 525 nm , 22 cd, 13-17 mW at 350 mA, viewing angle 60°	6,46	6,93
M3L1-HG-120, green, 525 nm , 20 cd, 13-17 mW at 350 mA, viewing angle 120°	6,46	6,93
M3L1-HY-30, yellow, 590 nm , 10 cd, 8-10 mW at 350 mA, viewing angle 30°	3,90	4,18
M3L1-HY-60, yellow, 590 nm , 8 cd, 8-10 mW at 350 mA, viewing angle 60°	3,90	4,18
M3L1-HY-120, yellow, 590 nm , 7 cd, 8-10 mW at 350 mA, viewing angle 120°	3,90	4,18
M3L1-HR-30, red, 625 nm , 10 cd, 20-25 mW at 350 mA, viewing angle 30°	3,90	4,18
M3L1-HR-120, red, 625 nm , 7 cd, 20-25 mW at 350 mA, viewing angle 120°	3,90	4,18
M3L1-660-30, red, 660 nm , 20-25 mW at 350 mA, viewing angle 30°	6,37	6,84
M3L1-670-30, red, 670 nm , 20-25 mW at 350 mA, viewing angle 30°	6,37	6,84
M3L1-680-30, red, 680 nm , 20-25 mW at 350 mA, viewing angle 30°	6,37	6,84
M3L1-740-60, IR, 740 nm , 28-35 mW at 350 mA, viewing angle 60°	6,37	6,84
M3L1-740-120, IR, 740 nm , 28-35 mW at 350 mA, viewing angle 120°	6,37	6,84
M3L1-760-30, IR, 760 nm , 28-35 mW at 350 mA, viewing angle 30°	6,37	6,84
M3L1-770-30, IR, 770 nm , 28-35 mW at 350 mA, viewing angle 30°	6,37	6,84
M3L1-830-30, IR, 830 nm , 110 mW at 500 mA, viewing angle 30°	6,37	6,84
M3L1-880-30, IR, 880 nm , 30-40 mW at 350 mA, viewing angle 30°	6,37	6,84
M3L1-905-30, IR, 905 nm , 25-30 mW at 350 mA, viewing angle 30°	6,37	6,84
M3L1-920-30, IR, 920 nm , 25-30 mW at 350 mA, viewing angle 30°	6,37	6,84
M3L1-940-30, IR, 940 nm , 25-30 mW at 350 mA, viewing angle 30°	6,37	6,84
M3L1-940-120, IR, 940 nm , 25-30 mW at 350 mA, viewing angle 120°	6,37	6,84
M3L1-970-30, IR, 970 nm , 350 mA, viewing angle 30°	6,37	6,84
HIGH POWER LED 20 mm ALUMINIUM DISK PACKAGE - 1 WATT	EUR	USD
 high power LED aluminium disk package, diameter 20 mm, diverse wavelengths, power chip technology ► PHASE OUT	1-9 pcs.	1-9 pcs.
RLT-WNP1000-02, white, x=.28,y=.28, 20 lm, 350 mA, 60° full angle	6,62	7,09
RLT-BNP1000-02, blue, 470 nm , 11 lm, 350 mA, 60° full angle	5,67	6,08
RLT-GNP1000-02, green, 525 nm , 20 lm, 350 mA, 60° full angle	6,14	6,59
HIGH POWER LED 20 mm ALUMINIUM DISK PACKAGE - 350 mW	EUR	USD
RLT-WNP600-02, white, x=.28,y=.28, 5 lm, 100 mA, 60° full angle	2,84	3,04
RLT-BNP600-02, blue, 470 nm , 3 lm, 100 mA, 60° full angle	2,27	2,43
RLT-YUP600-02, yellow, 587 nm , 4 lm, 100 mA, 60° full angle	1,51	1,62
HIGH POWER LED 20 mm ALUMINIUM DISK PACKAGE - 1 WATT	EUR	USD
 high power LED, aluminium disk package, diameter 20 mm, 1x1 mm ² chip size. 1 Watt electrical power ► PHASE OUT	1-9 pcs.	1-9 pcs.
C20A1-HU-30, UV, 395-405 nm , 15-20 mW at 350 mA, Vf <4.0 V, 30°	5,86	6,28
C20A1-HB-30, blue, 470 nm , 12-14 cd, 17-20 mW at 350 mA, Vf <4.0 V, 30°	5,67	6,08
C20A1-HC-30, cyan, 505 nm , 20 cd, 15-18 mW at 350 mA, Vf <4.0 V, 30°	5,86	6,28
C20A1-HR-30, red, 625 nm , 10 cd, 20-25 mW at 350 mA, Vf <2.8 V, 30°	3,12	3,34
C20A1-HR-60, red, 625 nm , 7.0-8.5 cd, 20-25 mW at 350 mA, Vf <2.8 V, 60°	3,12	3,34
C20A1-HR-120, red, 625 nm , 7.0-8.5 cd, 20-25 mW at 350 mA, Vf <2.8 V, 120°	3,12	3,34
C20A1-H650-30, red, 650 nm , 70 mW at 350 mA, Vf <2.2 V, 30°	5,48	5,88
C20A1-H660-30, red, 660 nm , 20-25 mW at 350 mA, Vf <2.5 V, 30°	5,48	5,88
C20A1-H670-30, red, 670 nm , 90 mW at 350 mA, Vf <2.0 V, 30°	5,48	5,88
C20A1-H680-30, red, 680 nm , 25-30 mW at 350 mA, Vf <2.5 V, 30°	5,48	5,88
C20A1-H690-30, red, 690 nm , 25-30 mW at 350 mA, Vf <2.5 V, 30°	5,48	5,88
C20A1-H720-30, IR, 720 nm , 28-35 mW at 350 mA, Vf <2.5 V, 30°	5,48	5,88
C20A1-H740-30, IR, 740 nm , 28-35 mW at 350 mA, Vf <2.5 V, 30°	5,48	5,88
C20A1-H740-60, IR, 740 nm , 28-35 mW at 350 mA, Vf <2.5 V, 60°	5,48	5,88

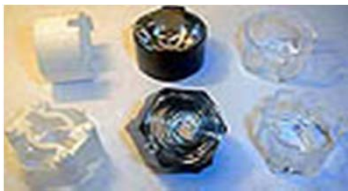
C20A1-H760-30, IR, 760 nm , 110 mW at 350 mA, Vf <2.5 V, 30°	5,48	5,88
C20A1-H770-30, IR, 770 nm , 28-35 mW at 350 mA, Vf <2.5 V, 30°	5,48	5,88
C20A1-H810-30, IR, 810 nm , 38-46 mW at 350 mA, Vf <2.5 V, 30°	5,48	5,88
C20A1-H820-30, IR, 820 nm , 38-46 mW at 350 mA, Vf <2.5 V, 30°	5,48	5,88
C20A1-H850-30, IR, 850 nm , 350 mA, Vf <3.0 V, 30°	5,48	5,88
C20A1-H870-30, IR, 870 nm , 350 mA, Vf <3.0 V, 30°	11,15	11,96
C20A1-H880-30, IR, 880 nm , 30-40 mW at 350 mA, Vf <2.5 V, 30°	5,48	5,88
C20A1-H890-30, IR, 890 nm , 90 mW at 350 mA, Vf <1.5 V, 30°	5,48	5,88
C20A1-H905-30, IR, 905 nm , 25-30 mW at 350 mA, Vf <2.5 V, 30°	5,48	5,88
C20A1-H940-30, IR, 940 nm , 25-30 mW at 350 mA, Vf <2.5 V, 30°	5,48	5,88
HIGH POWER RECTANGULAR LED 3 WATT	EUR	USD
 <p>high power LED emitter, 3 Watt electrical power, highest flux, very long operating life (>>50000 hr) higher energy efficiency than incandescent and most halogen lamps low voltage DC operation instant light on/off (less than 100 ns) superior ESD protection, size: 25 x 25 mm², height 8.32 mm, optional with 15 degree collimator lens</p>	1-9 pcs.	1-9 pcs.
R-HP803NW, white , typ. 6000 K, 55 lm at 700 mA, Ub 4.0 V, 120°	7,20	7,72
R-HP803WW, warm white , typ. 3300 K, 45 lm at 700 mA, Ub 4.0 V, 120°	7,20	7,72
R-HP803NO, amber , 590 nm , 36 lm at 700 mA, Ub 3.0 V, 120°	6,35	6,81
HIGH POWER RGB LED 20 mm ALUMINIUM DISK PACKAGE - 3 x 1 WATT	EUR	USD
 <p>high power RGB LED, aluminium disk package, diameter 20 mm, diverse wavelengths, power chip technology 1x1 mm² chip size. 3 x 1 Watt electrical power, other wavelengths on request</p>	1-9 pcs.	1-9 pcs.
C20C3-HYGB-60, 585 / 515 / 460 nm , 8 / 9 / 3 lm, 3 x 350 mA, viewing angle 60°	5,64	6,05
C20C3-HYRB-60, 585 / 620 / 460 nm , 8 / 6 / 3 lm, 3 x 350 mA, viewing angle 60°	5,08	5,44
HIGH POWER RGB LED EMITTER PACKAGE - 3 POWER LED CHIPS	EUR	USD
 <p>high power RGB LED series, emitter type package 6 pins, 3 x anode, 3 x cathode viewing angle typ. 80°, 3 power ranks: 1.5 W -> 3 LED chips each 500 mW 3.0 W -> 3 LED chips each 1 W 9.0 W -> 3 LED chips each 3 W</p>	1-9 pcs.	1-9 pcs.
A6-RGB-1.5, 620/515/460nm , 5/12/4lm, 3x150mA, 1.5 W, +/- 40° 3x anode 3x cathode	4,20	4,50
A6-RGB-3, 620/515/460nm , 23/45/12lm, 3x350mA, 3.0 W, +/- 40° 3x anode 3x cathode	6,50	6,97
A6-RGB-9, 620/515/460nm , 50/60/22lm, 3x700mA, 9.0 W, +/- 40° 3x anode 3x cathode	10,50	11,26
HIGH POWER RGB LED HEXAGONAL PACKAGE - 3 POWER LED CHIPS	EUR	USD
 <p>high power RGB LED series, hex type package 6 pins, 3 x anode, 3 x cathode viewing angle typ. 80°, 3 power ranks: 1.5 W -> 3 LED chips each 500 mW 3.0 W -> 3 LED chips each 1 W 9.0 W -> 3 LED chips each 3 W</p>	1-9 pcs.	1-9 pcs.
H6-RGB-1.5, 620/515/460nm , 5/12/4lm, 3x150mA, 1.5 W, +/- 40° 3x anode 3x cathode	4,70	5,04
H6-RGB-3, 620/515/460nm , 23/45/12lm, 3x350mA, 3.0 W, +/- 40° 3x anode 3x cathode	7,00	7,51
H6-RGB-9, 620/515/460nm , 50/60/22lm, 3x700mA, 9.0 W, +/- 40° 3x anode 3x cathode	11,10	11,90
HIGH POWER RGB LED EMITTER PACKAGE - 3 POWER LED CHIPS	EUR	USD
 <p>high power RGB LED, emitter package</p>	1-9 pcs.	1-9 pcs.
AR58G05B24BC-A, 620/515/460 nm , 15/15.4/6lm, 3x350mA, 3 W, +/-40° common anode	11,70	12,55
AR58G05B24BC-C, 620/515/460nm , 15/15.4/6lm, 3x350mA, 3W, +/- 40° common cath.	11,70	12,55


AR57G62B66BC-C, 620/515/460 nm , 4.5/10/3 lm, 3 x 150 mA, 1.5 W, +/- 40°	7,18	7,70
HIGH POWER RGB LED HEXAGONAL PACKAGE - 3 POWER LED CHIPS	EUR	USD
 <p>high power RGB LED, hexagonal aluminium PCB package</p>	1-9 pcs.	1-9 pcs.
H4-AR58G05B24BC-C, 620/515/460nm , 15/15.4/6 lm, 3x350mA, 3 W, +/- 40°, common -	12,20	13,08
H4-AR58G05B24BC-A, 620/515/460nm , 15/15.4/6 lm, 3x350mA, 3 W, +/- 40°, common +	12,20	13,08
H4-AR57G62B66BC-C, 620/515/460nm , 4.5/10/3 lm, 3x150mA, 1.5 W, +/- 40°, common -	7,72	8,28





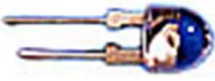
HIGH POWER LEDES - OPTICS



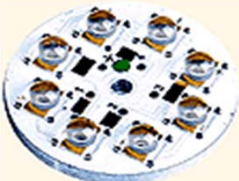

 <p>diverse optics for high power LEDs material: polycarbonate designed for Luxeon</p>	1-49 pcs.	1-49 pcs.
10048 , 4 degree half angle optic	4,12	4,41
10049 , 4 x 25 degree half angles optic	4,12	4,41
10003 , 6 degree half angle optic	3,14	3,37
10003/15 , 15 degree half angle optic	3,14	3,37
10003/25 , 25 degree half angle optic	3,14	3,37
10003/L25 , 6 x 25 degree half angles line optic	3,14	3,37

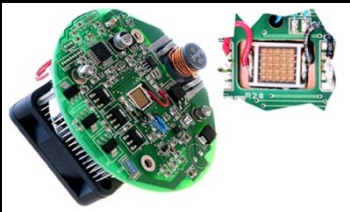

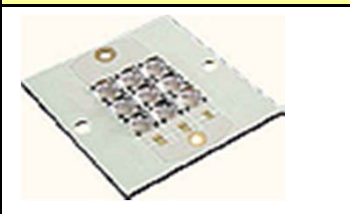
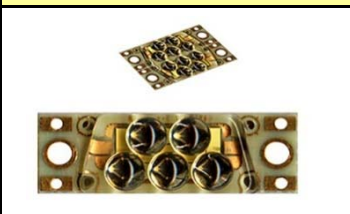


NARROW BEAM OPTIC FOR HIGH POWER LEDES (SINGLE EMITTER)	EUR	USD
 <p>CATADIOPTIC collimating lens for LEDs - +/- 2° ultra narrow beam - ideal for far distance and spot illumination. - suitable for: Cree, Seoul, Avago, Luxeon - material: polycarbonate - efficiency ~70%</p>	1-9 pcs.	1-9 pcs.
10158 , 2 degree half angle spot optic, diameter 60 mm, height 11mm, polycarbonate	17,93	19,23
10145 , spreader lens for 10158 optic	1,22	1,31
10146 , holder for 10158 optic	0,32	0,34




LENS HOLDERS SERIES 100xx FOR HIGH POWER LEDES	EUR	USD
 <p>diverse lens holders for 1, 3 and 5 watt power LEDs</p>	1-49 pcs.	1-49 pcs.
10012 , LED optic holder, round, black, for 1 watt LED	0,68	0,73
10026 , LED optic holder, hexagonal, black, for 1 watt LED	0,68	0,73
10043 , LED optic holder, hexagonal, black, for 3/5 watt LED	0,68	0,73
10045 , LED optic holder, hexagonal, clear, for 3/5 watt LED	0,68	0,73
10065 , 4° optic holder for 1W Luxeon, white, 17.15 x 22.7 mm	0,87	0,94
10076 , 4° optic holder for 3W / 5W Luxeon, black, 16.15 x 21.7 mm	0,87	0,94
10077 , 4° optic holder for 3W / 5W Luxeon, white, 16.15 x 21.7 mm	0,87	0,94

SPECIAL OPTIC FOR HIGH POWER LED FIBERCOUPLING	EUR	USD
 <p>special focusing optic designed for coupling light of power LEDs into a 6 mm NA 0.48 fiber bundle material: polycarbonate</p>	1-49 pcs.	1-49 pcs.
10034 , fiber coupling optic, designed for 8-12 mm, NA 0.50 fiber bundles	3,86	4,14
REFLECTORS FOR HIGH POWER LEDES	EUR	USD

 <p>metalized reflectors, material polycarbonate available for power LEDs with lambertian lens design and for Acriche LEDs</p> <p>recommended optic for narrow beam generation</p>		
	1-49 pcs.	1-49 pcs.
CLP17CR, 6° reflector for lambertian LED, metalized polycarbonate 17.5 x 10.7mm [DxH]	2,33	2,50
CLP20CR, 6° reflector for lambertian LED, metalized polycarbonate 20.5 x 15.7mm [DxH]	2,33	2,50
CLP23CR, 20° reflector for Acriche LED, metalized polycarbonate 23.0 x 13.3mm [DxH]	3,54	3,80
CLP28ACR, 12° reflector for Acriche LED, metalized polycarbonate 27.5 x 18.3mm [DxH]	3,54	3,80
HIGH POWER LED ARRAYS		
 <p>high power LED array 6 power chips inside, jumbo package, wavelength 655 nm, 685 nm, 800 nm or 870 nm,</p> <p>M18 x 1mm thread mounting</p>		
	1-9 pcs.	1-9 pcs.
FAT-655-40, 655 nm , 150 mW at 250 mA, 12.9 V, tr/ff 80/100 ns, 40°	63,00	67,57
FAT-685-40, 685 nm , 250 mW at 250 mA, 12.4 V, tr/ff 80/100 ns, 40°	63,00	67,57
FAT-800-40, 800 nm , 350 mW at 350 mA, 10 V, tr/ff 80/100 ns, 40°	46,20	49,55
FAT-870-40, 870 nm , 350 mW at 350 mA, 10 V, tr/ff 80/100 ns, 40°	46,20	49,55
HIGH POWER LED ARRAY 6 CHIPS JUMBO PACKAGE	EUR	USD
 <p>high power LED array, 6 chips, Jumbo package, wavelengths at 590 nm, 640 nm, 660 nm, 810 nm, 880 nm, 920 nm, 950 nm</p> <p>M10 x 1.5 mm thread package</p>		
	1-9 pcs.	1-9 pcs.
ELJ-595-225B, 590 nm , 12 mW at 100 mA, 15°, M10x1.5	26,50	28,42
ELJ-630-215, 630 nm , 58 mW at 100 mA, 12°, M10x1.5	26,50	28,42
ELJ-810-228B, 810 nm , 225 mW at 250 mA, 20°, M10x1.5	26,50	28,42
HIGH POWER LED ARRAY 4 PARALLEL CHIPS 10 mm EPOXY	EUR	USD
 <p>high power LED series, 4 parallel chips inside, If: 80 mA, 10 mm clear epoxy</p>		
	1-99 pcs.	1-99 pcs.
10W43-HCA-H, white , 13-15 cd at 80 mA, Vf <4.0 V, 60°	2,80	3,00
10W43-HCA-4P, white , 20-25 lm at 80 mA, Vf <3.6 V, 50°	2,80	3,00
10B43-HCA-H, blue, 470 nm , 8-10 cd at 80 mA, Vf <4.0 V, 60°	2,68	2,87
10C43-HCA-H, cyan, 505 nm , 9-12 cd at 80 mA, Vf <4.0 V, 60°	2,88	3,09
10G43-HCA-H, green, 525 nm , 15-18 cd at 80 mA, Vf <3.8 V, 60°	2,88	3,09
10Y43-HCA-H, yellow, 590 nm , 7-8 cd at 80 mA, Vf <2.2 V, 60°	1,48	1,59
HIGH POWER LED ARRAY 4 PARALLEL CHIPS 10 mm EPOXY	EUR	USD
 <p>high power LED series 4 parallel chips inside, If: 80 mA, 10 mm clear epoxy copper lead frame</p>		
	1-99 pcs.	1-99 pcs.
RLS-10W2P4D, white , 22 cd at 80 mA, Vf <3.4 V, 8-10°, 10 mm epoxy	3,64	3,90
10W4DHCB-H, white , 13-15 cd at 80 mA, Vf <4.0 V, 180°	2,92	3,13
10B4DHCB-H, blue, 470 nm , 8-10 cd at 80 mA, Vf <4.0 V, 180°	2,80	3,00
10C4DHCB-H, cyan, 505 nm , 9-11 cd at 80 mA, Vf <4.0 V, 180°	3,00	3,22
10G4DHCB-H, green, 525 nm , 15-18 cd at 80 mA, Vf <3.8 V, 180°	3,00	3,22
10Y4DHCB-H, yellow, 590 nm , 8-9 cd at 80 mA, Vf <2.2 V, 180°	1,60	1,72



10R4DHCB-H, red, 625 nm , 7-8 cd at 80 mA, Vf <2.2 V, 180°	1,60	1,72
HIGH POWER LED ARRAY 4 PARALLEL CHIPS square EPOXY	EUR	USD
 <p>high power LED series 4 parallel chips inside, If: 80 mA, clear epoxy package base size: 7.6 x 7.6 mm²</p>	1-99 pcs.	1-99 pcs.
5W4S2HCA, white, 5-8 cd at 80 mA, Vf <4.0 V, +/-90°	1,68	1,80
5B4S2HCA, blue, 470 nm , 3-6 cd at 80 mA, Vf <4.0 V, +/-90°	1,39	1,49
5G4S2HCA, green, 528 nm , 7-10 cd at 80 mA, Vf <4.0 V, +/-90°	1,81	1,94
5Y4S2HCA, yellow, 590 nm , 3-6 cd at 80 mA, Vf <2.2 V, +/-90°	0,86	0,93
5R4S2HCA, red, 622 nm , 3-6 cd at 80 mA, Vf <2.2 V, +/-90°	0,83	0,89
HIGH POWER LED ARRAY ALUMINIUM PLATE PACKAGE	EUR	USD
 <p>high power LED array aluminium plate package with 3 x 1 mm² power chips onboard. LED chips connected in parallel. Size: 35 mm diameter</p>	1-9 pcs.	1-9 pcs.
35L3-HW-60, white, 20 cd at 1050 mA, Vf<4.0 V, 60°	17,50	18,77
35L3-HU-60, UV, 395-405 nm , 3 x 16 mW at 1050 mA, Vf <4.0 V, 60°	19,50	20,91
35L3-HB-60, blue, 470 nm , 28 cd, 3 x 18 mW at 1050 mA, Vf <4.0 V, 60°	16,90	18,12
35L3-HC-60, cyan, 505 nm , 36 cd, 3 x 17 mW at 1050 mA, Vf <4.0 V, 60°	19,50	20,91
35L3-HG-60, green, 525 nm , 28 cd, 3 x 15 mW at 1050 mA, Vf <3.8 V, 60°	18,50	19,84
35L3-HY-60, amber, 590 nm , 24 cd, 3 x 10 mW at 1050 mA, Vf <2.8 V, 60°	9,50	10,19
35L3-HR-60, red, 625 nm , 20 cd, 3 x 22 mW at 1050 mA, Vf <2.8 V, 60°	9,50	10,19
35L3-H850-60, IR, 850 nm , xxx mW at 1500 mA, Vf <2.5 V, 60°	18,50	19,84
35L3-H880-60, IR, 880 nm , 3 x 45 mW at 1500 mA, Vf <2.4 V, 60°	18,50	19,84
35L3-H940-60, IR, 940 nm , 3 x 40 mW at 1500 mA, Vf <2.2 V, 60°	18,50	19,84
HIGH POWER LED ARRAY ALUMINIUM PLATE PACKAGE	EUR	USD
 <p>high power LED array aluminium plate package 8 x 1 mm² power chips onboard. total 8 W electrical power size: 38 mm diameter</p>	1-9 pcs.	1-9 pcs.
C38A8-HU-30, UV, 395-405 nm , 8 x 16 mW, 4 x 350 mA, Vf: 4 x typ. 7.6 V, 30°	38,00	40,75
C38A8-HB-30, blue, 470 nm , 8 x 4.5 lm, 4 x 350 mA, Vf: 4 x typ. 7.0 V, 30°	32,50	34,86
C38A8-HC-30, cyan, 505 nm , 8 x 10 lm, 4 x 350 mA, Vf: 4 x typ. 7.2 V, 30°	35,50	38,07
C38A8-HY-30, amber, 590 nm , 8 x 10 lm, 4 x 350 mA, Vf: 4 x typ. 4.1 V, 30°	23,00	24,67
C38A8-H850-30, IR, 850 nm , 8 x 40 mW, 4 x 300 mA, Vf: 4 x typ. 2.9 V, 30°	40,50	43,44
C38A8-H880-30, IR, 880 nm , 8 x 40 mW, 4 x 300 mA, Vf: 4 x typ. 2.8 V, 30°	40,50	43,44
HIGH POWER LED ARRAY ALUMINIUM PLATE PACKAGE	EUR	USD
 <p>high power LED array aluminium plate package 24 x 3528 SMD LEDs onboard. size: 42.1 mm diameter</p>		
L2X2-V4YL, 395 nm , 24 x 5 mW, 160 mA, Vf: 12 VDC, 120°	11,10	11,90
L2X2-V6YL, 415 nm , 24 x 5 mW, 160 mA, Vf: 12 VDC, 120°	9,65	10,35
L2X2-I3CA, 850 nm , 24 x 20 mW/sr, 400 mA, Vf: 6 VDC, 120°	7,25	7,78
L2X3-I3CA, 850 nm , 24 x 20 mW/sr, 130 mA, Vf: 12 VDC, 120°	7,25	7,78
L2X2-I5LA, 940 nm , 24 x 20 mW/sr, 400 mA, Vf: 6 VDC, 120°	6,20	6,65
L2X3-I5LA, 940 nm , 24 x 20 mW/sr, 130 mA, Vf: 12 VDC, 120°	6,20	6,65
MULTI WATT LED ENGINES	EUR	USD


	<p>ULTRA high power LED light engines</p> <ul style="list-style-type: none"> • USB/serial PC Interface for monitoring • software included • ready to operate • up to 1000lm • thermal protection system 		
UNO18 AIR LE WHITE, white , 18W, air cooled light engine, white		169,60	181,89
UNO18 AIR LE NIR, 870 nm , 18W, air cooled light engine, near infrared		169,60	181,89
SUPER HIGH POWER LED ARRAY ALUMINIUM-PCB PACKAGE		EUR	USD
	<p>high power LED array, metal PCB package with 12 parallel 1 mm² power chips, 30°.</p> <p>Size: 72 x 32 mm²</p>		
RLT-MIL470-12W-30, white , 12 power chips, 4.2A, 4.7V, 30°		76,27	81,80
RLT-MIL505-12C-30, cyan , 505 nm , 12 power chips, 12 x 18 mW at 4.2A, 4.5V, 30°		80,08	85,89
RLT-MIL590-12A-30, amber , 590 nm , 12 power chips, 12 x 10 mW at 4.2A, 3.3V, 30°		50,72	54,40
RLT-MIL630-12R-30, red , 630 nm , 12 power chips, 12 x 24 mW at 4.2A, 3.3V, 30°		50,72	54,40
RLT-MIL780-12I-30, IR , 780 nm , 12 power chips, 12 x 100 mW at 4.2A, 2.5V, 30°		91,53	98,16
RLT-MIL810-12I-30, IR , 810 nm , 12 power chips, 12 x 150 mW at 4.2A, 2.5V, 30°		91,53	98,16
RLT-MIL850-12I-30, IR , 850 nm , 12 power chips, 12 x 160 mW at 4.2A, 2.5V, 30°		91,53	98,16
RLT-MIL880-12I-30, IR , 880 nm , 12 power chips, 12 x 120 mW at 4.2A, 2.5V, 30°		91,53	98,16
RLT-MIL940-12I-30, IR , 940 nm , 12 power chips, 12 x 120 mW at 4.2A, 2.3V, 30°		91,53	98,16
HIGH POWER LED ARRAY ALUMINIUM PLATE PACKAGE		EUR	USD
	<p>high power LED array</p> <p>3 x 3 power LED chips on aluminium plate, size 38.3 x 39.7 mm², drive current typ. 1050 mA, electrical power typ. 10 W</p>		
RLT-BA1000-02, 3x3 array, 470 nm , 100 lm, 1.05 A at 10.2 V, 60°		64,00	68,64
RLT-GA1000-02, 3x3 array, 525 nm , 140 lm, 1.05 A at 10.5 V, 60°		62,00	66,49
HIGH POWER LED ARRAY METAL PLATE PACKAGE		EUR	USD
			
ELM-875-8x24-2, IR , 870 nm , 720 mW at 500 mA, Uf: 7.0 V, 25°, size: 24 x 8 x 5.5 mm ³		72,00	77,22
ELM-910-927, IR , 910 nm +/-10 nm , 390 mW at 500 mA, 20°, size: 24 x 8 x 5.5 mm ³		72,00	77,22
HIGH POWER LED ARRAY METAL PLATE PACKAGE		EUR	USD
	<p>high power LED arrays for illumination purposes</p>		
ELA-920-22x60, IR , 920 nm , 2 x 10 emitters, 22 x 60 mm ² , 1 W		92,22	98,90
HIGH POWER LED ARRAY 4 POWER CHIPS TO-3 PACKAGE		EUR	USD
	<p>high power LED array</p> <p>TO-3 package with 4 power LED chips inside, 2 x 2 matrix</p> <p>diverse wavelengths available on request</p>		
TO3A4-H390-180, UV , 382-390 nm , 200 mW at 1.4 A, Uf: 4.1 V, +/-90°, TO-3		63,00	67,57

TO3A4-HU-180, UV, 395-405 nm , 65 mW at 1.4 A, Uf: 4.5 V, +/-90°, TO-3	23,80	25,53
TO3A4-HB-180, blue, 470 nm , 90 mW at 1.4 A, Uf: 4.4 V, +/-90°, TO-3	19,40	20,81
TO3A4-HW-180, white , 70 cd at 1.4 A, Uf: 4.1 V, +/-90°, TO-3	21,20	22,74
TO3A4-HY-180, amber, 590 nm , 160 mW at 1.4 A, Uf: 2.6 V, +/-90°, TO-3	14,40	15,44
TO3A4-HR-180, red, 630 nm , 110 mW at 1.4 A, Uf: 2.5 V, +/-90°, TO-3	14,40	15,44
TO3A4-H650-180, red, 650 nm , 130 mW at 1.4 A, Uf: 2.5 V, +/-90°, TO-3	25,40	27,24
TO3A4-H660-180, red, 660 nm , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	27,24
TO3A4-H670-180, red, 670 nm , 200 mW at 1.4 A, Uf: 2.5 V, +/-90°, TO-3	25,40	27,24
TO3A4-H680-180, red, 680 nm , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	27,24
TO3A4-H690-180, red, 690 nm , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	27,24
TO3A4-H720-180, IR, 720 nm , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	27,24
TO3A4-H740-180, IR, 740 nm , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	27,24
TO3A4-H760-180, IR, 760 nm , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	27,24
TO3A4-H770-180, IR, 770 nm , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	27,24
TO3A4-H780-180, IR, 780 nm , 270 mW at 1.4 A, Uf: 2.2 V, +/-90°, TO-3	25,40	27,24
TO3A4-H810-180, IR, 810 nm , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	27,24
TO3A4-H820-180, IR, 820 nm , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	27,24
TO3A4-H880-180, IR, 880 nm , 200 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	27,24
TO3A4-H890-180, IR, 890 nm , 200 mW at 1.4 A, Uf: 1.9 V, +/-90°, TO-3	25,40	27,24
TO3A4-H905-180, IR, 905 nm , 150 mW at 1.2 A, Uf: 1.7 V, +/-90°, TO-3	25,40	27,24
TO3A4-H940-180, IR, 940 nm , 150 mW at 1.2 A, Uf: 1.7 V, +/-90°, TO-3	25,40	27,24
HIGH POWER LED ARRAY 12 POWER CHIPS TO-66 PACKAGE	EUR	USD
 <p>high power LED array TO-66 package with 12 power LED chips inside, 4 x 3 matrix, white</p>	1-9 pcs.	1-9 pcs.
LED47W-66-12100, +/-60°, white , +/-60°, TO-66	151,97	162,98
HIGH POWER LED ARRAY 16 POWER CHIPS TO-66 PACKAGE	EUR	USD
 <p>high power LED array TO-66 package with 16 power LED chips inside, 4 x 4 matrix, white</p>	1-9 pcs.	1-9 pcs.
LED47W-66-16100, white , 80 lm at 1.2 A, Uf: 13 V, +/-60°, TO-66	185,54	198,99
HIGH POWER LED ARRAY 16 POWER CHIPS TO-66 PACKAGE	EUR	USD
 <p>high power LED array TO-66 package with 16 power LED chips inside, 4 x 4 matrix, flat glass window, hermetic sealed</p>	1-9 pcs.	1-9 pcs.
LED365V-66-16100-110, 365 nm , 4 W at 2 A, Uf: 14 V, +/-52°, TO-66	445,00	477,25
LED385V-66-16100-110, 385 nm , 8.5 W at 2 A, Uf: 14 V, +/-52°, TO-66	288,00	308,87
LED395V-66-16100-110, 395 nm , 8 W at 2 A, Uf: 15.5 V, +/-55°, TO-66	252,00	270,26
LED405V-66-16100-110, 405 nm , +/-60°, TO-66	252,00	270,26
 <p>high power LED array TO-66 package with 16 power LED chips inside, 4 x 4 matrix, silicone + epoxy lens</p>	1-9 pcs.	1-9 pcs.
LED385-66-16100, UV, 385 nm , +/-60°, TO-66	312,40	335,04
LED415-66-16100, UV, 415 nm , +/-60°, TO-66	o.r.	o.r.
LED470-66-16100, blue, 470 nm , 420 mW at 1.2 A, Uf: 14 V, +/-60°, TO-66	180,24	193,30
LED660N-66-16100, red, 660 nm , 2.8 W at 1.4A, Uf: 9.2 V, +/-60°, TO-66	113,22	121,43
LED680-66-16100, red, 680 nm , 450 mW at 1.4 A, Uf: 7.7 V, +/-60°, TO-66	189,08	202,78
LED720-66-16100, IR, 720 nm , 550 mW at 1.4 A, Uf: 7.4 V, +/-60°, TO-66	189,08	202,78




LED565-66-60, 565 nm , 1.25 cd 8 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	58,31	62,54
LED570-66-60, 570 nm , 7 cd 36 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	109,91	117,88
LED590-66-60, 590 nm , 60 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	102,84	110,29
LED620-66-60, 620 nm , 7 cd 120 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	102,84	110,29
LED630-66-60, 630 nm , 7 cd 140 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	102,84	110,29
LED645-66-60, 645 nm , 7 cd 120 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	102,84	110,29
LED660-66-60, 660 nm , 3.5 cd 180 mW at 240 mA, TO-66, 60 chips ▶ PHASE OUT	38,10	40,86
LED660N-66-60, 660 nm , 62.8 cd 2.4 W at 1.2 A, TO-66, 60 chips, silicone / epoxy resin	93,30	100,06
LED670-66-60, 670 nm , 450 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	190,84	204,67
LED680-66-60, 680 nm , 300 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	172,29	184,78
LED690-66-60, 690 nm , 300 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	172,29	184,78
LED700-66-60, 700 nm , 300 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	172,29	184,78
LED720-66-60, 720 nm , 550 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	172,29	184,78
LED735-66-60, 735 nm , 1 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	150,20	161,09
LED740-66-60, 740 nm , 1 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	150,20	161,09
LED750-66-60, 750 nm , 1 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	150,20	161,09
LED760-66-60, 760 nm , 1 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	150,20	161,09
LED780-66-60, 780 nm , 1.0 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	150,20	161,09
LED790-66-60, 790 nm , 1.0 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	144,90	155,40
LED810-66-60, 810 nm , 1.0 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	144,90	155,40
LED830-66-60, 830 nm , 1.0 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	144,90	155,40
LED840-66-60, 840 nm , TO-66, 60 chips, silicone / epoxy resin	144,90	155,40
LED850-66-60, 850 nm , 1.5 W at 800 mA, TO-66, 60 chips, silicone / epoxy resin	120,16	128,87
LED870-66-60, 870 nm , 1.5 W at 800 mA, TO-66, 60 chips, silicone / epoxy resin	120,16	128,87
LED880-66-60, 880 nm , 1.5 W at 800 mA, TO-66, 60 chips, silicone / epoxy resin	120,16	128,87
LED890-66-60, 890 nm , 0.85 W at 800 mA, TO-66, 60 chips, silicone / epoxy resin	109,91	117,88
LED910-66-60, 910 nm , 600 mW at 800 mA, TO-66, 60 chips, silicone / epoxy resin	144,90	155,40
LED940-66-60, 940 nm , 1.2 W at 0.8 A, 7W at 5A, TO-66, 60 chips, silicone / epoxy resin	81,64	87,56
LED950-66-60, 950 nm , xxx m W at xxx mA, TO-66, 60 chips, silicone / epoxy resin	81,64	87,56
LED970-66-60, 970 nm , 500 mW at 800 mA, TO-66, 60 chips, silicone / epoxy resin	97,19	104,23
LED980-66-60, 980 nm , 150 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	116,63	125,08
LED990-66-60, 990 nm , 100 mW at 600 mA, 6.5V, TO-66, 60 chips, silicone / epoxy resin	208,00	223,08
LED1050-66-60, 1050 nm , 120 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	365,67	392,17
LED1070-66-60, 1070 nm , 60 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	365,67	392,17
LED1200-66-60, 1200 nm , 60 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	365,67	392,17
LED1300-66-60, 1300 nm , 140 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	365,67	392,17
LED1450-66-60, 1450 nm , 60 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	365,67	392,17
LED1550-66-60, 1550 nm , 60 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	365,67	392,17
further wavelengths available on request		

HEAT SINKS FOR TO66 HIGH POWER LEDs


	EUR	USD
 <p>heat sink 47 x 20 mm for TO66 high power LEDs</p>	1-9 pcs.	1-9 pcs.
Heat Sink 47x20, for TO66, black aluminium, 47.5 x 20 mm, 54 g	9,33	10,00
	1-9 pcs.	1-9 pcs.
Heat Sink 47x10, for TO66, black aluminium, 47.5 x 10 mm, 27 g	6,15	6,60

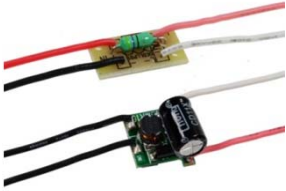
	thermal grease recommended for high power LED arrays in TO66 and TO3 packages	1-9 pcs.	1-9 pcs.
Thermal Grease, ST-700 10% AgOx, TC: >7.5 W/mK, 1 g		1,27	1,36

OPTICS FOR TO66 HIGH POWER LEDs

	EUR	USD	
			
aspheric glass LED optic 18 mm aperture compatible with TO66 high power LED package	1-9 pcs.	1-9 pcs.	
LED-OPTIC-18 , aspheric glass lens, 18 mm aperture, for TO66 LED, +/-30°, f=13.5 mm		17,38	18,64
			
aspheric glass LED optic 12 mm aperture compatible with TO66 high power LED package with flat epoxy mold	1-9 pcs.	1-9 pcs.	
LED-OPTIC-12 , aspheric glass lens, 12 mm aperture, for TO-66 LED, +/-30°, f=12.0 mm		17,38	18,64
			
plastic LED optic/reflector compatible with TO66 high power LED package	1-9 pcs.	1-9 pcs.	
LENS-13 , plastic lens/reflector for TO66 high power LED, +/-15°		32,00	34,32

ELECTRONICS FOR LEDs




LED Tester	EUR	USD	
			
compact handheld LED Tester 2, 5, 10, 20, 30, 50, 70, 150 mA selectable suitable for standard and piranha LEDs control LED battery included	1-49 pcs.	1-49 pcs.	
LED Tester, 2...150 mA , 80 x 55 x 22 mm ³ , 75 g, battery included		9,90	10,62

DRIVERS FOR LEDs, CW MODE	EUR	USD	
			
Drivers for LEDs - constant current logic - easy to install - small size	1-5 pcs.	1-5 pcs.	
LLP20 , output 20-30 mA , input 1.5 VDC, for 1-5 LEDs (Vf=3.0 V), 21x11 mm		2,48	2,66
CDDL350 , output 350 mA , 12 - 24 V, input 7-30 VDC, 18x13 mm		3,90	4,18
CDDL700 , output 700 mA , 12 - 24 V, input 7-30 VDC, 18x13 mm		3,90	4,18


POWER SUPPLIES FOR HIGH POWER LEDs

PTDCC constant current drivers	EUR	USD
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 <p>Constant current driver for high power LEDs - Supply voltage 12 - 24 VDC - DC constant current output - Thermal overload protection - Short circuit protection - CE certified, complies EN 61347</p>		
	1-9 pcs.	1-9 pcs.
PTDCC/S350/12-24, 350 mA , 12 - 24 VDC, 6 W, 30 x 14 x 8 mm ³	22,55	24,18
PTDCC/S700/12-24, 700 mA , 12 - 24 VDC, 6 W, 30 x 14 x 8 mm ³	22,55	24,18
 <p>Constant current driver for high power LEDs - Supply voltage 95 -240 VAC - DC constant current output - Thermal overload protection - Short circuit protection - CE certified, complies EN 61347</p>		
	1-9 pcs.	1-9 pcs.
PTDCC/3/350, 350 mA , 95 - 240 VAC, 3 W, 40 x 42 x 21 mm ³	13,93	14,94
PTDCC/10/U/350, 350mA , 95-240VAC, 8 W, 34x115x19mm ³ , complies UL1310 -> USA	23,25	24,94
PTDCC/10/500, 500 mA , 95 - 240 VAC, 9 W, 34 x 115 x 19 mm ³	19,45	20,86
PTDCC/10/700, 700 mA , 95 - 240 VAC, 9 W, 34 x 115 x 19 mm ³	20,65	23,36
Multipower15, 350, 500, 700 mA , 220 - 240 VAC, 15 W, 34 x 115 x 19 mm ³	22,90	24,56
 <p>Constant current driver for high power LEDs - Supply voltage 220 -240 VAC - DC constant current output - wide output current range 200 - 950 mA - output current selectable by DIP switch - CE certified, complies EN 61347</p>		
	1-9 pcs.	1-9 pcs.
Multipower30, 200-950 mA , 220 - 240 VAC, 30 W, 103 x 67 x 30 mm ³	35,40	37,97
 <p>Constant current driver for high power LEDs - Supply voltage 220 -240 VAC - DC constant current output - Thermal overload protection - Short circuit protection - CE certified, complies EN 61347</p>		
	1-9 pcs.	1-9 pcs.
PTDCC/15/350, 350 mA , 220 - 240 VAC, 17 W, 38 x 123 x 21 mm ³	26,90	28,85
PTDCC/15/500, 500 mA , 220 - 240 VAC, 17 W, 38 x 123 x 21 mm ³	27,35	29,33
PTDCC/15/700, 700 mA , 220 - 240 VAC, 17 W, 38 x 123 x 21 mm ³	28,55	30,62
 <p>Constant current driver for high power LED - Supply voltage 95 -240 VAC - DC constant current output - Thermal overload and short circuit protection - built in type - CE certified, complies EN 61347</p>		
	1-9 pcs.	1-9 pcs.
PTDCCL/10/350, 350 mA , 95 - 240 VAC, 10 W, 22 x 145 x 22 mm ³	19,80	21,24
PTDCCL/10/700, 700 mA , 95 - 240 VAC, 10 W, 22 x 145 x 22 mm ³	23,80	25,53
LEDS - INDUSTRIAL ILLUMINATION		
IDLT series	EUR	USD
 <p>industrial series high power LED array alu PCB design, diameter 55 mm</p> <p style="text-align: center;">brightness up to 1200 lm</p>		
	1-5 pcs.	1-5 pcs.
IDLT018-CW3, white , 5000-10000 K, 220 lm, +/- 75°, If = 320 mA, Uf = 9.0 - 11.0 V	6,85	7,35
IDLT018-CW6, white , 5000-10000 K, 430 lm, +/- 75°, If = 640 mA, Uf = 9.0 - 11.0 V	10,44	11,20
IDLT018-CW9, white , 5000-10000 K, 720 lm, +/- 75°, If = 960 mA, Uf = 9.0 - 11.0 V	14,35	15,39
IDLT018-WW3, warm white , 2700-4500 K, 200 lm, +/- 75°, If=320mA, Uf = 9.0 - 11.0 V	6,85	7,35
IDLT018-WW6, warm white , 2700-4500 K, 410 lm, +/- 75°, If=640mA, Uf = 9.0 - 11.0 V	10,44	11,20


IDLT018-WW9, warm white , 2700-4500 K, 700 lm, +/- 75°, If=960mA, Uf = 9.0 - 11.0 V	14,35	15,39
 industrial series high power LED array alu PCB design, diameter 30 mm brightness 115 lm	1-9 pcs.	1-9 pcs.
IDLT021-CW1, white , 5000-10000 K, 115 lm, +/- 75°, If = 120 mA, Uf = 11.6 - 13.5V	4,70	5,04
IDLT021-WW1, warm white , 2700-4500 K, 110 lm, +/- 75°, If = 120 mA, Uf = 9.0 - 11.0V	4,70	5,04
 industrial series high power LED array alu PCB design, diameter 30 mm high voltage, low current brightness 115 lm	1-9 pcs.	1-9 pcs.
IDLT021-CW1HV, white , 5000-10000 K, 115 lm, +/- 75°, If = 20 mA, Uf = 70 - 82 V	4,70	5,04
IDLT021-WW1HV, warm white , 2700-4500 K, 110 lm, +/- 75°, If = 20 mA, Uf = 70 - 82 V	4,70	5,04
 industrial durable high power LED array alu PCB design 48 x 7 x 1.7 mm brightness 175 lm	1-9 pcs.	1-9 pcs.
IDLT020-WW3, warm white , 2700-4500 K, 160 lm, +/- 75°, If = 320 mA, Uf = 9.0 - 10.5 V	7,05	7,56



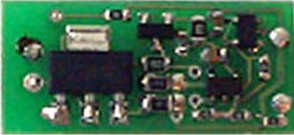


LEDS - MID-IR







STANDARD MID-IR LEDs 1 - 5 µm	EUR	USD
 Standard MID-IR LEDs - wavelength: 1 - 5 µm - QCW and pulse mode operation options: parabolic reflector (R), window (W), thermoelectric cooler and thermoresistor (T), narrow spectrum (NS) package: SMD, TO-18, TO-5		
1.05 µm		
LED10-SMD35, 1.03-1.07 µm, FWHM 70-100 nm, QCW 12-20 mW, SMD 3.5x3.5 mm	50,40	54,05
LED10, 1.03-1.07 µm, FWHM 70-100 nm, QCW 12-20 mW, TO-18, cap, window	50,40	54,05
LED10-R, 1.03-1.07 µm, FWHM 70-100 nm, QCW 12-20 mW, TO-18, reflector, no window	61,60	66,06
LED10-RW, 1.03-1.07 µm, FWHM 70-100 nm, QCW 12-20 mW, TO-18, reflector, window	84,00	90,09
LED10-TW, 1.03-1.07 µm, FWHM 70-100 nm, QCW 12-20 mW, TO-5, cap, window, TEC	193,20	207,20
LED10-TRW, 1.03-1.07 µm, FWHM 70-100 nm, QCW 12-20 mW, TO-5, reflector, window, TEC	204,40	219,21
1.10 µm		
LED11, 1.09-1.15 µm, FWHM 60-80 nm, QCW 4.5-9.0 mW, TO-18, cap, no window	86,80	93,09
LED11-R, 1.09-1.15 µm, FWHM 60-80 nm, QCW 4.5-9.0 mW, TO-18, reflector, no window	92,40	99,10
LED11-RW, 1.09-1.15 µm, FWHM 60-80 nm, QCW 4.5-9.0 mW, TO-18, reflector, window	98,00	105,10
LED11-TW, 1.09-1.15 µm, FWHM 60-80 nm, QCW 4.5-9.0 mW, TO-5, cap, window, TEC	154,00	165,16
LED11-TRW, 1.09-1.15 µm, FWHM 60-80 nm, QCW 4.5-9.0 mW, TO-5, reflector, window, TEC	159,60	171,17
1.32 µm		
LED13-SMD35, 1.25-1.33 µm, FWHM 70-100 nm, QCW 10-18 mW, SMD 3.5x3.5 mm	50,40	54,05
LED13, 1.25-1.33 µm, FWHM 70-100 nm, QCW 10-18 mW, TO-18, cap, window	50,40	54,05
LED13-R, 1.25-1.33 µm, FWHM 70-100 nm, QCW 10-18 mW, TO-18, reflector, no window	61,60	66,06
LED13-RW, 1.25-1.33 µm, FWHM 70-100 nm, QCW 10-18 mW, TO-18, reflector, window	84,00	90,09
LED13-TW, 1.25-1.33 µm, FWHM 70-100 nm, QCW 10-18 mW, TO-5, cap, window, TEC	193,20	207,20
LED13-TRW, 1.25-1.33 µm, FWHM 70-100 nm, QCW 10-18 mW, TO-5, reflector, window, TEC	204,40	219,21
1.45 µm		
LED14-SMD35, 1.40-1.49 µm, FWHM 90-120 nm, QCW 7-15 mW, SMD 3.5x3.5 mm	50,40	54,05
LED14, 1.40-1.49 µm, FWHM 90-120 nm, QCW 7-15 mW, TO-18, cap, window	50,40	54,05
LED14-R, 1.40-1.49 µm, FWHM 90-120 nm, QCW 7-15 mW, TO-18, reflector, no window	61,60	66,06
LED14-RW, 1.40-1.49 µm, FWHM 90-120 nm, QCW 7-15 mW, TO-18, reflector, window	84,00	90,09


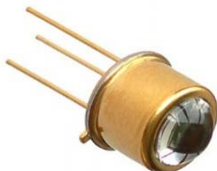
LED14-TW, 1.40-1.49 µm, FWHM 90-120 nm, QCW 7-15 mW, TO-5, cap, window, TEC	193,20	207,20
LED14-TRW, 1.40-1.49 µm, FWHM 90-120 nm, QCW 7-15 mW, TO-5, reflector, window, TEC	204,40	219,21
1.53 µm		
LED15-SMD35, 1.50-1.59 µm, FWHM 110-140 nm, QCW 7-15 mW, SMD 3.5x3.5 mm	50,40	54,05
LED15, 1.50-1.59 µm, FWHM 110-140 nm, QCW 7-15 mW, TO-18, cap, window	50,40	54,05
LED15-R, 1.50-1.59 µm, FWHM 110-140 nm, QCW 7-15 mW, TO-18, reflector, no window	61,60	66,06
LED15-RW, 1.50-1.59 µm, FWHM 110-140 nm, QCW 7-15 mW, TO-18, reflector, window	84,00	90,09
LED15-TW, 1.50-1.59 µm, FWHM 110-140 nm, QCW 7-15 mW, TO-5, cap, window, TEC	193,20	207,20
LED15-TRW, 1.50-1.59 µm, FWHM 110-140 nm, QCW 7-15 mW, TO-5, reflector, window, TEC	204,40	219,21
1.65µm		
LED16-SMD35, 1.60-1.69 µm, FWHM 120-150 nm, QCW 7-15 mW, SMD 3.5x3.5 mm	50,40	54,05
LED16, 1.60-1.69 µm, FWHM 120-150 nm, QCW 7-15 mW, TO-18, cap, window	50,40	54,05
LED16-R, 1.60-1.69 µm, FWHM 120-150 nm, QCW 7-15 mW, TO-18, reflector, no window	61,60	66,06
LED16-RW, 1.60-1.69 µm, FWHM 120-150 nm, QCW 7-15 mW, TO-18, reflector, window	84,00	90,09
LED16-TW, 1.60-1.69 µm, FWHM 120-150 nm, QCW 7-15 mW, TO-5, cap, window, TEC	193,20	207,20
LED16-TRW, 1.60-1.69 µm, FWHM 120-150 nm, QCW 7-15 mW, TO-5, reflector, window, TEC	204,40	219,21
1.73 µm		
LED17-SMD35, 1.70-1.76 µm, FWHM 160-220 nm, QCW 5-10 mW, SMD 3.5x3.5 mm	50,40	54,05
LED17, 1.70-1.76 µm, FWHM 160-220 nm, QCW 5-10 mW, TO-18, cap, window	50,40	54,05
LED17-R, 1.70-1.76 µm, FWHM 160-220 nm, QCW 5-10 mW, TO-18, reflector, no window	61,60	66,06
LED17-RW, 1.70-1.76 µm, FWHM 160-220 nm, QCW 5-10 mW, TO-18, reflector, window	84,00	90,09
LED17-TW, 1.70-1.76 µm, FWHM 160-220 nm, QCW 5-10 mW, TO-5, cap, window, TEC	193,20	207,20
LED17-TRW, 1.70-1.76 µm, FWHM 160-220 nm, QCW 5-10 mW, TO-5, reflector, window, TEC	204,40	219,21
1.85 µm		
LED18-SMD35, 1.80-1.89 µm, FWHM 100-200 nm, QCW 0.7-1.1 mW, SMD 3.5x3.5 mm	100,80	108,11
LED18, 1.80-1.89 µm, FWHM 100-200 nm, QCW 0.7-1.1 mW, TO-18, cap, window	100,80	108,11
LED18-R, 1.80-1.89 µm, FWHM 100-200 nm, QCW 0.7-1.1 mW, TO-18, reflector, no window	112,00	120,12
LED18-RW, 1.80-1.89 µm, FWHM 100-200 nm, QCW 0.7-1.1 mW, TO-18, reflector, window	134,40	144,14
LED18-TW, 1.80-1.89 µm, FWHM 100-200 nm, QCW 0.7-1.1 mW, TO-5, cap, window, TEC	243,60	261,26
LED18-TRW, 1.80-1.89 µm, FWHM 100-200 nm, QCW 0.7-1.1 mW, TO-5, reflector, window, TEC	254,80	273,27
1.95 µm		
LED19-SMD35, 1.90-1.99 µm, FWHM 100-200 nm, QCW 0.8-1.2 mW, SMD 3.5x3.5 mm	100,80	108,11
LED19, 1.90-1.99 µm, FWHM 100-200 nm, QCW 0.8-1.2 mW, TO-18, cap, window	100,80	108,11
LED19-R, 1.90-1.99 µm, FWHM 100-200 nm, QCW 0.8-1.2 mW, TO-18, reflector, no window	112,00	120,12
LED19-RW, 1.90-1.99 µm, FWHM 100-200 nm, QCW 0.8-1.2 mW, TO-18, reflector, window	134,40	144,14
LED19-TW, 1.90-1.99 µm, FWHM 100-200 nm, QCW 0.8-1.2 mW, TO-5, cap, window, TEC	243,60	261,26
LED19-TRW, 1.90-1.99 µm, FWHM 100-200 nm, QCW 0.8-1.2 mW, TO-5, reflector, window, TEC	254,80	273,27
2.05 µm		
LED20-SMD35, 2.00-2.09 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, SMD 3.5x3.5 mm	100,80	108,11
LED20, 2.00-2.09 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, cap, window	100,80	108,11
LED20-R, 2.00-2.09 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, no window	112,00	120,12
LED20-RW, 2.00-2.09 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, window	134,40	144,14
LED20-TW, 2.00-2.09 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, cap, window, TEC	243,60	261,26
LED20-TRW, 2.00-2.09 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, reflector, window, TEC	254,80	273,27
2.15 µm		
LED21-SMD35, 2.10-2.19 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, SMD 3.5x3.5 mm	100,80	108,11
LED21, 2.10-2.19 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, cap, window	100,80	108,11
LED21-R, 2.10-2.19 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, no window	112,00	120,12
LED21-RW, 2.10-2.19 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, window	134,40	144,14
LED21-TW, 2.10-2.19 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, cap, window, TEC	243,60	261,26
LED21-TRW, 2.10-2.19 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, reflector, window, TEC	254,80	273,27
2.22 µm		
LED22-SMD35, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, SMD 3.5x3.5 mm	100,80	108,11
LED22, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, cap, window	100,80	108,11
LED22-R, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, no window	112,00	120,12
LED22-RW, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, window	134,40	144,14
LED22-TW, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, cap, window, TEC	243,60	261,26
LED22-TRW, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, reflector, window, TEC	254,80	273,27
2.35 µm		
LED23-SMD35, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, SMD 3.5x3.5 mm	100,80	108,11
LED23, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, TO-18, cap, window	100,80	108,11


LED23-R, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, TO-18, reflector, no window	112,00	120,12
LED23-RW, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, TO-18, reflector, window	134,40	144,14
LED23-TW, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, TO-5, cap, window, TEC	243,60	261,26
LED23-TRW, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, TO-5, reflector, window, TEC	254,80	273,27
2.75 µm		
LED27-SMD35, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, SMD 3.5x3.5 mm	100,80	108,11
LED27, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, TO-18, cap, no window	100,80	108,11
LED27-R, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, TO-18, reflector, no window	112,00	120,12
LED27-RW, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, TO-18, reflector, window	134,40	144,14
LED270NS-RW, 2.72-2.76 µm, FWHM 210-260 nm, QCW 3-5 µW, TO-18, reflector, window	462,00	495,49
LED27-TW, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, TO-5, cap, window, TEC	243,60	261,26
LED27-TRW, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, TO-5, reflector, window, TEC	254,80	273,27
2.84 µm		
LED28-SMD35, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, SMD 3.5x3.5 mm	100,80	108,11
LED28, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, TO-18, cap, no window	100,80	108,11
LED28-R, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, TO-18, reflector, no window	112,00	120,12
LED28-RW, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, TO-18, reflector, window	134,40	144,14
LED28-TW, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, TO-5, cap, window, TEC	243,60	261,26
LED28-TRW, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, TO-5, reflector, window, TEC	254,80	273,27
3.05 µm		
LED305NS-RW, 3.02-3.07 µm, FWHM 100-160 nm, QCW 6-10 µW, TO-18, reflector, window	378,00	405,40
LED305NS-TRW, 3.03-3.07 µm, FWHM 100-140 nm, QCW 7-9 µW, TO-5, reflector, window, TEC	484,40	519,51
3.15 µm		
LED315NS-RW, 3.12-3.17 µm, FWHM 100-160 nm, QCW 8-14 µW, TO-18, reflector, window	378,00	405,40
3.24 µm		
LED32, 3.20-3.30 µm, FWHM 400-700 nm, QCW 10-35 µW, TO-18, cap, no window	86,80	93,09
LED32-R, 3.20-3.30 µm, FWHM 400-700 nm, QCW 10-35 µW, TO-18, reflector, no window	92,40	99,10
LED32-RW, 3.20-3.30 µm, FWHM 400-700 nm, QCW 10-35 µW, TO-18, reflector, window	98,00	105,10
LED321NS-RW, 3.20-3.22 µm, FWHM 100-160 nm, QCW 5-9 µW, TO-18, reflector, window	406,00	435,43
LED32-TW, 3.20-3.30 µm, FWHM 400-700 nm, QCW 10-35 µW, TO-5, cap, window, TEC	154,00	165,16
LED32-TRW, 3.20-3.30 µm, FWHM 400-700 nm, QCW 10-35 µW, TO-5, reflector, window, TEC	159,60	171,17
3.30 µm		
LED332NS-RW, 3.30-3.34 µm, FWHM 120-280 nm, QCW 15-22 µW, TO-18, reflector, window	420,00	450,44
LED334NS-RW, typ. 3.34 µm, FWHM typ. 200 nm, QCW typ. 18 µW, TO-18, reflector, window	434,00	465,46
3.40 µm		
LED34-SMD35, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, SMD 3.5x3.5 mm	53,20	57,06
LED34, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, TO-18, cap, no window	53,20	57,06
LED34-R, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, TO-18, reflector, no window	64,40	69,07
LED34-RW, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, TO-18, reflector, window	86,80	93,09
LED34-L, 3.30-3.44 µm, FWHM 250-600 nm, QCW 80- µW, TO-18, glass cover	58,80	63,06
LED34-TW, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, TO-5, reflector, window, TEC	196,00	210,21
LED34-TRW, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, TO-5, cap, window, TEC	207,20	222,22
LED340NS-TRW, 3.36-3.44 µm, FWHM 120-280 nm, QCW 15-22 µW, TO-5, reflector, window, TEC	652,40	699,69
3.40 µm, High Power		
LED34H-SMD35, 3.30-3.44 µm, FWHM 250-600 nm, QCW 45-80 µW, SMD 3.5x3.5 mm	81,20	87,09
LED34H, 3.30-3.44 µm, FWHM 250-600 nm, QCW 45-80 µW, TO-18, cap, no window	81,20	87,09
LED34H-R, 3.30-3.44 µm, FWHM 250-600 nm, QCW 45-80 µW, TO-18, reflector, no window	92,40	99,10
LED34H-RW, 3.30-3.44 µm, FWHM 250-600 nm, QCW 45-80 µW, TO-18, reflector, window	114,80	123,12
LED34H-TW, 3.30-3.44 µm, FWHM 250-600 nm, QCW 45-80 µW, TO-5, cap, window, TEC	224,00	240,24
LED34H-TRW, 3.30-3.44 µm, FWHM 250-600 nm, QCW 45-80 µW, TO-5, reflector, window, TEC	235,20	252,25
3.45 µm		
LED35-SMD35, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, SMD 3.5x3.5 mm	53,20	57,06
LED35, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, TO-18, cap, no window	53,20	57,06
LED35-R, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, TO-18, reflector, no window	64,40	69,07
LED35-RW, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, TO-18, reflector, window	86,80	93,09
LED35-TW, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, TO-5, cap, window, TEC	196,00	210,21
LED35-TRW, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, TO-5, reflector, window, TEC	207,20	222,22
3.56 µm		
LED36-SMD35, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, SMD 3.5x3.5 mm	100,80	108,11
LED36, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, TO-18, cap, no window	100,80	108,11
LED36-R, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, TO-18, reflector, no window	112,00	120,12

LED36-RW, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, TO-18, reflector, window	154,00	165,16	
LED36-TW, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, TO-5, cap, window, TEC	243,60	261,26	
LED36-TRW, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, TO-5, reflector, window, TEC	254,80	273,27	
3.70 µm			
LED37-SMD35, 3.70-3.75 µm, FWHM 300-600 nm, QCW 12-30 µW, SMD 3.5x3.5 mm	100,80	108,11	
LED37, 3.70-3.75 µm, FWHM 300-600 nm, QCW 12-30 µW, TO-18, cap, no window	100,80	108,11	
LED37-R, 3.70-3.75 µm, FWHM 300-600 nm, QCW 12-30 µW, TO-18, reflector, no window	112,00	120,12	
LED37-RW, 3.70-3.75 µm, FWHM 300-600 nm, QCW 12-30 µW, TO-18, reflector, window	154,00	165,16	
LED37-TW, 3.70-3.75 µm, FWHM 300-600 nm, QCW 12-30 µW, TO-5, cap, window, TEC	243,60	261,26	
LED37-TRW, 3.70-3.75 µm, FWHM 300-600 nm, QCW 12-30 µW, TO-5, reflector, window, TEC	254,80	273,27	
3.85 µm			
LED38-SMD38, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, SMD 3.5x3.5 mm	100,80	108,11	
LED38, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, TO-18, cap, no window	100,80	108,11	
LED38-R, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, TO-18, reflector, no window	112,00	120,12	
LED38-RW, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, TO-18, reflector, window	154,00	165,16	
LED38-L, 3.70-3.94 µm, FWHM 500-700 nm, QCW 45- µW, TO-18, glass cover	112,00	120,12	
LED38-TW, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, TO-5, cap, window, TEC	243,60	261,26	
LED38-TRW, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, TO-5, reflector, window, TEC	254,80	273,27	
3.90 µm			
LED390NS-RW, 3.85-3.94 µm, FWHM 120-160 nm, QCW 15-22 µW, TO-18, reflector, window	406,00	435,43	
4.05 µm			
LED41-SMD35, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, SMD 3.5x3.5 mm	100,80	108,11	
LED41, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, TO-18, cap, no window	100,80	108,11	
LED41-R, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, TO-18, reflector, no window	112,00	120,12	
LED41-RW, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, TO-18, reflector, window	154,00	165,16	
LED41-TW, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, TO-5, cap, window, TEC	243,60	261,26	
LED41-TRW, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, TO-5, reflector, window, TEC	254,80	273,27	
4.15 µm			
LED43-SMD35, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, SMD 3.5x3.5 mm	53,20	57,06	
LED43, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, TO-18, cap, no window	53,20	57,06	
LED43-R, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, TO-18, reflector, no window	64,40	69,07	
LED43-RW, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, TO-18, reflector, window	106,40	114,11	
LED43-L, 4.10-4.30 µm, FWHM 600-1200 nm, QCW 25- µW, TO-18, glass cover	58,80	63,06	
LED43-TW, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, TO-5, cap, window, TEC	196,00	210,21	
LED43-TRW, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, TO-5, reflector, window, TEC	207,20	222,22	
4.30 µm			
LED430NS-RW, 4.25-4.35 µm, FWHM 150-240 nm, QCW 1.5-4 µW, TO-18, reflector, window	434,00	465,46	
4.60 µm			
LED46, 4.40-4.66 µm, FWHM 800-1100 nm, QCW 4-12 µW, TO-18, cap, no window	89,60	96,09	
LED46-R, 4.40-4.66 µm, FWHM 800-1100 nm, QCW 4-12 µW, TO-18, reflector, no window	98,00	105,10	
LED46-RW, 4.40-4.66 µm, FWHM 800-1100 nm, QCW 4-12 µW, TO-18, reflector, window	103,60	111,11	
LED465NS-RW, 4.61-4.70 µm, FWHM 150-240 nm, QCW 1.0-2.5 µW, TO-18, reflector, window	462,00	495,49	
LED46-TW, 4.40-4.66 µm, FWHM 800-1100 nm, QCW 4-12 µW, TO-5, cap, window, TEC	154,00	165,16	
LED46-TRW, 4.40-4.66 µm, FWHM 800-1100 nm, QCW 4-12 µW, TO-5, reflector, window, TEC	159,60	171,17	
MID-IR LEDs WITH IMMERSION LENS		EUR	USD
 <p>MID-IR LEDs - with integrated immersion lens - pulse mode operation package: TO-39</p>			
IR S-LED 4.70, peak 4.7 µm, >20 uW at 1A / 5 µs pulse, 500 Hz, +/-15°		172,92	185,45
IR S-LED 4.80, peak 4.8 µm, >20 uW at 1A / 5 µs pulse., 500 Hz, +/-15°		210,42	225,67
IR S-LED 5.30, 5.3-5.5 µm, >10 uW at 1A / 5 µs pulse., 500 Hz, +/-15°		210,42	225,67
MID-IR LEDs OPTICAL PUMPED WITH IMMERSION LENS		EUR	USD

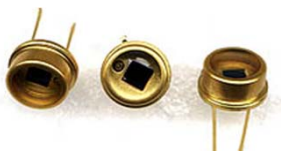

 <p>Optical pumped MID-IR LEDs - with integrated immersion lens - cw and pulse mode operation package: TO-39</p>		
MIRO36-35-39CL, 3.6 μm , 0.30 mW at 1A/10 μs pulse, 25 μW at 50 mA, 35° FWHM	68,00	72,93
MIRO39-35-39CL, 3.9 μm , 0.25 mW at 1A/10 μs pulse, 20 μW at 50 mA, 35° FWHM	68,00	72,93
MID-IR LEDs Multi-Chip SINGLE OR MULTI WAVELENGTH	EUR	USD
 <p>Multi-Chip MID-IR LEDs - single or multi wavelengths, 1 - 5 μm - QCW and pulse mode operation options: parabolic reflector (R), window (W), thermoelectric cooler and thermoresistor (T) package: SMD, TO-18, TO-5</p>		
3.40 μm, 4 chips, single wavelength		
LED34M4, 3.30-3.49 μm , FWHM 400-600 nm, 90-160 μW QCW, TO-18, cap, window	134,40	144,14
LED34M4-R, 3.30-3.49 μm , FWHM 400-600 nm, 90-160 μW QCW, TO-18, reflector,	145,60	156,15
LED34M4-RW, 3.30-3.49 μm , FWHM 400-600 nm, 90-160 μW QCW, TO-18, reflector, window	168,00	180,18
LED34M4-TW, 3.30-3.49 μm , FWHM 400-600 nm, 90-160 μW QCW, TO-5, cap, window, TEC	302,40	324,32
LED34M4-TRW, 3.30-3.49 μm , FWHM 400-600 nm, 90-160 μW QCW, TO-5, reflector, , TEC	313,60	336,33
4.30 μm, 4 chips, single wavelength		
LED43M4, 4.10-4.30 μm , FWHM 700-1000 nm, 25-45 μW QCW, TO-18, cap, window	134,40	144,14
LED43M4-R, 4.10-4.30 μm , FWHM 700-1000 nm, 25-45 μW QCW, TO-18, reflector,	145,60	156,15
LED43M4-RW, 4.10-4.30 μm , FWHM 700-1000 nm, 25-45 μW QCW, TO-18, reflector, window	187,60	201,20
LED43M4-TW, 4.10-4.30 μm , FWHM 700-1000 nm, 25-45 μW QCW, TO-5, cap, window, TEC	302,40	324,32
LED43M4-TRW, 4.10-4.30 μm , FWHM 700-1000 nm, 25-45 μW QCW, TO-5, reflector, , TEC	313,60	336,33
ACCESSORIES FOR MID-IR LEDs		
REFLECTORS FOR MID-IR LEDs	EUR	USD
Parabolic Reflector, aluminium reflector for TO-18 package	10,00	10,72
ELECTRONICS FOR MID-IR LEDs	EUR	USD
MINI DRIVER BOARDS FOR MID-IR LEDs, QCW and PULSED MODE, PCB		
 <p>Current pulse drivers for LEDs and mid-IR LEDs - open pcb type - fixed pulsed mode operating voltage: 5..6 VDC size: 12 x 24 mm²</p>		
PCB-mdriver-QCW, QCW mode, 50% duty cycle, 500 μs on/off, f = 1kHz, current = 150 mA	70,00	75,07
PCB-mdriver-P, pulsed mode, 5 μs on, 495 μs off, f = 2 kHz, current = 2 A	70,00	75,07
DRIVER BOARDS FOR MID-IR LEDs, PULSED MODE, PCB		
 <p>Current pulse drivers for LEDs and mid-IR LEDs - open pcb type - fixed pulsed mode, for max. peak optical power operating voltage: 5..6 VDC size: 12 x 24 mm²</p>		
PCB-driver-41, pulsed mode, 4 current/frequency/duration value selectors, sync input	177,60	190,47
PCB-driver-51, pulsed mode, 4 current/frequency/duration values, sync input, temp contr.	192,40	206,35
MULTI-CHANNEL DRIVER BOARD FOR MID-IR LEDs, PULSED MODE, PCB		
 <p>Multi-Channel pulse driver for LEDs and mid-IR LEDs - open pcb type - fixed pulsed mode (set to your needs) - 0.4 A and 0.5 kHz each channel operating voltage: 12 VDC size: 105 x 70 x 15 mm</p>		
PCB-driver-MC, multi-channel, up to 8 channels, PD input & preamp., synch. Detector	545,75	585,31

DRIVERS FOR MID-IR LEDs, QCW and PULSED MODE		
 <p>Drivers for LEDs and Laser Diodes</p> <ul style="list-style-type: none"> - qcw mode for max. average optical power - pulsed mode for max. peak optiacl power 		
D-11, qcw & pulsed driver for LEDs and LDs, adjustable operation mode	148,00	158,73
D-31M, qcw & pulsed driver for LEDs and LDs, adjustable current/pulse/rep. rate, small size	194,00	208,06
DRIVERS FOR MID-IR LEDs, QCW and PULSED MODE with temperature controller		
 <p>Drivers for LEDs and Laser Diodes</p> <ul style="list-style-type: none"> - with integrated thermocooler - qcw mode for max. average optical power - pulsed mode for max. peak optiacl power 		
DLT-27, qcw & pulsed mode driver for LEDs and LDs with TEC	382,00	409,69
DLT-37, qcw & pulsed mode driver for LEDs and LDs with TEC, adj. current, pulse, rep.	396,00	424,70
PD - UV		
Smart UVI Checker	EUR	USD
 <p>UVI Checker for directly measuring the UV radiation intensity of the Sun with your Smart phone</p> <ul style="list-style-type: none"> - works with Apple & Android phones - required app freely available - no battery required - real time measurement - UV index read out 	1-9 pcs.	1-9 pcs.
Smart UVI Checker, 240-370 nm , 0 - 10 UVI, size 10 x 30 mm (incl. Ear Jack: 47mm)	26,00	27,88
UV-PHOTODIODES GaN, AlGaN and InGaN	EUR	USD
 <p>UV-photodiodes based on GaN, AlGaN and InGaN are intrinsic visible blind due to high bandgap material, extreme irradiation hardness</p>	1-9 pcs.	1-9 pcs.
GUVV-T10GD, 210-280 nm , chip size 0.3 x 0.3 mm ² , TO-46, quartz window	19,40	20,81
GUVB-T11GD, 200-320 nm , chip size 0.3 x 0.3 mm ² , TO-46, quartz window	14,60	15,66
GUVB-S11SD, 235-320 nm , chip size 0.4 x 0.4 mm ² , SMD 3528, silicone resin	3,80	4,08
GUVA-T11GD, 200-370 nm , chip size 0.4 x 0.4 mm ² , TO-46, quartz window	9,80	10,51
GUVA-T11GD-L, 200-370 nm , chip size 1.4 x 1.4 mm ² , TO-46, quartz window	19,20	20,59
GUVA-S12SD, 240-370 nm , chip size 0.3 x 0.3 mm ² , SMD 3528, silicone resin	5,20	5,58
GUVA-C22SD, 240-370 nm , chip size 0.3 x 0.3 mm ² , COB 2416, Si encapsulant	3,30	3,54
GUVV-T10GD, 230-395 nm , chip size 0.4 x 0.4 mm ² , TO-46, quartz window	15,20	16,30
GUVV-S10SD, 240-395 nm , chip size 0.4 x 0.4 mm ² , SMD 3528, silicone resin	3,90	4,18
UV-PHOTODIODE GaN, AlGaN and InGaN with TIA	EUR	USD
 <p>UV-photodiode based on GaN, AlGaN and InGaN with integrated transimpedance amplifier for ultra low level UV radiation detection peak response: 280 nm, 320 nm, 370 nm, 395 nm</p>	1-9 pcs.	1-9 pcs.
GUVV-T21GH, 220-280 nm , integrated TI amplifier, TO-5, quartz window	31,50	33,78
GUVB-T21GH, 220-320 nm , integrated TI amplifier, TO-5, quartz window	31,50	33,78
GUVA-T21GH, 220-370 nm , integrated TI amplifier, TO-5, quartz window	25,20	27,03
GUVV-T21GH, 220-395 nm , integrated TI amplifier, TO-5, quartz window	31,50	33,78
UV-PHOTODIODES SiC	EUR	USD

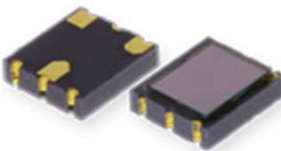
	<p>Silicon Carbide Photodiodes offering high visible blindness, low dark current, high speed, and low noise</p> <ul style="list-style-type: none"> - operating temp. range -55 ...170°C - visible blindness >10¹⁰ - UVA, -B, -C, and UV broadband version avail. - Erythem versions for measuring UV-index (UVI) avail. 	1-9 pcs.	1-9 pcs.
SIC01S, chip active area 0.06 mm²			
SIC01S-18, 215-365 nm , peak 285 nm, TO-18, UV-broadband		25,00	26,81
SIC01S-18ISO90, 215-365 nm , peak 285 nm, TO-18, both pins isolated		41,80	44,83
SIC01S-A18, 310-370 nm , peak 335 nm, TO-18, UVA		53,20	57,06
SIC01S-B18, 230-315nm , peak 280 nm, TO-18, UVB		53,20	57,06
SIC01S-C18, 230-285 nm , peak 270 nm, TO-18, UVC		53,20	57,06
SIC01M, chip active area 0.2 mm²			
SIC01M-18, 215-365 nm , peak 285 nm, TO-18, UV-broadband		60,80	65,21
SIC01M-18ISO90, 215-365 nm , peak 285 nm, TO-18, both pins isolated		70,30	75,40
SIC01M-5LENS, 220-360 nm , peak 288 nm, flame detection (EN298) , 0.2 mm ² , TO-5		81,70	87,62
SIC01M-A18, 310-370 nm , peak 335 nm, TO-18, UVA		102,60	110,04
SIC01M-B18, 230-315 nm , peak 280 nm, TO-18, UVB		102,60	110,04
SIC01M-C5, 230-285 nm , peak 270 nm, TO-5, UVC		110,20	118,19
SIC01M-E18, Erythem , 0.5nA/UVI, TO-18, UV-Index (DIN5050/CIE087)		117,80	126,34
SIC01D, chip active area 0.5 mm²			
SIC01D-18, 215-365 nm , peak 285 nm, TO-18, UV-broadband		60,80	65,21
SIC01D-A18, 310-370 nm , peak 335 nm, TO-18, UVA		102,60	110,04
SIC01D-B18, 230-315 nm , peak 280 nm, TO-18, UVB		102,60	110,04
SIC01D-C18, 230-285 nm , peak 270 nm, TO-18, UVC		102,60	110,04
SIC01D-E18, Erythem , 0.5nA/UVI, TO-18, UV-Index (DIN5050/CIE087)		117,80	126,34
SIC01L, chip active area 1.0 mm²			
SIC01L-18, 210-380 nm , peak 285 nm, TO-18, UV-broadband		136,80	146,72
SIC01L-18ISO90, 210-380 nm , peak 285 nm, TO-18, both pins isolated		155,80	167,09
SIC01L-5, 210-380 nm , peak 285 nm, TO-5		136,80	146,72
SIC01L-A5, 310-370 nm , peak 335 nm, TO-5, UVA		180,50	193,58
SIC01L-B5, 230-315 nm , peak 280 nm, TO-5, UVB		180,50	193,58
SIC01L-C5, 230-285 nm , peak 270 nm, TO-5, UVC		180,50	193,58
SIC01L-E5, Erythem , 2 nA/UVI, TO-5, UV-Index (DIN5050/CIE087)		203,30	218,04
SIC01XL, chip active area 7.6 mm²			
SIC01XL-5, 215-365 nm , peak 285 nm, TO-5, UV-broadband		502,20	538,60
SIC01XL-5ISO90, 215-365 nm , peak 285 nm, TO-5, both pins isolated		502,20	538,60
SIC01XL-A5, 210-370 nm , peak 335 nm, TO-5, UVA		550,80	590,72
SIC01XL-B5, 230-315 nm , peak 280 nm, TO-5, UVB		550,80	590,72
SIC01XL-C5, 230-285 nm , peak 270 nm, TO-5, UVC		550,80	590,72
SIC01XL-E5, Erythem , 2 nA/UVI, TO-5, UV-Index (DIN5050/CIE087)		567,00	608,10
SIC01L4, multi chip array, active area 3.84 mm²			
SIC01L4-5, 210-380 nm , peak 285 nm, Id 20 fA, 800 pF, TO-5, UV-broadband		594,00	637,05
SIC01L4-C5, 230-285 nm , peak 270 nm, Id 20 fA, 800 pF, TO-5, UV-broadband		594,00	637,05
UV-PHOTODIODE SiC with TIA		EUR	USD
	<p>Silicon Carbide pre-amplified UV photodetector</p> <ul style="list-style-type: none"> - integrated transimpedance amplifier - 0...5V stable output voltage - no external amplifier required - TO-5 metal can housing 	1-9 pcs.	1-9 pcs.
UV-TIAMO-BL, 210-380 nm , <18 nW/cm ² , chip size 0.2mm ² , ball lens --> flame detection		165,00	176,96
UV-TIAMO, 210-380 nm , <18 μW/cm ² , chip size 0.2mm ² , flat window with diffusor		165,00	176,96
UV-TIAMO-S, 210-380 nm , <18 mW/cm ² , chip size 0.2mm ² , flat window with diffusor		165,00	176,96
UV-TIAMO-M, 210-380 nm , <180 mW/cm ² , chip size 0.2mm ² , flat window with attenuator		165,00	176,96
UV-TIAMO-E2, 300-400nm , <30 UVI, flat window, --> UV-Index (CIE087)		165,00	176,96
UV-PHOTODIODES GaP		EUR	USD

	UV-photodiodes based on GaP		
		1-9 pcs.	1-9 pcs.
EPD-150-0/2.5, 130 - 550 nm , active area 4.8 mm ² , sapphire window, TO-39			
		119,00	127,63
EPD-150-0/3.6, 130 - 550 nm , active area 10.9 mm ² , sapphire window, TO-39			
		not available	not available
EPD-440-0/0.9, 190-550 nm , active area 0.51 mm ² , TO-46			
		38,60	41,40
EPD-440-0/1.4, 190-550 nm , active area 1.2 mm ² , TO-46			
		58,00	62,20
EPD-440-0/2.5, 190-550 nm , active area 4.8 mm ² , TO-39			
		74,78	80,20
EPD-440-0/3.6, 190-550 nm , active area 10.9 mm ² , TO-39			
		not available	not available
EPD-280-0-0.3-1, 220-380 nm , active area 0.056 mm ² , TO-46			
		89,00	95,45
EPD-270-0-0.3-2, 230-285 nm , active area 0.056 mm ² , TO-39			
		not available	not available
EPD-365-0/0.9, 245-405 nm , active area 0.51 mm ² , UG11 filter, TO-46			
		52,70	56,52
EPD-365-0/1.4, 245-405 nm , active area 1.2 mm ² , UG11 filter, TO-46			
		59,00	63,28
EPD-365-0/2.5, 245-405 nm , active area 4.8 mm ² , UG11filter, TO-39			
		104,27	111,83
EPD-365-0/3.6, 245-405 nm , active area 10.9 mm ² , UG11 filter, TO-39			
		133,90	143,61
EPD-310-0-0.3-2, 290-330 nm , active area 0.056 mm ² , TO-39			
		not available	not available
EPD-360-0-0.3-2, 230-400 nm , active area 0.056 mm ² , TO-39			
		not available	not available

PD - SILICON


PHOTODIODES SILICON		EUR	USD
	Silicon Pin-photodiodes featuring excellent responsibility and high photocurrent. Range of Sensivity: 400-1100nm, peak@900nm Different packages: TO46, TO39, 3mm, 5mm, SMD RoHS compliant		
		1-9 pcs.	1-9 pcs.
SPD19-33 , active area 0.2 mm ² , 6 pF, Id: 10nA, tr,ff: 6 ns, 3 mm epoxy package			
		1,33	1,43
SPD19-C , active area 0.2 mm ² , 6pF, Id:10nA, ceramic SMD 3.0 x 2.0 x 1.1 mm ³			
		2,52	2,70
SPD64-04 , active area 0.64 mm ² , 6 pF, Id: 10nA, tr,ff: 10 ns, 5 mm epoxy package			
		1,48	1,59
SPD64-04B , active area 0.64 mm ² , 6 pF, Id: 10nA, tr,ff: 10 ns, visible light cutoff			
		1,77	1,90
SPD17-0F , active area 1,69 mm ² , 6 pF, Id: 10nA, tr,ff: 10 ns, T046 epoxy resin			
		2,30	2,47
SPD400-0F , active area 4 mm ² , 18 pF, Id: 5 nA, TO46 with epoxy resin, tr, tf: 45 ns			
		3,49	3,74
SPD900-9P , active area 9 mm ² , 25 pF, Id: 5 nA, TO39 flat glass window			
		16,96	18,19
SI PHOTODIODES WITH INTEGRATED TRANSIMPEDANCE AMPLIFIER		EUR	USD
	PIN silicon photodiodes with low noise JFET TI amplifier, integrated feedback resistor and capacitor, hermetical TO5 package with collimating glass lens, very low offset and drift parameters, dual supply voltage +/-5V up to +/-18V, operating temp.: -25° .. +85°C, RoHS and WEEE conformity		
		1-9 pcs.	1-9 pcs.
IQ800L , active area 4.8mm ² , transimpedance 100 MOhm, 35 us, 10 kHz, +/- 50 degree			
		79,00	84,73
IQ801L , active area 4.8mm ² , transimpedance 10 MOhm, 15 us, 25 kHz, +/- 50 degree			
		79,00	84,73
IQ802L , active area 4.8mm ² , transimpedance 1 MOhm, 3 us, 120 kHz, +/- 50 degree			
		79,00	84,73

Avalanche PD - SILICON


AVALANCHE PHOTODIODES SILICON		EUR	USD
	Silicon Avalanche Photodiode in SMD package for Range Finding Application, LIDAR - small package: 3.8x3.8x1.3mm ² - High sensitivity - high gain at low bias - fast response time, low noise		
		1-9 pcs.	1-9 pcs.
APD230-SMD , active area diameter 0.23 mm, tr,tf: 0.25ns, 1.5pF, 3030 SMD package			
		19,80	21,24
APD230-LCC , active area diameter 0.23 mm, tr,tf: 0.25ns, 1.5pF, LCC6 package			
		22,80	24,45
APD500-LCC , active area diameter 0.5 mm, tr,tf: 0.6ns, 1.2pF, LCC6 package			
		24,30	26,06
APD500-TO52 , active area diameter 0.5 mm, tr,tf: 0.6ns, 1.2pF, TO52 package			
		33,10	35,50

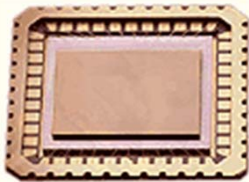


APD500-TO52F, active area diameter 0.5 mm, tr,tf: 0.6ns, 1.2pF, TO52, narrowband filter	39,00	41,83
PHOTO TRANSISTORS SILICON	EUR	USD
SPT36-05, chip size 0.8 x 0.8 mm ² , 5 mm epoxy, flat, photo current typ. 4 mA, +/-40°	2,65	2,84
SPT36-33, chip size 0.8 x 0.8 mm ² , 3 mm epoxy, photo current typ. 7 mA, +/-25°	2,65	2,84
SPT64-33, chip size 1.0 x 1.0 mm ² , 3 mm epoxy, photo current typ. 10 mA, +/-25°	1,77	1,90

PD - SELECTIVE



SELECTIVE PHOTODIODES	EUR	USD
 <p>wavelength selective photodiodes based on GaP, no interference filter or color glass filter used, photodiodes are intrinsic wavelength selective</p>	1-9 pcs.	1-9 pcs.
EPD-470-5-0.5, 385-565 nm , active area 0.17 mm ² , 5 mm epoxy	12,90	13,83
EPD-470-1-0.9, 385-565 nm , active area 0.62 mm ² , SMD 1206	16,09	17,26
EPD-470-0-1.4, GaP, 50% at 420 - 520 nm , peak at 470 nm, active area 1.76 mm ² , TO-18	49,90	53,52
EPD-525-3-0.5, 500-600 nm , active area 0.17 mm ² , 3 mm epoxy	not available	not available
EPD-525-5/0.5, 410-580 nm , active area 0.17 mm ² , 5 mm epoxy	4,50	4,83
EPD-525-5-0.9, 410-580 nm , active area 0.62 mm ² , 5 mm epoxy	not available	not available
EPD-525-1-0.9, 410-580 nm , active area 0.62 mm ² , SMD 1206	7,00	7,51
EPD-525-0-1.4, 480-560 nm , peak at 525 nm, active area 1.79 mm ² , TO-18	not available	not available
EPD-525-0-2.5, 470-570 nm , peak at 525 nm, active area 5.8 mm ² , TO-39	79,90	85,69
EPD-660-3-0.5, 605-705 nm , active area 0.17 mm ² , 3 mm epoxy	not available	not available
EPD-660-5/0.5, 605-705 nm , active area 0.17 mm ² , 5 mm epoxy	not available	not available
EPD-660-5-0.9, 605-705 nm , active area 0.62 mm ² , 5 mm epoxy	8,70	9,33
EPD-660-1/0.4, red selective photodiode, peak 660 nm, SMD 1206	not available	not available
EPD-660-1/0.5, 605-705 nm , active area 0.17 mm ² , SMD 1206	not available	not available
EPD-660-1-0.9, 605-705 nm , active area 0.62 mm ² , SMD 1206	28,10	30,14
EPD-660-0-0.9, 605-705 nm , active area 0.62 mm ² , TO-18	not available	not available
EPD-740-5/0.4, IR-selective photodiode, 718 - 763 nm , 5 mm epoxy	not available	not available
EPD-740-1/0.4, IR-selective photodiode, 718 - 763 nm , SMD 1206	not available	not available
EPD-740-1/0.5, IR-selective photodiode, 718 - 763 nm , SMD 1206	not available	not available
EPD-740-0-2.5, 650-820 nm , active area 5.8 mm ² , TO-39	36,00	38,61
EPD-880-3-0.9, 800-960 nm , active area 0.62 mm ² , 3 mm epoxy	not available	not available
EPD-880-5/0.5, IR-selective photodiode, 800 - 960 nm , 5 mm epoxy	7,00	7,51
EPD-880-5-0.9, 800-960 nm , active area 0.62 mm ² , 5 mm epoxy	7,00	7,51
EPD-880-1-0.9, 880-960 nm , active area 0.62 mm ² , SMD 1206	7,00	7,51
EPD-880-0-1.4, GaAs, 50% at 800 - 960 nm , peak at 890 nm, TO-18	not available	not available
EPD-1300-5-0.3, 800-1750 nm , active area Ø300 µm, 5 mm epoxy	33,00	35,39
EPD-1300-0-0.5, 850-1700 nm , active area 0.196 mm ² , TO-18	not available	not available
EPD-1300-0-3.0, 800-1700 nm , active area 7 mm ² , TO-39	225,00	241,31


PD - InGaAs




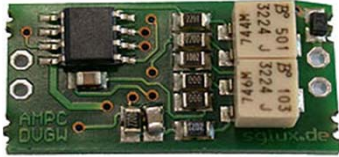
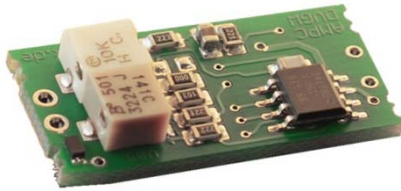


GaAs, InGaAs, InAsP PHOTODIODES	EUR	USD
 <p>InGaAs, GaAs and InAsP photodiodes diverse packages chip die available on request</p>	1-9 pcs.	1-9 pcs.
LAPD-1-09-17-TO46, InGaAs PIN, 0.9 - 1.7 µm, 1 mm Ø round sensor area, TO-46	46,00	49,33
LAPD-1-09-17-LCC, InGaAs PIN, 0.9 - 1.7 µm, 1 mm Ø round sensor area, 6LCC	46,00	49,33
LAPD-1-06-17-TO46, InGaAs PIN, 0.6 - 1.7 µm, 1 mm Ø round sensor area, TO-46	59,90	64,24
LAPD-1-06-17-LCC, InGaAs PIN, 0.6 - 1.7 µm, 1 mm Ø round sensor area, 6LCC	59,90	64,24
LAPD-2-09-17-TO39, InGaAs PIN, 0.9 - 1.7 µm, 2 mm Ø round sensor area, TO-39	152,00	163,02
LAPD-2-09-17-LCC, InGaAs, 0.9 - 1.7 µm, 2 mm Ø round sensor area, 8LCC	152,00	163,02
LAPD-2-06-17-TO39, InGaAs PIN, 0.6 - 1.7 µm, 2 mm Ø round sensor area, TO-39	197,00	211,28
LAPD-2-06-17-LCC, InGaAs PIN, 0.6 - 1.7 µm, 2 mm Ø round sensor area, 8LCC	197,00	211,28

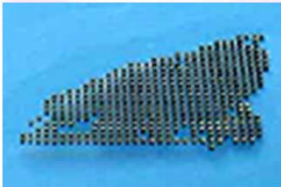
LAPD-3-09-17-TO39, InGaAs PIN, 0.9 - 1.7 μm , 3 mm \varnothing round sensor area, TO-39	425,00	455,80
LAPD-3-09-17-LCC, InGaAs, 0.9 - 1.7 μm , 3 mm \varnothing round sensor area, 8LCC	425,00	455,80
IPD14-12-5T-2, InGaAs PIN, 0.12 mm ² , 1.0 - 1.6 μm , TO-18, tr:10ns, tf:5ns	15,46	16,58
PT409, InGaAs PIN, 1.0 - 1.65 μm , \varnothing 75 μm area, 3dBm, TO-46, flat window	17,20	18,45
PT410, InGaAs PIN, 1.0 - 1.65 μm , \varnothing 75 μm area, 10dBm, TO-46, flat window	19,05	20,43
PT511-2, InGaAs PIN 1.0 - 1.65 μm , \varnothing 300 μm area, 10dBm, TO-46, flat window	15,30	16,41
PT511B, InGaAs PIN 1.0 - 1.65 μm , \varnothing 300 μm area, 10dBm, TO-46, ball lens	20,95	22,47
PT512, InGaAs PIN 1.0 - 1.65 μm , \varnothing 300 μm area, 20dBm, TO-46, flat window	25,90	27,78
PT512B, InGaAs PIN 1.0 - 1.65 μm , \varnothing 300 μm area, 20dBm, TO-46, ball lens	25,90	27,78
PT521, InGaAs PIN 0.5 - 1.65 μm , \varnothing 300 μm area, 10dBm, TO-46, flat window	28,65	30,73
PT611, InGaAs PIN 1.0 - 1.65 μm , \varnothing 1 mm area, 10dBm, TO-46, flat window	81,00	86,87
PT711, InGaAs PIN 1.0 - 1.65 μm , \varnothing 2 mm area, 10dBm, TO-5, ball lens	245,00	262,76
PT811-2, InGaAs PIN 1.0 - 1.65 μm , \varnothing 3 mm area, 10dBm, TO-5, ball lens	358,10	384,06
InGaAs PIN PHOTODIODES with FC connector	EUR	USD
PF511, 1.0 - 1.65 μm , \varnothing 300 μm area, 10 dBm, GRIN lens, FC connector	92,38	99,08
PF512, 1.0 - 1.65 μm , \varnothing 300 μm area, 20 dBm, ball lens, FC connector	93,45	100,22
PF513, 1.0 - 1.65 μm , \varnothing 300 μm area, 30 dBm, GRIN lens, FC connector	95,24	102,14
PF521, 0.5 - 1.7 μm , \varnothing 300 μm area, 10 dBm, GRIN lens, FC connector	75,13	80,58
PF611, 1.0 - 1.65 μm , \varnothing 1 mm area, 10 dBm, GRIN lens, FC connector	150,95	161,89
PF711, 1.0 - 1.65 μm , \varnothing 2 mm area, 10 dBm, FC connector	263,00	282,06
PF811-2, 1.0 - 1.65 μm , \varnothing 3 mm area, 10 dBm, FC connector	378,20	405,61
FIBERCOUPLED InGaAs PIN PHOTODIODES	EUR	USD
PD-1375-ip, InGaAs PIN, 1100-1600 nm , sm, FC	98,44	105,57
PD - InGaAs FOCAL PLANE ARRAYS		
FOCAL PLANE InGaAs ARRAYS	EUR	USD
 <p>two-dimensional InGaAs array 320 x 256 pixels, high sensitivity in the near infrared, extremely low noise, high dynamic range, room temperature operation, wavelength range 900 - 1700 nm, pixel width: 30 μm, responsivity 0.8 A/W, quantum efficiency >70%</p>	1-4 pcs.	1-4 pcs.
FPA320x256-980, InGaAs, 320x256, 10 MHz, 0.9-1.7 μm , LCC, ARC wind., 98% oper.	6.117,00	6.560,36
FPA320x256-990, InGaAs, 320x256, 10 MHz, 0.9-1.7 μm , LCC, ARC wind., 99% oper.	8.667,00	9.295,18
FPA320x256-999, InGaAs, 320x256, 10 MHz, 0.9-1.7 μm , LCC, ARC wind., 99.9% oper.	9.177,00	9.842,15
FPA320x256-100, InGaAs, 320x256, 10 MHz, 0.9-1.7 μm , LCC, ARC wind., >99.95% oper.	10.196,00	10.935,01
PD - MID-IR		
MID-IR PHOTORESISTORS TO-5	EUR	USD
 <p>MID-IR photoresistors in TO-5 package, chip die available on request</p>	1-5 pcs.	1-5 pcs.
PR43, 1.0 - 4.4 μm , tr,tf: 5 μs , 200-500 V/W, 2.0 x 1.8 mm ² , TO-5	168,00	180,18
MID-IR PHOTODIODES TO-39 PACKAGE WITH IMMERSION LENS	EUR	USD
 <p>MID-IR photodiodes in TO-39 package with integrated Si or CdSb immersion lens</p>	1-5 pcs.	1-5 pcs.
IR-PD 3.0, 3.0-3.2 μm , 0.2 A/W, InAs, TO-39 with 3.5 mm immersion lens	210,83	226,11
MID-IR PHOTODIODES TO-18	EUR	USD

 <p>MID-IR photodiodes in TO-18 and TO-5 package chip die available on request</p>		
	1-5 pcs.	1-5 pcs.
PD24-02, 1.2 - 2.4 μm , 0.2 mm, 0.9 - 1.1 A/W, 2 - 6 μA , TO-18	112,00	120,12
PD24-03, 1.0 - 2.4 μm , 0.3 mm, 0.7 - 1.0 A/W, 10 - 60 μA , TO-18	89,60	96,09
PD24-05, 1.0 - 2.4 μm , 0.5 mm, 0.9 - 1.1 A/W, 10 - 100 μA , TO-18	162,40	174,17
PD24-10, 1.0 - 2.4 μm , 1.0 mm, 0.8 - 0.9 A/W, 100 - 300 μA , TO-18	246,40	264,26
PD24-20, 1.2 - 2.4 μm , 2.0 mm, 0.9 - 1.1 A/W, 150 - 400 μA , TO-18	501,20	537,53
PD24-28, 1.2 - 2.4 μm , 2.8 mm, TO-5	900,00	965,23
PD25-03, 1.3 - 2.5 μm , 0.3 mm, TO-18	131,60	141,14
PD25-05, 1.3 - 2.5 μm , 0.5 mm, TO-18	173,60	186,18
PD25-10, 1.3 - 2.5 μm , 1.0 mm, TO-18	322,00	345,34
PD36-01, 1.5 - 3.8 μm , 0.1 mm, 0.9 - 1.0 A/W, 200 - 600 μA , TO-18	154,00	165,16
PD36-02, 1.5 - 3.8 μm , 0.2 mm, 1.0 - 1.2 A/W, 250 - 700 μA , TO-18	128,80	138,14
PD36-03, 3.0 - 3.7 μm , 0.3 mm, 0.75 - 1.1 A/W, 200 - 600 μA , TO-18	78,40	84,08
PD36WS-03, 1.8 - 3.8 μm , 0.3 mm, 0.75 - 0.8 A/W, 50 - 600 μA , TO-18	78,40	84,08
PD36-05, 1.8 - 3.6 μm , 0.5 mm, 1.0 - 1.5 A/W, 50 - 1000 μA , TO-18	128,80	138,14
PD36-10, 1.5 - 3.8 μm , 1.0 mm, 1.0 - 1.2 A/W, 800 - 1700 μA , TO-18	425,60	456,45
PD36-20, 1.5 - 3.8 μm , 2.0 mm TO-18	680,40	729,72
PD43-03, 3.0 - 4.6 μm , 0.3 mm, 0.8 - 1.2 A/W, 1 - 6 mA, TO-18	89,60	96,09
PD43-05, 2.6 - 4.6 μm , 0.5 mm, 1.0 - 1.6 A/W, 8 - 25 mA, TO-18	151,20	162,16
PD48-03, 2.5 - 4.9 μm , 0.3 mm, 0.6 - 0.8 A/W, 0.6 - 1.2 mA, TO-18	201,60	216,21
PD48WS-05, 0.8 - 4.8 μm , 0.5 mm, 0.6 - 0.8 A/W, 1.0 - 3.0 mA, TO-18	257,60	276,27
Parabolic Reflector, metal reflector for TO-18 LED	10,00	10,72
MID-IR PHOTODIODES TO-18 with parabolic reflector (PR)	EUR	USD
 <p>MID-IR photodiodes in TO-18 and TO-5 package with parabolic reflector chip die available on request</p>		
	1-5 pcs.	1-5 pcs.
PD24-01-PR, 1.2 - 2.4 μm , 0.1 mm, 0.9 - 1.1 A/W, 0.7 - 4.0 μA , TO-18, parabolic reflector	184,80	198,19
PD24-02-PR, 1.2 - 2.4 μm , 0.2 mm, 0.9 - 1.1 A/W, 2 - 6 μA , TO-18, parabolic reflector	117,60	126,12
PD24-03-PR, 1.0 - 2.4 μm , 0.3 mm, 0.7 - 1.0 A/W, 10 - 60 μA , TO-18, parabolic reflector	100,80	108,11
PD24-05-PR, 1.0 - 2.4 μm , 0.5 mm, 0.9 - 1.1 A/W, 10 - 100 μA , TO-18, parabolic reflector	173,60	186,18
PD24-10-PR, 1.0 - 2.4 μm , 1.0 mm, 0.8 - 0.9 A/W, 100 - 300 μA , TO-18, parabolic reflector	257,60	276,27
PD25-03-PR, 1.3 - 2.5 μm , 0.3 mm, TO-18, parabolic reflector	140,00	150,15
PD25-05-PR, 1.3 - 2.5 μm , 0.5 mm, TO-18, parabolic reflector	182,00	195,19
PD25-10-PR, 1.3 - 2.5 μm , 1.0 mm, TO-18, parabolic reflector	327,60	351,34
PD36-01-PR, 1.5 - 3.8 μm , 0.1 mm, 0.9 - 1.0 A/W, 200 - 600 μA , TO-18, parabolic reflector	159,60	171,17
PD36-02-PR, 1.5 - 3.8 μm , 0.2 mm, 1.0 - 1.2 A/W, 250 - 700 μA , TO-18, parabolic reflector	137,20	147,14
PD36-03-PR, 3.0 - 3.7 μm , 0.3 mm, 0.75 - 1.1 A/W, 200 - 600 μA , TO-18, parabolic reflector	89,60	96,09
PD36WS-03-PR, 1.8 - 3.8 μm , 0.3 mm, 0.75 - 0.8 A/W, 50 - 600 μA , TO-18, parabolic reflector	89,60	96,09
PD36-05-PR, 1.8 - 3.6 μm , 0.5 mm, 1.0 - 1.5 A/W, 50 - 1000 μA , TO-18, parabolic reflector	140,00	150,15
PD36-10-PR, 1.5 - 3.8 μm , 1.0 mm, 1.0 - 1.2 A/W, 800 - 1700 μA , TO-18, parabolic reflector	434,00	465,46
PD43-03-PR, 3.0 - 4.6 μm , 0.3 mm, 0.8 - 1.2 A/W, 1 - 4 mA, TO-18, parabolic reflector	100,80	108,11
PD43-05-PR, 2.6 - 4.6 μm , 0.5 mm, 1.0 - 1.6 A/W, 8 - 25 mA, TO-18, parabolic reflector	162,40	174,17
PD48-03-PR, 2.5 - 4.9 μm , 0.3 mm, 0.6 - 0.8 A/W, 0.6 - 1.2 mA, TO-18, parabolic reflector	210,00	225,22
PD48WS-05-PR, 0.8 - 4.8 μm , 0.5 mm, 0.6 - 0.8 A/W, 1.0 - 3.0 mA, TO-18, parabolic reflector	266,00	285,28
MID-IR PHOTODIODES TO-18 with parabolic reflector & window (PR-WIN)	EUR	USD
 <p>MID-IR photodiodes in TO-18 and TO-5 package with parabolic reflector and window chip die available on request</p>		
	1-5 pcs.	1-5 pcs.


PD24-01-PR-WIN, 1.2 - 2.4 μm , 0.1 mm, 0.9 - 1.1 A/W, 0.7 - 4.0 μA , TO-18, parab. refl., wind.	193,20	207,20
PD24-02-PR-WIN, 1.2 - 2.4 μm , 0.2 mm, 0.9 - 1.1 A/W, 2 - 6 μA , TO-18, parab. refl., wind.	128,80	138,14
PD24-03-PR-WIN, 1.0 - 2.4 μm , 0.3 mm, 0.7 - 1.0 A/W, 10 - 60 μA , TO-18, parab. refl., wind.	117,60	126,12
PD24-05-PR-WIN, 1.0 - 2.4 μm , 0.5 mm, 0.9 - 1.1 A/W, 10 - 100 μA , TO-18, parab. refl., wind.	190,40	204,20
PD24-10-PR-WIN, 1.0 - 2.4 μm , 1.0 mm, 0.8 - 0.9 A/W, 100 - 300 μA , TO-18, parab. refl., wind.	274,40	294,29
PD25-03-PR-WIN, 1.3 - 2.5 μm , 0.3 mm, TO-18, parab. refl., wind.	145,60	156,15
PD25-05-PR-WIN, 1.3 - 2.5 μm , 0.5 mm, TO-18, parab. refl., wind.	193,20	207,20
PD25-10-PR-WIN, 1.3 - 2.5 μm , 1.0 mm, TO-18, parab. refl., wind.	336,00	360,35
PD36-01-PR-WIN, 1.5 - 3.8 μm , 0.1 mm, 0.9 - 1.0 A/W, 200 - 600 μA , TO-18, parab. refl., wind.	168,00	180,18
PD36-02-PR-WIN, 1.5 - 3.8 μm , 0.2 mm, 1.0 - 1.2 A/W, 250 - 700 μA , TO-18, parab. refl., wind.	142,80	153,15
PD36-03-PR-WIN, 3.0 - 3.7 μm , 0.3 mm, 0.75 - 1.1 A/W, 200 - 600 μA , TO-18, parab. refl., wind.	106,40	114,11
PD36WS-03-PR-WIN, 1.8 - 3.8 μm , 0.3 mm, 0.75 - 0.8 A/W, 50 - 600 μA , TO-18, parab. refl., wind.	106,40	114,11
PD36-05-PR-WIN, 1.8 - 3.6 μm , 0.5 mm, 1.0 - 1.5 A/W, 50 - 1000 μA , TO-18, parab. refl., wind.	156,80	168,16
PD36-10-PR-WIN, 1.5 - 3.8 μm , 1.0 mm, 1.0 - 1.2 A/W, 800 - 1700 μA , TO-18, parab. refl., wind.	439,60	471,46
PD43-03-PR-WIN, 3.0 - 4.6 μm , 0.3 mm, 0.8 - 1.2 A/W, 1 - 4 mA, TO-18, parab. refl., wind.	156,80	168,16
PD43-05-PR-WIN, 2.6 - 4.6 μm , 0.5 mm, 1.0 - 1.6 A/W, 8 - 25 mA, TO-18, parab. refl., wind.	218,40	234,23
PD48-03-PR-WIN, 2.5 - 4.9 μm , 0.3 mm, 0.6 - 0.8 A/W, 0.6 - 1.2 mA, TO-18, parab. refl., wind.	218,40	234,23
PD48WS-05-PR-WIN, 0.8 - 4.8 μm , 0.5 mm, 0.6 - 0.8 A/W, 1.0 - 3.0 mA, TO-18, parab. refl., wind.	274,40	294,29
MID-IR PHOTODIODES TO-5 with thermoelectric cooler	EUR	USD
 <p>MID-IR photodiodes in TO-5 package with thermoelectric cooler (TEC)</p> <p>chip die available on request</p>	1-5 pcs.	1-5 pcs.
PD24-01-TEC, 1.2 - 2.4 μm , 0.1 mm, 0.9 - 1.1 A/W, 0.7 - 4.0 μA , TO-5, thermocooler	271,60	291,29
PD24-02-TEC, 1.2 - 2.4 μm , 0.2 mm, 0.9 - 1.1 A/W, 2 - 6 μA , TO-5, thermocooler	196,00	210,21
PD24-03-TEC, 1.0 - 2.4 μm , 0.3 mm, 0.7 - 1.0 A/W, 10 - 60 μA , TO-5, thermocooler	224,00	240,24
PD24-05-TEC, 1.0 - 2.4 μm , 0.5 mm, 0.9 - 1.1 A/W, 10 - 100 μA , TO-5, thermocooler	296,80	318,31
PD24-10-TEC, 1.0 - 2.4 μm , 1.0 mm, 0.8 - 0.9 A/W, 100 - 300 μA , TO-5, thermocooler	380,80	408,40
PD24-20-TEC, 1.2 - 2.4 μm , 2.0 mm, 0.9 - 1.1 A/W, 150 - 400 μA , TO-5, thermocooler	590,80	633,62
PD25-03-TEC, 1.3 - 2.5 μm , 0.3 mm, TO-5, thermocooler	221,20	237,23
PD25-05-TEC, 1.3 - 2.5 μm , 0.5 mm, TO-5, thermocooler	266,00	285,28
PD25-10-TEC, 1.3 - 2.5 μm , 1.0 mm, TO-5, thermocooler	408,80	438,43
PD36-01-TEC, 1.5 - 3.8 μm , 0.1 mm, 0.9 - 1.0 A/W, 200 - 600 μA , TO-5, thermocooler	238,00	255,25
PD36-02-TEC, 1.5 - 3.8 μm , 0.2 mm, 1.0 - 1.2 A/W, 250 - 700 μA , TO-5, thermocooler	215,60	231,23
PD36-03-TEC, 3.0 - 3.7 μm , 0.3 mm, 0.75 - 1.1 A/W, 200 - 600 μA , TO-5, thermocooler	212,80	228,22
PD36WS-03-TEC, 1.8 - 3.8 μm , 0.3 mm, 0.75 - 0.8 A/W, 50 - 600 μA , TO-5, thermocooler	212,80	228,22
PD36-05-TEC, 1.8 - 3.6 μm , 0.5 mm, 1.0 - 1.5 A/W, 50 - 1000 μA , TO-5, thermocooler	263,20	282,28
PD36-10-TEC, 1.5 - 3.8 μm , 1.0 mm, 1.0 - 1.2 A/W, 800 - 1700 μA , TO-5, thermocooler	509,60	546,54
PD36-20-TEC, 1.5 - 3.8 μm , 2.0 mm TO-5, thermocooler	770,00	825,81
PD43-03-TEC, 3.0 - 4.6 μm , 0.3 mm, 0.8 - 1.2 A/W, 1 - 4 mA, TO-5, thermocooler	302,40	324,32
PD43-05-TEC, 2.6 - 4.6 μm , 0.5 mm, 1.0 - 1.6 A/W, 8 - 25 mA, TO-5, thermocooler	364,00	390,38
PD48-03-TEC, 2.5 - 4.9 μm , 0.3 mm, 0.6 - 0.8 A/W, 0.6 - 1.2 mA, TO-5, thermocooler	294,00	315,31
PD48WS-05-TEC, 0.8 - 4.8 μm , 0.5 mm, 0.6 - 0.8 A/W, 1.0 - 3.0 mA, TO-5, thermocooler	350,00	375,37
MID-IR PHOTODIODES with cooler and parabolic reflector	EUR	USD
 <p>MID-IR photodiodes in TO-5 package with thermoelectric cooler (TEC) and parabolic reflector (PR)</p> <p>chip die available on request</p>	1-5 pcs.	1-5 pcs.
PD24-01-TEC-PR, 1.2 - 2.4 μm , 0.1 mm, 0.9 - 1.1 A/W, 0.7 - 4.0 μA , TO-5, parab. refl., TEC	285,60	306,30
PD24-02-TEC-PR, 1.2 - 2.4 μm , 0.2 mm, 0.9 - 1.1 A/W, 2 - 6 μA , TO-5, parab. refl., TEC	210,00	225,22
PD24-03-TEC-PR, 1.0 - 2.4 μm , 0.3 mm, 0.7 - 1.0 A/W, 10 - 60 μA , TO-5, parab. refl., TEC	235,20	252,25
PD24-05-TEC-PR, 1.0 - 2.4 μm , 0.5 mm, 0.9 - 1.1 A/W, 10 - 100 μA , TO-5, parab. refl., TEC	308,00	330,32
PD24-10-TEC-PR, 1.0 - 2.4 μm , 1.0 mm, 0.8 - 0.9 A/W, 100 - 300 μA , TO-5, parab. refl., TEC	392,00	420,41
PD24-20-TEC-PR, 1.2 - 2.4 μm , 2.0 mm, 0.9 - 1.1 A/W, 150 - 400 μA , TO-5, parab. refl., TEC	602,00	645,63
PD25-03-TEC-PR, 1.3 - 2.5 μm , 0.3 mm, TO-5, parab. refl., TEC	235,20	252,25
PD25-05-TEC-PR, 1.3 - 2.5 μm , 0.5 mm, TO-5, parab. refl., TEC	280,00	300,29

PD25-10-TEC-PR, 1.3 - 2.5 μm , 1.0 mm, TO-5, parab. refl., TEC	422,80	453,44
PD36-01-TEC-PR, 1.5 - 3.8 μm , 0.1 mm, 0.9 - 1.0 A/W, 200 - 600 μA , TO-5, parab. refl., TEC	252,00	270,26
PD36-02-TEC-PR, 1.5 - 3.8 μm , 0.2 mm, 1.0 - 1.2 A/W, 250 - 700 μA , TO-5, parab. refl., TEC	229,60	246,24
PD36-03-TEC-PR, 3.0 - 3.7 μm , 0.3 mm, 0.75 - 1.1 A/W, 200 - 600 μA , TO-5, parab. refl., TEC	224,00	240,24
PD36WS-03-TEC-PR, 1.8 - 3.8 μm , 0.3 mm, 0.75 - 0.8 A/W, 50 - 600 μA , TO-5, parab.refl., TEC	224,00	240,24
PD36-05-TEC-PR, 1.8 - 3.6 μm , 0.5 mm, 1.0 - 1.5 A/W, 50 - 1000 μA , TO-5, parab. refl., TEC	274,40	294,29
PD36-10-TEC-PR, 1.5 - 3.8 μm , 1.0 mm, 1.0 - 1.2 A/W, 800 - 1700 μA , TO-5, parab. refl., TEC	523,60	561,55
PD36-20-TEC-PR, 1.5 - 3.8 μm , 2.0 mm TO-5, parab. refl., TEC	781,20	837,82
PD43-03-TEC-PR, 3.0 - 4.6 μm , 0.3 mm, 0.8 - 1.2 A/W, 1 - 4 mA, TO-5, parab. refl., TEC	313,60	336,33
PD43-05-TEC-PR, 2.6 - 4.6 μm , 0.5 mm, 1.0 - 1.6 A/W, 8 - 25 mA, TO-5, parab. refl., TEC	375,20	402,39
PD48-03-TEC-PR, 2.5 - 4.9 μm , 0.3 mm, 0.6 - 0.8 A/W, 0.6 - 1.2 mA, TO-5, parab. refl., TEC	310,80	333,33
PD48WS-05-TEC-PR, 0.8 - 4.8 μm , 0.5 mm, 0.6 - 0.8 A/W, 1.0 - 3.0 mA, TO-5, parab. refl., TEC	361,20	387,38
MID-IR PHOTODIODE WITH INTEGRATED PREAMPLIFIER	EUR	USD
 <p>MID-IR photodiode in tube package with and integrated preamplifier (AMP) additional option: - window (W) - parabolic reflector (P) - thermocooler and thermoresistor (T)</p>	1-5 pcs.	1-5 pcs.
PD24-03P-AMP, 1.85 - 2.30 μm , 0.3 mm, parabolic reflector, preamplifier, $\varnothing 12 \times 50$ mm tube	187,60	201,20
PD24-03PW-AMP, 1.85 - 2.30 μm , 0.3 mm, parab. refl, wind., preamplifier, $\varnothing 12 \times 50$ mm tube	204,40	219,21
PD24-03TW-AMP, 1.85 - 2.30 μm , 0.3 mm, TEC, wind., preamplifier, $\varnothing 12 \times 50$ mm tube	341,60	366,36
PD24-03TPW-AMP, 1.85 - 2.30 μm , 0.3 mm, TEC, parab. refl, wind., preamp., $\varnothing 12 \times 50$ mm tube	352,80	378,37
PD24-05P-AMP, 1.1 - 2.3 μm , 0.5 mm, parabolic reflector, preamplifier, $\varnothing 12 \times 50$ mm tube	260,40	279,27
PD24-05PW-AMP, 1.1 - 2.3 μm , 0.5 mm, parab. refl, wind., preamplifier, $\varnothing 12 \times 50$ mm tube	277,20	297,29
PD24-05TW-AMP, 1.1 - 2.3 μm , 0.5 mm, TEC, wind., preamplifier, $\varnothing 12 \times 50$ mm tube	414,40	444,44
PD24-05TPW-AMP, 1.1 - 2.3 μm , 0.5 mm, TEC, parab. refl, wind., preamp., $\varnothing 12 \times 50$ mm tube	425,60	456,45
PD24-10P-AMP, 1.4 - 2.2 μm , 1 mm, parabolic reflector, preamplifier, $\varnothing 12 \times 50$ mm tube	355,60	381,37
PD24-10PW-AMP, 1.4 - 2.2 μm , 1 mm, parab. refl, wind., preamplifier, $\varnothing 12 \times 50$ mm tube	372,40	399,39
PD24-10TW-AMP, 1.4 - 2.2 μm , 1 mm, TEC, wind., preamplifier, $\varnothing 12 \times 50$ mm tube	498,40	534,52
PD24-10TPW-AMP, 1.4 - 2.2 μm , 1 mm, TEC, parab. refl, wind., preamp., $\varnothing 12 \times 50$ mm tube	509,60	546,54
PD36-03P-AMP, 3.2 - 3.4 μm , 0.3 mm, parabolic reflector, preamplifier, $\varnothing 12 \times 50$ mm tube	187,60	201,20
PD36-03PW-AMP, 3.2 - 3.4 μm , 0.3 mm, parab. refl, wind., preamplifier, $\varnothing 12 \times 50$ mm tube	204,40	219,21
PD36-03TW-AMP, 3.2 - 3.4 μm , 0.3 mm, TEC, wind., preamplifier, $\varnothing 12 \times 50$ mm tube	330,40	354,35
PD36-03TPW-AMP, 3.2 - 3.4 μm , 0.3 mm, TEC, parab. refl, wind., preamp., $\varnothing 12 \times 50$ mm tube	341,60	366,36
PD36-S03P-AMP, 2.4 - 3.1 μm , 0.3 mm, parabolic reflector, preamplifier, $\varnothing 12 \times 50$ mm tube	187,60	201,20
PD36-S03PW-AMP, 2.4 - 3.1 μm , 0.3 mm, parab. refl, wind., preamplifier, $\varnothing 12 \times 50$ mm tube	204,40	219,21
PD36-S03TW-AMP, 2.4 - 3.1 μm , 0.3 mm, TEC, wind., preamplifier, $\varnothing 12 \times 50$ mm tube	330,40	354,35
PD36-S03TPW-AMP, 2.4 - 3.1 μm , 0.3 mm, TEC, parab. refl, wind., preamp., $\varnothing 12 \times 50$ mm tube	341,60	366,36
PD36-05P-AMP, 2.2 - 3.4 μm , 0.5 mm, parabolic reflector, preamplifier, $\varnothing 12 \times 50$ mm tube	260,40	279,27
PD36-05PW-AMP, 2.2 - 3.4 μm , 0.5 mm, parab. refl, wind., preamplifier, $\varnothing 12 \times 50$ mm tube	277,20	297,29
PD36-05TW-AMP, 2.2 - 3.4 μm , 0.5 mm, TEC, wind., preamplifier, $\varnothing 12 \times 50$ mm tube	380,80	408,40
PD36-05TPW-AMP, 2.2 - 3.4 μm , 0.5 mm, TEC, parab. refl, wind., preamp., $\varnothing 12 \times 50$ mm tube	392,00	420,41
PD43-03P-AMP, 3.6 - 4.1 μm , 0.3 mm, parabolic reflector, preamplifier, $\varnothing 12 \times 50$ mm tube	187,60	201,20
PD43-03PW-AMP, 3.6 - 4.1 μm , 0.3 mm, parab. refl, wind., preamplifier, $\varnothing 12 \times 50$ mm tube	243,60	261,26
PD43-03TW-AMP, 3.6 - 4.1 μm , 0.3 mm, TEC, wind., preamplifier, $\varnothing 12 \times 50$ mm tube	420,00	450,44
PD43-03TPW-AMP, 3.6 - 4.1 μm , 0.3 mm, TEC, parab. refl, wind., preamp., $\varnothing 12 \times 50$ mm tube	431,20	462,45
PD43-05P-AMP, 3.5 - 4.2 μm , 0.5 mm, parabolic reflector, preamplifier, $\varnothing 12 \times 50$ mm tube	260,40	279,27
PD43-05PW-AMP, 3.5 - 4.2 μm , 0.5 mm, parab. refl, wind., preamplifier, $\varnothing 12 \times 50$ mm tube	316,40	339,33
PD43-05TW-AMP, 3.5 - 4.2 μm , 0.5 mm, TEC, wind., preamplifier, $\varnothing 12 \times 50$ mm tube	481,60	516,51
PD43-05TPW-AMP, 3.5 - 4.2 μm , 0.5 mm, TEC, parab. refl, wind., preamp., $\varnothing 12 \times 50$ mm tube	492,80	528,52
PD - SYNCHRONOUS DETECTOR		
SYNCHRONOUS DETECTOR FOR MID-IR PHOTODIODES with AMP (PDxx-yy-AMP-TEC)	EUR	USD


	<p>Synchronous detector for Mid-IR PDs with AMP measures the voltage signal of AMP and converts it to DC voltage signal proportional to the amplitude of input voltage</p> <ul style="list-style-type: none"> - 3 independent channels - built-in power supply for AMP 	1-9 pcs.	1-9 pcs.
PCB-sdetect-3P , measure and convert PD AMP signal, pulsed mode, 3 channels, 12 VDC		96,25	103,23
PD - AMPLIFIERS			
AMPLIFIERS FOR PHOTODIODES, PCB		EUR	USD
	<p>Multiboard: high gain and low noise general purpose photodiode preamplifier board</p>	1-9 pcs.	1-9 pcs.
Multiboard , general purpose photodiode amplifier board, 2 channels, +/--+/-24 VDC		104,00	111,54
	<p>Digiboard: high gain and low noise general purpose photodiode preamplifier board with digital and analog output</p>	1-9 pcs.	1-9 pcs.
Digiboard , general purpose photodiode amplifier board, 2 channels, 5-18 VDC		176,00	188,76
	<p>AMPCON 4-20: photodiode current amplifier converts input current from 0 ... 2,5 μA to 4 ... 20 mA output current. PCB size: 13 x 26 x 8 mm, supply voltage 10..24 VDC, adjustable offset and gain</p>	1-9 pcs.	1-9 pcs.
AMPCON 4-20 , general purpose photodiode current converter 0..2,5 μ A to 4..20 mA		78,00	83,65
	<p>VOLTCON 0-5: photodiode voltage amplifier converts input current from 0 ... 5 μA to 0 ... 5 V output voltage. PCB size: 13 x 26 x 8 mm, supply voltage 7..24 VDC, adjustable gain</p>	1-9 pcs.	1-9 pcs.
VOLTCON 0-5 , general purpose photodiode voltage converter 0.5 μ A to 0.5 V		78,00	83,65
AMPLIFIERS FOR MID-IR PHOTODIODES		EUR	USD
	<p>Mini preamplifier for Mid-IR PDs works in photovoltaic mode: the board converts the amplified photodiode current into a voltage signal</p> <ul style="list-style-type: none"> - 1 channel 		
PCB-mpreamp , photovoltaic mode, supply voltage 5 VDC, 26 x 10 mm		70,00	75,07
	<p>Amplifier with integrated Synchrodectector for MID-IR photodiodes. Maximum Output \pm 4V for subsequent use with lock-in amplifiers, oscilloscopes or A/D converters. Signal output on LC display</p>	1-5 pcs.	1-5 pcs.
AM-07 , 0.5kHz-1MHz, max. 6.4.10 ⁶ V/A, for PDxx-yy series		350,00	375,37
AMT-07 , 0.5kHz-1MHz, max. 6.4.10 ⁶ V/A, TEC support, for PDxx-yy-TEC series		420,00	450,44
PD - BARE CHIP DIES			
355 nm - 1720 nm		EUR	USD

	Photodiode chip dies minimum order quantity 10 pcs. (MOQ) 410 nm - 1750 nm		
		10-99 pcs.	10-99 pcs.
PX410, InGaAs photodiode chip die, 1.0 - 1.65 μm , 75 μm active area (MOQ=10pcs)		3,85	4,13
PX511-2, InGaAs photodiode chip die, 1.0 - 1.65 μm , 300 μm active area (MOQ=10pcs)		7,60	8,15
PX611-2, InGaAs photodiode chip die, 1.0 - 1.65 μm , 1 mm active area		87,10	93,41
PX711, InGaAs photodiode chip die, 1.0 - 1.65 μm , 2 mm active area		336,08	360,44
LAPD-1-09-17-CHIP, InGaAs photodiode chip die, 1.0 - 1.7 μm , 1 mm area		25,96	27,84
LAPD-1-06-17-CHIP, InGaAs photodiode chip die, 0.6 - 1.7 μm , 1 mm area		39,02	41,84
LAPD-2-09-17-CHIP, InGaAs photodiode chip die, 1.0 - 1.7 μm , 2 mm area		52,55	56,36
LAPD-2-06-17-CHIP, InGaAs photodiode chip die, 0.6 - 1.7 μm , 2 mm area		78,83	84,54
LAPD-3-09-17-CHIP, InGaAs photodiode chip die, 1.0 - 1.7 μm , 3 mm area		168,97	181,21

THERMOPILES


THERMOPILE DETECTORS	EUR	USD
 <p>Thermopile sensors for IR temperature measurements, radiation monitoring, gas analysis</p> <ul style="list-style-type: none"> • hermetically sealed TO metal can package • high sensitivity • fast response time 	1-9 pcs.	1-9 pcs.
TS305-10C50, 5 - 14 μm , sensitive area 0.64mm ² , TO-5	6,60	7,08
TP336A, 5 - 14 μm , 85 V/W, sensitive area \varnothing 545 μm , TO-5, window \varnothing 2.6mm	4,98	5,34
TP336E, 5 - 14 μm , 85 V/W, sensitive area \varnothing 545 μm , TO-5, window \varnothing 3.8mm	4,98	5,34
TP339U, 5 - 14 μm , 85 V/W, sensitive area \varnothing 545 μm , TO-18, window \varnothing 3.0mm	4,98	5,34
TP339UG, 5 - 14 μm , 85 V/W, sensitive area \varnothing 545 μm , TO-18, window \varnothing 3.0mm	4,98	5,34

INTERFERENCE FILTERS



INTERFERENCE FILTERS	EUR	USD
 <p>easy to use glued crystal assembly for generating green high quality interference filters for many science and technical applications</p> <p>further wavelengths and sizes on request</p>	1-9 pcs.	1-9 pcs.
RLT-254-11-A, 254 nm, T >15%, size \varnothing 12.7 mm x 4.7 mm	77,80	83,44
RLT-330-10-A, 330 nm, T >30%, size \varnothing 12.7 mm x 6.6 mm	77,80	83,44
RLT-340-10-A, 340 nm, T >40%, size \varnothing 12.7 mm x 7.3 mm	109,90	117,87
RLT-365-12-A, 365 nm, T >40%, size \varnothing 12.7 mm x 6.3 mm	77,80	83,44
RLT-405-12-A, 405 nm, T >40%, size \varnothing 12.7 mm x 8.3 mm	77,80	83,44
RLT-436-12-A, 436 nm, T >45%, size \varnothing 12.7 mm x 6.6 mm	77,80	83,44
RLT-458-11-A, 458 nm, T >70%, size \varnothing 12.7 mm x 3.6 mm	134,90	144,68
RLT-488-10-A, 488 nm, T >70%, size \varnothing 12.7 mm x 3.6 mm	134,90	144,68
RLT-500-11-A, 500 nm, T >50%, size \varnothing 12.7 mm x 5.7 mm	134,90	144,68
RLT-514.5-11-A, 514.5 nm, T >70%, size \varnothing 12.7 mm x 5.7 mm	134,90	144,68
RLT-520-11-A, 511 nm, T >50%, size \varnothing 12.7 mm x 5.7 mm	77,80	83,44
RLT-532-10-A, 532 nm, T >70%, size \varnothing 12.7 mm x 5.8 mm	77,80	83,44
RLT-546-10-A, 546 nm, T >50%, size \varnothing 12.7 mm x 5.8 mm	77,80	83,44
RLT-589-10-A, 589 nm, T >60%, size \varnothing 12.7 mm x 5.3 mm	77,80	83,44
RLT-600-22-A, 600 nm, T >60%, size \varnothing 12.7 mm x 5.3 mm	77,80	83,44
RLT-620-12-A, 620 nm, T >60%, size \varnothing 12.7 mm x 5.3 mm	77,80	83,44
RLT-632.8-11-A, 632.8 nm, T >70%, size \varnothing 12.7 mm x 2.8 mm	77,80	83,44
RLT-635-11-A, 635 nm, T >70%, size \varnothing 12.7 mm x 2.8 mm	75,40	80,86
RLT-650-11-A, 650 nm, T >70%, size \varnothing 12.7 mm x 2.8 mm	75,40	80,86
RLT-655-25-A, 655 nm, T >70%, size \varnothing 12.7 mm x 2.8 mm	75,40	80,86
RLT-658-11-A, 658 nm, T >70%, size \varnothing 12.7 mm x 2.8 mm	75,40	80,86

RLT-660-11-A, 660 nm, T >70%, size Ø12.7 mm x 2.8 mm	75,40	80,86
RLT-670-11-A, 670 nm, T >70%, size Ø12.7 mm x 2.8 mm	o.f.	o.f.
RLT-670-25-A, 670 nm, T >70%, size Ø12.7 mm x 2.8 mm	75,40	80,86
RLT-680-11-A, 680 nm, T >70%, size Ø12.7 mm x 2.8 mm	75,40	80,86
RLT-690-11-A, 690 nm, T >70%, size Ø12.7 mm x 2.8 mm	75,40	80,86
RLT-780-11-A, 780 nm, T >70%, size Ø12.7 mm x 2.8 mm	75,40	80,86
RLT-785-27.5-A, 785 nm, T >70%, size Ø12.7 mm x 3.6 mm	134,90	144,68
RLT-790-12.5-A, 790 nm, T >70%, size Ø12.7 mm x 3.6 mm	134,90	144,68
RLT-850-25-A, 850 nm, T >70%, size Ø12.7 mm x 2.3 mm	77,80	83,44
RLT-905-34-A, 905 nm, T >70%, size Ø12.7 mm x 3.3 mm	77,80	83,44
RLT-1064-11-A, 1064 nm, T >70%, size Ø12.7 mm x 3.6 mm	79,00	84,73
RLT-x-y-A: x = center wavelength CWL, y = HW		




OPTICAL POWER METERS

COHERENT LASER POWER METERS AND SENSORS	EUR	USD
 <p>Coherent laser power and energy meters, sensors and accessories, for handheld operation and laboratory use</p>	1-9 pcs.	1-9 pcs.
LaserCheck, handheld laser power meter, 400..1064 nm, 0.5 µW up to 1 W	450,00	482,62
Fieldmate, laser power meter, analog and digital readout, AC/DC operation,	935,55	1.003,36
Fieldmax II P, laser energy meter, USB computer interface, LCD display	1.443,75	1.548,39
Fieldmax II TO, laser power meter, USB computer interface, LCD display	1.123,50	1.204,93
Fieldmax II TOP, laser energy and power meter, USB computer interface, LCD Display	1.657,95	1.778,12
Labmax TOP, laser energy and power meter, USB and RS232 interface, data logging	2.219,70	2.380,58
AC poweradapter	o.f.	o.f.
Fieldmate softcase	o.f.	o.f.
OP-2-IR, 800..1800 nm , max. power 10 mW, active area Ø 5 mm, resolution 1 nW	994,35	1.066,42
OP-2-VIS, 400..1060 nm , max. power 50 mW, active area Ø 7.9 mm, resolution 1 nW	710,85	762,37
OP-2-UV, 250..400 nm , max. power 30 mW, active area Ø 6 mm, resolution 1 nW	855,75	917,77
J-10MB-LE, 0.19..12 µm , 300nJ - 60µJ, active area Ø 10 mm, <1 khz	1.390,20	1.490,96
J-10MB-HE, 0.19..12 µm , 10µJ - 20mJ, active area Ø 10 mm, <1 khz	1.390,20	1.490,96
J-10MT-10KHZ, 0.3..2.1 µm , 100nJ - 200µJ, active area Ø 10 mm, <10 khz	1.614,90	1.731,95

FIBER CHECKERS

 <p>fiber optic fault locator made in germany compact design for field, industrial, and laboratory use many common connectors supported for single mode/multi mode fibers Dust cap, transport case, alkaline batteries included 3 different adapters available</p>	1-9 pcs.	1-9 pcs.
FIBERPOINT ET, 655nm, <1mW, 2.5mm, pulse & cw, 12 x 151 mm, 2 x AAA	95,00	101,89
FIBERPOINT 250MD, 635nm, <1mW, 2.5mm, pulse & cw, 12 x 67 mm, 2 x AAA	186,40	199,91
FP-adapter POF, for 1.5 and 2.2 mm polymer optical fibers, attenuation < 1 dB	27,23	29,20
FP-adapter SMA, for SMA 905 connector, attenuation < 1 dB	38,11	40,87
FP-adapter 2.5-1.25, for 1.25 mm connector LC, MU, F3000, attenuation < 1dB	41,40	44,40
OEM series	EUR	USD
 <p>fiber checker with visible laser diode source Available wavelength: 650 nm Universal connector for most ferrules pulse and cw- mode switchable Complete and ready to use with case</p>	1-9 pcs.	1-9 pcs.
OFC5-UM2-1, 650 nm, 1mW, pulse & cw, mm, 2.5 mm, 2 x AAA, not for sale in germany	94,50	101,35
FC-M2F1-U1, pluggable adapter for OFC5 fiber checker, 2.5 mm down to 1.25 mm	24,50	26,28
FCC-6512-5, 650 nm, 5mW, pulse & cw, mm, 2.5 mm, 2 x AAA, not for sale in germany	70,00	75,07

INFRARED SENSOR CARDS






INFRARED SENSOR CARDS	EUR	USD
 <p>universal IR sensor card type ISC-4-ALL for IR-light visualisation from 700 nm up to 1700 nm. Four extremely sensitive IR converting fields with each 19 x 19 mm² size. Card must be loaded with daylight or artificial light. Can be used at normal room light conditions due to highest ever noted efficiency and brightness.</p>	1-9 pcs.	1-9 pcs.
ISC-4-ALL, 700...1700 nm, extreme sensitive IR sensor card, 4 fields each 361 mm ²	93,00	99,74
 <p>infrared sensor cards for IR-light visualisation. Wavelength range 800 nm up to 1650 nm, sensor size: 30 x 50 mm²</p>	1-9 pcs.	1-9 pcs.
HT111-30x50, 808 nm, 940...990 nm, 1550 nm, active area = 15 cm ² , upconverting	29,90	32,07
HT582-30x50, 800...1400 nm, active area = 15 cm ² , light loadable	29,90	32,07
HT612-30x50, 800...1650 nm, active area = 15 cm ² , light loadable	29,90	32,07
 <p>infrared sensor cards for IR-light visualisation. Wavelength range 800 nm up to 1650 nm, sensor size 10 x 10 mm²</p>	1-9 pcs.	1-9 pcs.
HT111-10x10, 808 nm, 940...990 nm, 1550 nm, active area = 1 cm ² , upconverting	8,10	8,69
HT582-10x10, 800...1400 nm, active area = 1 cm ² , light loadable	8,10	8,69
HT612-10x10, 800...1650 nm, active area = 1 cm ² , light loadable	8,10	8,69

LASER SAFETY DEVICES







UNIVET LASER SAFETY GOGGLES	EUR	USD
 <p>Professional laser safety glasses - Side protection by full frame - adjustable silicone nose bridge - adjustable soft touch earpiece - suitable over prescription glasses - case and collar included</p>	1-9 pcs.	1-9 pcs.
531.00.0.301, alignment RED, 590-695nm: R1, Polyc., VLT:32%	78,00	83,65
531.00.0.311, protection RED, 190-375nm: D L4, 620-665nm: D L4, Polyc., VLT:20%	104,00	111,54
531.00.0.307, alignment GREEN, 440-570nm: R1, Polyc., VLT:22%	113,00	121,19
531.00.0.313, protection UV+GREEN, 190-535nm: D L5, Polyc., VLT:40%	82,30	88,27
531.00.0.309, protect UV+IR, 190-435nm: D L5, 780-1085nm: D L4, Polyc., VLT:45%	101,00	108,32
531.00.0.310, protect UV+Vis+IR, 190-532nm: D L5, 925-1080nm: D L5 ► PHASE OUT	125,00	134,06
531.00.0.329, protect UV+Vis+IR, 180-532nm: D L6, 905-1080nm: D L5, Polyc., VLT:25%	130,00	139,42
531.00.0.003, protect Vis+IR, 670-1360nm: D L5, 1300-3300nm: D L3, Glass, VLT:40%	240,00	257,40
531.00.0.010, protect IR, 890-1400nm: D L6, 1400-3300nm: D L4, Glass, VLT:62%	285,00	305,66
 <p>Professional laser safety glasses - Lightweight design - Side protection - silicone nose bridge - soft touch earpiece - case and collar included</p>	1-9 pcs.	1-9 pcs.
546L.00.10.553, protection UV+BLUE+GREEN, 180-534nm: L6, Polyc., VLT:40%	58,00	62,20


LASER POINTERS - VIOLET

VIOLET LASER POINTER RLP-405	EUR	USD
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 <p>Violet diode laser pointer</p> <ul style="list-style-type: none"> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished 		
RLP-405-01, 405 nm , <1 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	49,00	52,55
RLP-405-05, 405 nm , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	55,00	58,99
RLP-405-10, 405 nm , <10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	59,00	63,28
RLP-405-50, 405 nm , 50 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	112,00	120,12
RLP-405-100, 405 nm , 100 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	128,00	137,28
VIOLET LASER POINTER GLP-405	EUR	USD
 <p>GLP series, 405 nm laser diode, 5-20mW, for science and fluorescence excitation applications. 405 nm laserlight is close to the limit of the human visibility, spot brightness on normal targets is poor. 2 x CR2 batteries, included 405 nm</p>		
GLP-405-5, 405 nm , 5 mW, cw, 2 x CR2, 80 g, size 17 x 150 mm	112,00	120,12
GLP-405-10, 405 nm , 10 mW, cw, 2 x CR2, 80 g, size 17 x 150 mm	121,00	129,77
GLP-405-20, 405 nm , 20 mW, cw, 2 x CR2, 80 g, size 17 x 150 mm	130,00	139,42
VIOLET LASER POINTER CSI-405	EUR	USD
 <p>CSI series, 405 nm laser diode, 5-50 mW, for science and fluorescence excitation applications. 405 nm laserlight is close to the limit of the human visibility, spot brightness on normal targets is poor. 405 nm</p>		
CSI-405-200, 405 nm , 200 mW, cw, 13 x 160 mm, 85g, 2 x 1.5V AAA battery (3.0 VDC)	106,00	113,68
LASER POINTERS - BLUE		
ROYAL BLUE DIODE LASER POINTER RLP-450 series	EUR	USD
 <p>Royalblue diode laser pointer</p> <ul style="list-style-type: none"> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished 		
RLP-450-01, 450 nm , <1 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	82,00	87,94
RLP-450-05, 450 nm , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery, with ROITHNER logo	84,00	90,09
RLP-450-10, 450 nm , <10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	89,00	95,45
RLP-450-50, 450 nm , 50 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	129,00	138,35
ROYAL BLUE LASER POINTERS	EUR	USD
 <p>- direct emitting blue laser diode - Automatic Power Control (APC) - transport case & batteries included - metal housing, chrome polished 450 nm</p>		
ROITHNER 450, 450 nm , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	69,90	74,97
LASER POINTERS - GREEN		
GREEN DIODE LASER POINTER RLP-520 series	EUR	USD

 <p>Green diode laser pointer</p> <ul style="list-style-type: none"> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished 		
<p>RLP-520-01, 520 nm, <1 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery</p>	82,00	87,94
<p>RLP-520-05, 520 nm, <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery, with ROITHNER logo</p>	84,00	90,09
<p>RLP-520-10, 520 nm, <10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery</p>	89,00	95,45
<p>RLP-520-20, 520 nm, <20 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery</p>	99,00	106,18
<p>GREEN DIRECT EMITTING ROITHNER 520</p>		
 <p>Green diode laser pointer:</p> <ul style="list-style-type: none"> - Automatic Power Control (APC) - transport case & batteries included - metal housing, chrome polished <p>520 nm</p>		
<p>ROITHNER 520, 520 nm, <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery</p>	69,90	74,97
<p>GREEN DIODE LASER POINTER GDP series</p>		
 <p>Green diode laser pointer</p> <ul style="list-style-type: none"> - low operating current - qcw, short focus (1 m) - wide operating temperature (-10°C..+40°C) - alkaline batteries included <p>520 nm</p>		
<p>GDP-520-1, 520 nm, 1 mW, qcw, ON-LED, 80 g, 13x160mm, 2 x 1.5V AAA battery</p>	77,00	82,58
<p>GDP-520-5, 520 nm, 5 mW, qcw, ON-LED, 80 g, 13x160mm, 2 x 1.5V AAA battery</p>	88,00	94,38
<p>GREEN DPSS LASER POINTER RLP-532 series</p>		
 <p>Green DPSS laser pointer</p> <ul style="list-style-type: none"> - IR filter - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished <p>532 nm</p>		
<p>RLP-532-01, 532 nm, <1 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery</p>	49,00	52,55
<p>RLP-532-05, 532 nm, <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery, with ROITHNER logo</p>	52,00	55,77
<p>RLP-532-10, 532 nm, <10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery</p>	59,00	63,28
<p>RLP-532-20, 532 nm, <20 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery</p>	160,00	171,60
<p>RLP-532-50, 532 nm, 50 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery</p>	180,00	193,05
<p>RLP-532-100, 532 nm, 100 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery</p>	240,00	257,40
<p>GREEN DPSS ROITHNER 532</p>		
 <p>Green DPSS laser pointer:</p> <ul style="list-style-type: none"> - IR filter - Automatic Power Control (APC) - transport case & batteries included - metal housing, chrome polished <p>532 nm</p>		
<p>ROITHNER 532, 532 nm, <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery</p>	29,90	32,07
<p>GREEN DPSS S200 series</p>		


	S200 green laser pointer: 532nm, silvergrey metal body with clip, excellent beam quality, batteries included 532 nm		
S200-5R, 532 nm , <5 mW, cw, 13 x 155 mm, 81 g, metal housing, 2 x 1.5V AAA battery		1-4 pcs.	1-4 pcs.
		29,90	32,07
GREEN DPSS JLP series		EUR	USD
	JLP green laser pointer: 532nm, black metal body with clip, excellent beam quality, batteries included 532 nm		
JLP-5G, 532 nm , <5 mW, cw, 13 x 130 mm, 67 g, metal housing, 2 x 1.5V AAA battery		1-4 pcs.	1-4 pcs.
		25,90	27,78
GREEN DPSS GPL-105		EUR	USD
	GPL series: 532nm cw laser pointer, polished metal body with clip, excellent beam quality, black metal transport case and batteries included 532 nm		
GPL-105, 532 nm , <5 mW, cw, 13 x 150 mm, 71 g, 2 x 1.5V AAA battery		1-4 pcs.	1-4 pcs.
		33,00	35,39
GREEN DPSS GPL HIGH POWER series		EUR	USD
	GPL series: 532nm cw laser pointer, aluminium body with clip, transport case and batteries included. Up to 200mW 532 nm		
GPL-20, 532 nm , >20 mW, cw, 13 x 160 mm, 94 g, 2 x 1.5V AAA battery		1-4 pcs.	1-4 pcs.
		84,00	90,09
GPL-30, 532 nm , >30 mW, cw, 13 x 160 mm, 94 g, 2 x 1.5V AAA battery		89,00	95,45
GREEN DPSS GLP532 series		EUR	USD
	GLP532 series: Green cw laser pointer, metal body with clip, black soft touch coating , excellent beam quality, transport case and batteries included 532 nm		
GLP532-5-3, 532 nm , 5 mW, cw, 13 x 162 mm, 90 g, 2 x 1.5V AAA battery		1-4 pcs.	1-4 pcs.
		45,00	48,26
GLP532-10-3, 532 nm , 10 mW, cw, 13 x 162 mm, 90 g, 2 x 1.5V AAA battery		57,00	61,13
GLP532-20-3, 532 nm , 20 mW, cw, 13 x 162 mm, 90 g, 2 x 1.5V AAA battery		74,00	79,36
GLP532-30-3, 532 nm , 30 mW, cw, 13 x 162 mm, 90 g, 2 x 1.5V AAA battery		84,00	90,09
LASER POINTERS - DUAL WAVELENGTH			
GREEN-RED LASER POINTER		EUR	USD
	GRP532-655 green-red laser pointer 532 nm and 650 nm, cw mode, metal housing, 2 push buttons: laser green, laser red, laser red + green, high quality mechanical design, excellent beam quality 532, 650 nm		
GRP532-655, 532 nm and 650 nm , <5 mW, cw, 2 x AAA, size 13.5 x 157 mm		1-4 pcs.	1-4 pcs.
		55,00	58,99
LASER POINTERS - REMOTE			
GREEN DPSS LASER POINTER REMOTE PRESENTER		EUR	USD


 <p>Laser pointer with integrated remote presenter fine finished brass casing with LED indicator, scroll buttons and clip, transport case and 2.4 GHz USB receiver</p> <p>532 nm</p>	1-4 pcs.	1-4 pcs.
GLP532-REMOTE, 532 nm , <5 mW, cw, remote, 2 x AAA, size 14.5 x 152 mm	89,00	95,45


LASER POINTERS - RECHARGEABLE


SHP532 series	EUR	USD
 <p>USB rechargeable laser pointer polished metal body with status LED and clip, transport case and USB cable included, recharge at your laptop's USB port</p> <p>532 nm</p>	1-4 pcs.	1-4 pcs.
SHP532-1RE, 532 nm , <1 mW, cw, rechargeable, APC , ON-LED, laser class 2	39,90	42,79
SHP532-5RE, 532 nm , <5 mW, cw, rechargeable, ON-LED	45,00	48,26


LASER POINTERS - RED






RED DIODE LASER POINTER RLP-635 series	EUR	USD
 <p>Red diode laser pointer</p> <ul style="list-style-type: none"> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished 	1-4 pcs.	1-4 pcs.
RLP-635-01, 635 nm , <1 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	29,90	32,07
RLP-635-05, 635 nm , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery, with ROITHNER logo	29,90	32,07
RLP-635-10, 635 nm , <10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	36,00	38,61
RLP-635-20, 635 nm , <20 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	88,00	94,38

RED LASER POINTER ROITHNER 635	EUR	USD
 <p>Red diode laser pointer:</p> <ul style="list-style-type: none"> - Automatic Power Control (APC) - transport case & batteries included - metal housing, chrome polished <p>635 nm</p>	1-4 pcs.	1-4 pcs.
ROITHNER 635, 635 nm , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	21,90	23,49


RED LASER POINTERS LP series	EUR	USD
 <p>red laser pointer, 635 nm, cw-operation, black metal body with clip, status LED</p> <p>635 nm</p>	1-4 pcs.	1-4 pcs.
LP-635-7, 635 nm , 7 mW, 11 x 137 mm, 55 g, 2 x 1.5V AAA battery	39,00	41,83

RED LASER POINTERS LS series	EUR	USD
 <p>red laser pointer, low cost, cw-operation, black metal body with clip, transport case and batteries included</p> <p>645 nm</p>	1-4 pcs.	1-4 pcs.


LS-11, 645 nm , 3.5 mW, 11 x 135 mm, 48 g, 2 x 1.5V AAA battery	16,96	18,19
RED DIODE LASER POINTER RLP-650 series	EUR	USD
 <p>Red diode laser pointer</p> <ul style="list-style-type: none"> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished 	1-4 pcs.	1-4 pcs.
RLP-650-01, 655 nm , <1 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	28,90	30,99
RLP-650-05, 655 nm , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery, with ROITHNER logo	28,90	30,99
RLP-650-10, 655 nm , <10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	34,00	36,46
RLP-650-30, 655 nm , <30 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	84,00	90,09
RED LASER POINTER ROITHNER 650	EUR	USD
 <p>Red diode laser pointer:</p> <ul style="list-style-type: none"> - Automatic Power Control (APC) - transport case & batteries included - metal housing, chrome polished <p>655 nm</p>	1-4 pcs.	1-4 pcs.
ROITHNER 650, 655 nm , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	19,90	21,34
LASERPOINTERS - IR - 780 nm		
INFRARED DIODE LASER POINTER RLP-780 series	EUR	USD
 <p>IR diode laser pointer</p> <ul style="list-style-type: none"> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished 	1-4 pcs.	1-4 pcs.
RLP-780-10, 780 nm , 10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	78,00	83,65
RLP-780-50, 780 nm , 50 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	96,00	102,96
INFRARED LASER POINTERS LP-780	EUR	USD
 <p>IR laser pointer, cw-operation, body with clip, status LED, alkaline batteries and transport case included</p> <p>780 nm</p>	1-4 pcs.	1-4 pcs.
LP-780-2, 780 nm , 2 mW, 11 x 137 mm, 55 g, 2 x 1.5V AAA battery	14,00	15,01
LASERPOINTERS - IR - 808 nm		
INFRARED DIODE LASER POINTER RLP-808 series	EUR	USD
 <p>IR diode laser pointer</p> <ul style="list-style-type: none"> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished 	1-4 pcs.	1-4 pcs.
RLP-808-10, 808 nm , 10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	56,00	60,06
RLP-808-100, 808 nm , 100 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	69,00	74,00
RLP-808-200, 808 nm , 200 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	98,00	105,10
INFRARED LASER POINTERS SHP808 series	EUR	USD


	<p>IR laser pointer, 808 nm, cw-operation, polished metal body with clip, status LED, alkaline batteries and transport case included</p> <p>808 nm</p>		
		1-4 pcs.	1-4 pcs.
SHP808-100, 808 nm , <100 mW, 13 x 130 mm, 60 g, 2 x 1.5V AAA battery		54,00	57,91
SHP808-200, 808 nm , <200 mW, 13 x 130 mm, 60 g, 2 x 1.5V AAA battery		64,00	68,64
INFRARED LASER POINTERS PIL-808 series		EUR	USD
	<p>infrared laser pointer, 808 nm, cw-operation, black metal body with clip, status LED, security key lock system available</p> <p>808 nm</p>		
		1-4 pcs.	1-4 pcs.
PIL-808-100, 808 nm , 100 mW, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		98,00	105,10
LASERPOINTERS - IR - 830 nm			
INFRARED DIODE LASER POINTER RLP-830 series		EUR	USD
	<p>IR diode laser pointer</p> <ul style="list-style-type: none"> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished 		
		1-4 pcs.	1-4 pcs.
RLP-830-10, 830 nm , 10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery		76,00	81,51
RLP-830-20, 830 nm , 20 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery		88,00	94,38
LASERPOINTERS - IR - 850 nm			
INFRARED DIODE LASER POINTER RLP-850 series		EUR	USD
	<p>IR diode laser pointer</p> <ul style="list-style-type: none"> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished 		
		1-4 pcs.	1-4 pcs.
RLP-850-10, 850 nm , 10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery		82,00	87,94
RLP-850-30, 850 nm , 30 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery		94,00	100,81
INFRARED LASER POINTERS LP-850 series		EUR	USD
	<p>IR laser pointer, cw-operation, body with clip, status LED, alkaline batteries and transport case included</p> <p>850 nm</p>		
		1-4 pcs.	1-4 pcs.
LP-850-3, 850 nm , 3 mW, 11 x 137 mm, 55 g, 2 x 1.5V AAA battery		42,00	45,04
LASERPOINTERS - IR - 980 nm			
INFRARED DIODE LASER POINTER RLP-980 series		EUR	USD

 <p>IR diode laser pointer</p> <ul style="list-style-type: none"> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished 		
	1-4 pcs.	1-4 pcs.
RLP-980-10, 980 nm , 10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	58,00	62,20
RLP-980-20C, 980 nm , 20 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	64,00	68,64
RLP-980-20F, 980 nm , 20 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery, focused @ 2cm	77,00	82,58
RLP-980-50C, 980 nm , 50 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	82,00	87,94
RLP-980-50F, 980 nm , 50 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery, focused @ 2cm	99,00	106,18
RLP-980-100, 980 nm , 100 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	120,00	128,70
RLP-980-200, 980 nm , 200 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	140,00	150,15
RLP-980-300, 980 nm , 300 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	160,00	171,60
INFRARED LASER POINTERS LP-980 series	EUR	USD
 <p>IR laser pointer, cw-operation, body with clip, status LED, alkaline batteries and transport case included</p> <p>980 nm</p>		
	1-4 pcs.	1-4 pcs.
LP-980-25, 980 nm , 25 mW, 11 x 137 mm, 55 g, 2 x 1.5V AAA battery	52,00	55,77
INFRARED LASER POINTERS SHP980 series	EUR	USD
 <p>IR laser pointer, 980 nm, cw-operation, polished metal body with clip, status LED, alkaline batteries and transport case included</p> <p>980 nm</p>		
	1-4 pcs.	1-4 pcs.
SHP980-25, 980 nm , 25 mW, 13 x 130 mm, 60 g, 2 x 1.5V AAA battery	42,00	45,04
SHP980-25F, 980 nm , 25 mW, 13 x 130 mm, focused @ 2 cm	48,00	51,48
INFRARED LASER POINTERS PIL-980 series	EUR	USD
 <p>infrared laser pointer, 980 nm, cw-operation, black metal body with clip, status LED, security key lock system available</p> <p>980 nm</p>		
	1-4 pcs.	1-4 pcs.
PIL-980-5, 980 nm , 5 mW, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery	133,00	142,64
PIL-980-10, 980 nm , 10 mW, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery	143,00	153,36
LASERPOINTERS - IR - 1064 nm		
INFRARED LASER POINTERS PIL series	EUR	USD
 <p>infrared laser pointer, 808, 980 and 1064 nm, cw-operation, black metal body with clip, status LED, security key lock system available</p> <p>1064 nm</p>		
	1-4 pcs.	1-4 pcs.
PIL-1064-3, 1064 nm , 3 mW, DPSS, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery	180,00	193,05
PIL-1064-5, 1064 nm , 5 mW, DPSS, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery	185,00	198,41
GPLIR-20, 1064 nm , 20 mW, DPSS, IR-pointer, 2 x 1.5V AAA battery	162,00	173,74
PIL-1064-20, 1064 nm , 20 mW, DPSS, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery	192,00	205,92
PIL-1064-30, 1064 nm , 30 mW, DPSS, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery	198,00	212,35
LASERPOINTERS - IR - 1310 nm		


INFRARED DIODE LASER POINTER RLP-1310 series	EUR	USD
 <p>IR diode laser pointer</p> <ul style="list-style-type: none"> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished 	1-4 pcs.	1-4 pcs.
RLP-1310-03, 1310 nm , 3 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	174,00	186,61
RLP-1310-05, 1310 nm , 5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	215,00	230,58
RLP-1310-10, 1310 nm , 10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	269,00	288,50

LASERPOINTERS - IR - 1550 nm


INFRARED DIODE LASER POINTER RLP-1550 series	EUR	USD
 <p>IR diode laser pointer</p> <ul style="list-style-type: none"> - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished 	1-4 pcs.	1-4 pcs.
RLP-1550-03, 1550 nm , 3 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	160,00	171,60
RLP-1550-05, 1550 nm , 5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	190,00	203,77
RLP-1550-10, 1550 nm , 10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	240,00	257,40

INFRARED LASER POINTERS OEM series	EUR	USD
 <p>customized infrared laser pointers</p> <p>several wavelenghts available, cw-operation batteries included</p>	1-4 pcs.	1-4 pcs.
OEM-1550-05, 1550 nm , 5 mW, 25 x 15 x 115 mm, 50 g, 2 x 1.5V AAA battery	285,00	305,66
OEM-1550-10, 1550 nm , 10 mW, 25 x 15 x 115 mm, 50 g, 2 x 1.5V AAA battery	310,00	332,47


UV-LED MINI FLASHLIGHTS

	EUR	USD
 <p>reliable and handheld light sources with UV-LEDs</p> <p>available wavelenghts 350 nm .. 405 nm</p> <p>RLT-283U</p>	1-9 pcs.	1-9 pcs.
RLT-284U, 380 nm , 1.5-2.0 mW, slotted case head, eye safe, 3 x LR43	10,39	11,14
RLT-287U, 380 nm , 1.5-2.0 mW, ball point pen design, 4 x AG3 (not included)	4,99	5,35
RLT-CHECKER-385, 385 nm , 2.0 - 4.0 mW, 30°, 4 x AG3 (not included)	3,33	3,57
AL-513UV-A, 395 nm , 5..6 mW, neclace, 11.6 x 3.1 mm, 3 x LR1130 (not included)	5,10	5,47


UV-LED FLASHLIGHTS

UV-LED FLASHLIGHTS	EUR	USD
 <p>UV-LED flashlight series, wavelength range from 355 nm up to 375 nm</p> <p>standard wavelength: 365 nm, 370 nm, 375 nm</p>	1-9 pcs.	1-9 pcs.
NS370HBL , UV-LED flashlight, 370 nm , 180 mW, 45 LEDs, 4 x AAA, 226 g, 55 x 150 mm	318,00	341,05



 <p>UV High power flashlight series</p> <ul style="list-style-type: none"> - 365nm & 380nm - 1 x 18650 Li-Ion rechargeable battery (included) - Charger included <p>For checking of security markers in bank notes, credit cards, etc.</p>		
<p>UVCheck-3653W, UV-LED flashlight, 365nm, 134x31mm 133g</p>	<p>1-9 pcs.</p> <p>48,00</p>	<p>1-9 pcs.</p> <p>51,48</p>
<p>UVCheck-3803W, UV-LED flashlight, 380nm, 134x31mm 133g</p>	<p>36,00</p>	<p>38,61</p>
<h2>HIGH POWER FLASHLIGHTS</h2>		
<p>WHITE 1 W LED FLASHLIGHT</p>		
 <p>LUMILEDS 1W LED military type II anodizing</p> <p>35 lm</p>	<p>EUR</p> <p>1-9 pcs.</p>	<p>USD</p> <p>1-9 pcs.</p>
<p>TK01-1CR123-2AA-1W, white, 35 lm, 160 x 28 mm, CR123 or 2 x AA batteries</p>	<p>36,50</p>	<p>39,15</p>
<p>WHITE 3 W LED FLASHLIGHT</p>		
 <p>LUMILEDS 3W LED military type II anodizing</p> <p>65 lm</p>	<p>EUR</p> <p>1-9 pcs.</p>	<p>USD</p> <p>1-9 pcs.</p>
<p>TK01-2CR123-3W, white, 65 lm, 130 x 35 mm, 2 x CR123 batteries</p>	<p>39,90</p>	<p>42,79</p>
<p>WHITE RAPID ZOOM LED FLASHLIGHTS</p>		
 <p>Small size rapid zoom focusing, changeable from long distance spot to broad room illumination, wrist strap and belt bag included</p> <p>90 lm</p>	<p>EUR</p> <p>1-9 pcs.</p>	<p>USD</p> <p>1-9 pcs.</p>
<p>RLT-P2-ZOOM, white, 90 lm, 109 x 29 mm, 78 g, 1 x AA alkaline batteries</p>	<p>16,80</p>	<p>18,02</p>
 <p>Rapid zoom focusing, changeable from long distance spot to broad room illumination wrist strap and belt bag included</p> <p>90 lm</p>	<p>1-9 pcs.</p>	<p>1-9 pcs.</p>
<p>RLT-P4-ZOOM, white, 80 lm, 113 x 35 mm, 135 g, 3 x AAA alkaline batteries</p>	<p>21,90</p>	<p>23,49</p>
 <p>Rapid zoom focusing black anodized aluminium body high power 3W single chip design 365-940 nm</p>	<p>1-9 pcs.</p>	<p>1-9 pcs.</p>
<p>RLT-X365-ZOOM, 365 nm, 113 x 35 mm, glass lens, 135 g, 3 x AAA alkaline batteries</p>	<p>o.r</p>	<p>o.r</p>
<p>RLT-X380-ZOOM, 380 nm, 113 x 35 mm, glass lens, 135 g, 3 x AAA alkaline batteries</p>	<p>o.r</p>	<p>o.r</p>
<p>RLT-X400-ZOOM, 400 nm, 113 x 35 mm, glass lens, 135 g, 3 x AAA alkaline batteries</p>	<p>o.r</p>	<p>o.r</p>
<p>RLT-X415-ZOOM, 415 nm, 113 x 35 mm, 135 g, 3 x AAA alkaline batteries</p>	<p>o.r</p>	<p>o.r</p>
<p>RLT-X470-ZOOM, 470 nm, 113 x 35 mm, 135 g, 3 x AAA alkaline batteries</p>	<p>o.r</p>	<p>o.r</p>
<p>RLT-X520-ZOOM, 520 nm, 113 x 35 mm, 135 g, 3 x AAA alkaline batteries</p>	<p>o.r</p>	<p>o.r</p>
<p>RLT-X620-ZOOM, 620 nm, 113 x 35 mm, 135 g, 3 x AAA alkaline batteries</p>	<p>o.r</p>	<p>o.r</p>
<p>RLT-X660-ZOOM, 660 nm, 113 x 35 mm, 135 g, 3 x AAA alkaline batteries</p>	<p>o.r</p>	<p>o.r</p>
<p>RLT-X850-ZOOM, 850 nm, 113 x 35 mm, 135 g, 3 x AAA alkaline batteries</p>	<p>o.r</p>	<p>o.r</p>
<p>RLT-X940-ZOOM, 940 nm, 113 x 35 mm, 135 g, 3 x AAA alkaline batteries</p>	<p>o.r</p>	<p>o.r</p>

 <p>Rapid zoom focusing, exceptional brightness, anodized aluminium body</p>		
	1-9 pcs.	1-9 pcs.
RLT-P6-ZOOM-XPB, white , 500 lm, 199 x 42 mm, 445 g, 3 x "C" type alkaline batteries	92,00	98,67
RLT-P6-ZOOM-XML, white , 750 lm, 199 x 42 mm, 445 g, 3 x "C" type alkaline batteries	123,00	131,92

HID FLASHLIGHTS

HID FLASHLIGHTS FOR TACTICAL AND PROFESSIONAL USE	EUR	USD
 <p>High intensity discharge flashlight series - focusable beam - rechargeable Li-Ion battery - power supply included 530 - 1800 lm</p>		
HID-10-530-R, HID flashlight, max. 530 lumen, 10W HID lamp, Li-Ion battery, 110 min	456,00	489,05
HID-365, UV filter, <365 nm for HID flashlight series, color glass filter type	127,00	136,20
HID-850, IR filter, >850 nm for HID flashlight series, color glass filter type	127,00	136,20

LED HEADLAMPS

WHITE RAPID ZOOM LED HEADLAMP	EUR	USD
 <p>RLT-P4-HEAD-ZOOM 3W high power LED rapid zoom focusing, changeable from long distance spot to broad room illumination, 160 lm</p>		
RLT-P4-HEAD-ZOOM, white , 160 lm, 43 x 90 x 90 mm, 77 g, 3 x AAA alkaline batteries	19,90	21,34
WHITE 1 W LED HEADLAMP	EUR	USD
 <p>TH06-1W superbright white LED headlight with LUMILEDS 1W LED, 2 x AA battery, aluminium and high quality plastic compound design, recommended for professional use</p>		
TH06-1W, white , max. 35 lumen, 1 W LED, 2 x AA alkaline batteries	14,90	15,98

ROITHNER LASERTECHNIK GmbH

Wiedner Hauptstrasse 76, A-1040 Vienna, Austria, Europe, Tel.: +43-1-586 52 43 - 0, Fax.: +43-1-586 52 43 44
office@roithner-laser.com, www.roithner-laser.com, UID: ATU61938489, FN: 266954 f, Handelsgericht Wien
Advising Bank: UniCredit Bank Austria AG, Bankleitzahl: 12000, SWIFT: BKAUATWW
EUR account IBAN: AT1212 00000 608 547 402, USD account IBAN: AT3112 00000 570 347 781
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