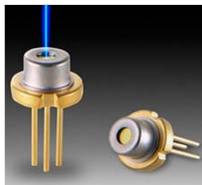


PRICE LIST 06/2014		
	EUR	USD
	1,00	1,36137
		2014-06-05
last update 2014-06-05		
LASER DIODES - UV		
	EUR	USD
 UV laser diodes cw mode 5.6 mm package 375 - 430 nm	1-9 pcs.	1-9 pcs.
RLU4116E, 375 nm , 70 mW, 5.6 mm	4.365,48	5.943,03
RLT390-50CMG, 390 nm , 50 mW cw, 5.6 mm, without photodiode	o.r.	o.r.
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	952,96
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	952,96
DL-3146-151, 405 nm , 5 mW, 5.6 mm, SANYO	18,13	24,68
DL-4146-101S, 405 nm , 20 mW, 75 °C, 5.6 mm, SANYO	28,90	39,34
DL-4146-301S, 405 nm , 20 mW, 75 °C, 5.6 mm, SANYO, without photodiode	28,19	38,38
DL-5146-101S, 405 nm , 40 mW, 75 °C, 5.6 mm, SANYO	31,23	42,52
DL-LS5017, 405 nm , 60 mW, 50 °C, 5.6 mm, SANYO, without photodiode	53,10	72,29
DL-7146-101S, 405 nm , 80 mW, 75 °C, 5.6 mm, SANYO	60,39	82,21
RLV4212, 405 nm , 120 mW, 70 °C, 5.6 mm, without photodiode	90,63	123,38
RLV4313, 405 nm , 120 mW, 70 °C, 5.6 mm, (short pins)	147,38	200,64
RLV4512, 405 nm , 200 mW, 70 °C, 5.6 mm, without photodiode	183,48	249,78
RLV4542, 405 nm , 200 mW, 85 °C, 3.8 mm , without photodiode	o.r.	o.r.
SLD3236VF, 405 nm , 150 mW, 80 °C, 5.6 mm, SONY	145,38	197,92
SLD3237VF, 405 nm , 200 mW, 70 °C, 5.6 mm, SONY	145,38	197,92
SLD3237VFR, 405 nm , 200 mW, 70 °C, 3.8 mm , without photodiode , SONY	145,38	197,92
LD-405-200, 405 nm , 200 mW, 70 °C, 5.6 mm, without photodiode	399,90	544,41
RLT410-50CMG, 410 nm , 50 mW cw, 5.6 mm, without photodiode	700,00	952,96
RLT415-50CMG, 415 nm , 50 mW cw, 5.6 mm, without photodiode	700,00	952,96
RLT415-50PMG, 415 nm , 50 mW, 200 ns pulse , mm, 40 °C, 5.6 mm	745,00	1.014,22
RLT415-200PMG, 415 nm , 200 mW, 200 ns pulse , mm, 40 °C, 5.6 mm	1.050,00	1.429,44
LASER DIODES - BLUE		
	EUR	USD

	blue laser diodes cw mode TO-can package		
420 - 488 nm			
RLT420-50CMG, 420 nm, 50 mW cw, 5.6 mm, without photodiode		700,00	952,96
RLT425-50CMG, 425 nm, 50 mW cw, 5.6 mm, without photodiode		700,00	952,96
RLT430-50CMG, 430 nm, 50 mW cw, 5.6 mm, without photodiode		700,00	952,96
LD-445-50SG, 445 nm, 50 mW, 60 °C, 3.8 mm, without photodiode		233,00	317,20
RHB510APA, 445 nm, 50 mW, 60 °C, 5.6 mm		3.230,00	4.397,23
LD-445-1000MG, 445 nm, 1 W, 30 °C, 5.6 mm, without photodiode, (dismounted)		128,00	174,26
RLB7875, 445 nm, 1.6 W, 50 °C, 9 mm, without photodiode		196,00	266,83
LD-450-100SG, 450 nm, 100 mW, 70 °C, 3.8 mm, without photodiode >> NEW		76,00	103,46
LD-450-1400MG, 450 nm, 1.4 W, 70 °C, 5.6 mm, without photodiode >> NEW		176,00	239,60
RLA4116, 473 nm, 100 mW, 60 °C, 5.6 mm		6.285,00	8.556,21
RLS4116, 488 nm, 60 mW, 60 °C, 5.6 mm		6.026,00	8.203,62
LASER DIODES - GREEN			
		EUR	USD
	direct emitting green laser diodes cw mode, modulable > 100 MHz --> laser projection		
520 nm			
LD-520-50SG, 520 nm, 50 mW, 70 °C, 3.8 mm, without photodiode		110,00	149,75
LD-520-120MG, 520 nm, 120 mW, 60 °C, 5.6 mm, without photodiode >> NEW		179,00	243,69
LASER DIODES - RED			
		EUR	USD
	red laser diodes TO-can, TO3, and C-mount package		
635 - 655 nm		1-9 pcs.	1-9 pcs.
S6305MG, 635 nm, 5 mW, sm, 5.6 mm		13,82	18,81
QL63D4SA, 635 nm, 5 mW, sm, 40 °C, 5.6 mm		5,86	7,98
QL63D5SA, 635 nm, 5 mW, sm, 50 °C, 5.6 mm		6,03	8,21
SLD63518240, 635 nm, 5 mW, sm, 40 °C, 5.6 mm, SAMSUNG		5,94	8,08
ADL-63102TL, 635 nm, 10 mW, sm, 50 °C, 5.6 mm		14,76	20,09
S6310MG, 635 nm, 10 mW, sm, 5.6 mm		16,10	21,92
QL63F5SA, 635 nm, 10 mW, sm, 50 °C, 5.6 mm		15,25	20,76
SDL-7501-G1, 635 nm, 15 mW, sm, 50 °C, 9 mm		51,60	70,25
QL63H5SA, 635 nm, 20 mW, sm, 50 °C, 5.6 mm		19,90	27,09
ADL-63302TL, 635 nm, 30 mW, sm, 50 °C, 5.6 mm		35,60	48,46
RLT635-100G, 635 nm, 100 mW, mm, 9 mm, without photodiode		154,00	209,65
RLT635-100GPD, 635 nm, 100 mW, mm, 9 mm		164,00	223,26
RLT635-150-C, 635 nm, 150 mW, mm, C-mount		219,00	298,14
RLT635-150-TO3, 635 nm, 150 mW, mm, TO3		179,90	244,91
LD635-C220, 635nm, FP, 220 mW, mm, 9mm, without photodiode		273,00	371,65
RLT635-300-TO3, 635 nm, 300 mW, mm, TO3		369,00	502,35
LD635-C400, 635nm, FP, 400 mW, mm, 9mm, without photodiode		651,00	886,25
RLT635-500-TO3, 635 nm, 500 mW, mm, TO3		444,00	604,45
ADL-63V0BTP, 638 nm, 500 mW, mm, 30 °C, 5.6 mm, without photodiode		59,90	81,55
RLT6405G, 645 nm, 5 mW, sm, 9 mm		24,77	33,72
RLT650-200G, 650 nm, 200 mW, mm, 9 mm, with photodiode		155,00	211,01
RLT65300T, 650 nm, 300 mW, mm, TO3, without photodiode		152,00	206,93
RLT650-500-T, 650 nm, 500 mW, mm, TO3, without photodiode		275,00	374,38
RLT650-1000-C, 650 nm, 1 W, mm, C-mount		399,00	537,74
RLT650-1000-T, 650 nm, 1 W, mm, TO3, without photodiode		499,00	679,32

QL65D5SA, 650 nm , 5 mW, sm, 50 °C, 5.6 mm	3,19	4,34
QL65D6SA, 655 nm , 5 mW, sm, 60 °C, 5.6 mm	3,77	5,13
S6505MG, 655 nm , 5 mW, sm, 5.6 mm	3,57	4,86
ADL-65052TL, 655 nm , 5 mW, sm, 50 °C, 5.6 mm, lowest operating current typ. 16 mA	3,40	4,63
SLD65018250S, 655 nm , 5 mW, sm, 50 °C, 5.6 mm, w/o window, SAMSUNG	2,07	2,81
QL65E7SA, 655 nm , 7 mW, sm, 70 °C, 5.6 mm	8,86	12,06
QL65E7SB, 655 nm , 7 mW, sm, 70 °C, 5.6 mm	8,43	11,48
QL65E7SC, 655 nm , 7 mW, sm, 70 °C, 5.6 mm	8,43	11,48
ADL-65075SL, 655 nm , 7 mW, sm, 70 °C, 3.3 mm, small package	7,04	9,58
ADL-65075SR, 655 nm , 7 mW, sm, 70 °C, 3.3 mm, small package	5,10	6,94
ADL-65077SU, 655 nm , 7 mW, sm, 70 °C, 3.3 mm, small package	7,36	10,02
ADL-65074TR, 655 nm , 7 mW, sm, 85 °C, 5.6 mm, high temperature	4,42	6,02
ADL-65075TA2, 655 nm , 7 mW, sm, 70 °C, 5.6 mm, integrated LD driver	4,39	5,98
QL65F6SA, 655 nm , 10 mW, sm, 60 °C, 5.6 mm	6,49	8,84
QL65F7SA, 655 nm , 10 mW, sm, 70 °C, 5.6 mm, high temperature	39,90	54,32
S6510MG, 655 nm , 10 mW, sm, 5.6 mm	9,54	12,99
S6530MG, 660 nm , 30 mW, sm, 5.6 mm	29,60	40,30
RLT6530G, 655 nm , 30 mW, sm, 9 mm	66,50	90,53
QL65I7SA, 655 nm , 30 mW, sm, 70 °C, 5.6 mm	43,00	58,54

LASER DIODES - RED

	EUR	USD
 red laser diodes TO-can, TO3, and C-mount package 660 - 690 nm	1-9 pcs.	1-9 pcs.
RLT6615G, 660 nm , 15 mW, sm, 9 mm	16,00	21,78
RLT6620G, 660 nm , 20 mW, sm, 9 mm	58,51	79,66
ADL-66201TL, 660 nm , 20 mW, sm, 60 °C, 5.6 mm --> phase out	18,00	24,50
ADL-66302TL, 660 nm , 30 mW, sm, 60 °C, 5.6 mm	28,80	39,21
QL65J7SA, 660 nm , 50mW, sm, 75°C, lop typ. 90mA, 5.6mm	148,00	201,48
ADL-66505TL, 660 nm , 50 mW, sm, 60 °C, 5.6 mm, high temp., high power, high reliability	39,80	54,18
RLT6650G, 660 nm , 50 mW, sm, 9 mm	190,80	259,75
RLT6650GLI, 665 nm , 50 mW, mm, 9 mm	222,60	303,04
RLT6660MG, 660 nm , 60 mW, sm, 5.6 mm, without photodiode	64,66	88,03
RLT6680MGOP, 660 nm , 80 mW, sm, 5.6 mm, without photodiode	52,00	70,79
QL65L6SA, 660 nm , 80 mW, sm, 60 °C, 5.6 mm	145,00	197,40
RLT6680MG, 660 nm , 80/160 mW cw/pulse, sm, 5.6 mm, without photodiode	76,00	103,46
RLT66100MGOP, 660 nm , 100 mW, mm, 5.6 mm, without photodiode	42,00	57,18
RLT66100MG, 660 nm , 100 mW, mm, 5.6 mm	45,00	61,91
QL65O6SA, 660 nm , 100 mW, sm, 60 °C, 5.6 mm	o.r.	o.r.
QL67D6SA, 670 nm , 5 mW, sm, 60 °C, 5.6 mm	8,30	11,30
S6705MG, 670 nm , 5 mW, sm, 5.6 mm	4,50	6,13
QL67F6SA, 670 nm , 10 mW, sm, 60 °C, 5.6 mm	33,00	44,93
RLT67300T, 670 nm , 300 mW, mm, TO3, without photodiode	288,00	392,07
RLT67300C, 670 nm , 300 mW, mm, C-Mount, without photodiode	288,00	392,07
QL68I6SA, 685 nm , 30 mW, 60 °C, sm, 5.6 mm	38,00	51,73
QL68J6SA, 685 nm , 50 mW, 60 °C, sm, 5.6 mm	44,00	59,90
LD690-C350, 690nm , FP, 350 mW, mm, 9mm, without photodiode	454,00	618,06

LASER DIODES - IR

	EUR	USD
 infrared laser diodes TO-can, TO3, and C-mount package 760 - 808 nm	1-9 pcs.	1-9 pcs.
RLT760-10G, 760 nm , 10 mW, sm, 60°C, 9 mm	359,00	488,73
QL78D6SA, 780 nm , 5 mW, sm, 60 °C, 5.6 mm	5,50	7,49
QL78D6SB, 780 nm , 5 mW, sm, 60 °C, 5.6 mm	9,96	13,56

QL78F6SA, 780 nm , 10 mW, sm, 60 °C, 5.6 mm	11,50	15,66
LTO21MCO (Sharp), 780 nm , 15 mW, sm, 9 mm	29,68	40,41
QL78I6SA, 780 nm , 25 mW, sm, 60 °C, 5.6 mm	19,80	26,96
QL78J6SA, 780 nm , 50 mW, sm, 60 °C, 5.6 mm	25,00	34,03
RLT7870MG, 780 nm , 70 mW, sm, 5.6 mm, without photodiode	77,18	105,06
ADL-78901SX, 785 nm , 90 mW, sm, 3.3 mm , without photodiode	12,00	16,34
RLT7890MG, 785 nm , 90 mW, sm, 5.6 mm, without photodiode	79,50	108,23
RLT780-100GS, 780 nm , 100 mW, sm, 9 mm	169,83	231,20
RLT780-150GS, 780 nm , 150 mW, sm, 9 mm	273,91	372,89
RLT780-1000G, 785 nm , 1 W, mm, 9 mm	160,70	218,77
RLT790-80MGS, 790 nm , 80 mW, sm, 5.6 mm	148,00	201,48
RLT80805MG, 808 nm , 5 mW, sm, 5.6 mm	39,54	53,83
RLT80805MGS, 808 nm , 5 mW, lop <35 mA, sm, 5.6 mm	13,90	18,92
RLT80810MG, 808 nm , 10 mW, sm, 5.6 mm	25,00	34,03
RLT80830MG, 808 nm , 30 mW, sm, 5.6 mm	29,80	40,57
RLT808-150GS, 808 nm , 150 mW, sm, 9 mm	474,78	646,35
ADL-80Y04TZ, 808 nm , low threshold, 200 mW, mm, 50 °C, 5.6 mm, without photodiode	12,50	17,02
SLD302V, SONY, 808 nm , 200 mW, mm, 9 mm	83,74	114,00
S808200MG, 808 nm , 200 mW, mm, 50 um, 5.6 mm	14,90	20,28
LDM-0808-300m-91, 808+/-5nm , 300 mW, mm, 9 mm	44,00	59,90
LDM-0808-300m-11, 808+/-5nm , 300 mW, mm, C-mount	35,00	47,65
LDM-0808-300m-31, 808+/-5nm , 300 mW, mm, TO3, without photodiode	40,00	54,45
RLT808500G, 808 nm , 500 mW, mm, 9 mm	141,96	193,27
ADL-80V03TL, 808 nm , 500 mW, mm, 50 °C, 5.6 mm	49,80	67,80
LDM-0808-500m-92, 808+/-5 nm , 500 mW, mm, 9 mm	45,00	61,26
LDM-0808-500m-12, 808+/-5 nm , 500 mW, mm, C-mount	38,30	52,14
LDM-0808-500m-32, 808+/-5 nm , 500 mW, mm, TO3	44,00	59,90
RLCO-808-500G, 808 nm , 500 mW, mm, 9 mm	42,00	57,18
LDM-0808-1000-93, 808+/-5 nm , 1 W, mm, 9 mm	87,00	118,44
RLCO-808-1000G, 808 nm , 1 W, mm, 9 mm	78,00	106,19
LDM-0808-001W-13, 808+/-5 nm , 1 W, mm, C-mount	102,00	138,86
LDM-0808-001w-33, 808+/-5 nm , 1 W, mm, TO3	105,00	142,94
LDM-0808-002w-15, 808+/-5 nm , 2 W, mm, C-mount	138,00	187,87
LDM-0808-002w-35, 808+/-5 nm , 2 W, mm, TO3	230,00	313,12
RLCO-808-2000-CT, 808 nm , 2 W, mm, CT-mount	93,00	126,61
RLCO-808-2000-TO3, 808 nm , 2 W, mm, TO3	93,00	126,61
LD808-2-TO3, 808+/-5 nm , 2 W, mm, TO3	98,90	134,64
LDM-0808-3W-33, 808+/-5 nm , 3 W, mm, TO3	397,00	540,46
RLCO-808-3000-TO3, 808 nm , 3 W, mm, TO3	245,29	333,93
RLCO-808-4000-TO3, 808 nm , 4 W, mm, TO3	299,26	407,40
RLCO-808-5000-TO3, 808 nm , 5 W, mm, TO3	348,32	474,19
LD808-5-TO3, 808+/-5 nm , 5 W, mm, TO3	580,00	789,59
RLCO-808-7000-CT, 808 nm , 7 W, mm, CT-mount	453,79	617,78
RLCO-808-8000-CT, 808 nm , 8 W, mm, CT-mount	515,11	701,26
	EUR	USD
 infrared laser diodes TO-can, TO3, and C-mount package 830 - 940 nm	1-9 pcs.	1-9 pcs.
S8305MG, 830 nm , 5 mW, lop <25 mA, mm, 40°C, 5.6 mm	15,40	20,97
ELD83NPT5, 830 nm +/-10 nm, 5 mW, sm, 5.6 mm	32,86	44,73
RLT8320MG, 830 nm , 20 mW, sm, 5.6 mm	71,02	96,68
S8330MG, 830 nm , 30 mW, lop <75 mA, mm, 5.6 mm	16,40	22,33
RLT8340MG, 830 nm , 40 mW, sm, 40°C, 5.6 mm	76,32	103,90
RLT830-100GS, 830 nm , 100 mW, sm, 9 mm	191,74	261,03
RLT830-150GS, 830 nm , 150 mW, sm, 9 mm	273,91	372,89
RLT83500G, 830 nm , 500 mW, mm, 9 mm	123,00	167,45
RLT83500GOP, 830 nm , 500 mW, mm, 9 mm, without photodiode	96,70	131,64
RLT831000G, 830 nm , 1 W, mm, 9 mm	175,00	238,24
RLCO-830-1000G, 830 nm , 1 W, mm, 9 mm	123,00	167,45
RLCO-830-1000G, 830 nm , 1 W, mm, 9 mm	123,00	167,45
RLCO-830-1000G, 830 nm , 1 W, mm, 9 mm	123,00	167,45
POL-4200, 830 nm +10/-0 nm, 1 W, mm, 9mm	137,80	187,60



infrared laser diodes
TO-can, TO3, and C-mount package

830 - 940 nm

1-9 pcs.

1-9 pcs.

RLT830-1.5G, 830 nm , 1.5 W, mm, 9 mm	193,57	263,52
S8410MG, 840 nm , 10 mW, sm, 60°C, 5.6 mm, without photodiode	28,80	39,21
S8450MG, 840 nm , 50 mW, sm, 40°C, 5.6 mm, without photodiode	56,00	76,24
ELD85NPT5, 850 nm +/-10 nm, 5 mW, sm, 5.6 mm	26,25	35,74
RLT8505MG, 850 nm , 5 mW, sm, 40 °C, 5.6 mm	4,20	5,72
QL85D6SA, 850 nm , 05 mW, sm, 60 °C, 5.6 mm	4,98	6,78
QL85F6SA, 850 nm , 10 mW, sm, 60 °C, 5.6 mm	5,95	8,10
QL85H6SA, 850 nm , 20 mW, sm, 60 °C, 5.6 mm	20,00	27,23
QL85I6SA, 850 nm , 30 mW, sm, 60 °C, 5.6 mm	30,00	40,84
QL85J6SA-L, 850 nm , 40 mW, sm, 60 °C, 5.6 mm	55,00	74,88
ADL-85501TL, 850 nm , 50 mW, sm, 50 °C, 5.6 mm	49,20	66,98
S8550MG, 850 nm , 50 mW, sm, 40°C, 5.6 mm	26,80	36,48
RLT85100MG, 850 nm , 100 mW, mm, 5.6 mm	75,00	102,10
RLT850-100GS, 850 nm , 100 mW, single mode, 9 mm	170,00	231,43
RLT850-150GS, 850 nm , 150 mW, single mode, 9 mm	284,00	386,63
RLT850M-1WG50, 850 nm , 1 W, 50 µm, multi mode, 9 mm	273,91	372,89
RLT850M-2WC, 850 nm , 2 W, multi mode, C-Mount	295,00	401,60
RLT855-10MG, 855 nm , 10 mW, lop <55 mA, sm, 5.6 mm	19,40	26,41
QL86T4HD, 860 nm , 1 W, 40° C, lop 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	o.r.	o.r.
RLT878-5MG, 878 nm , 5 mW, lop <35 mA, sm, 5.6 mm	22,40	30,49
S8810MG, 880 nm , 10 mW, 60°, sm, 5.6 mm	18,80	25,59
RLT9005MG, 900 nm , 5 mW, sm, 5.6 mm	40,02	54,48
RLT904-05MG, 904 nm , 5 mW, sm, 5.6 mm	16,64	22,65
QL90F7SA, 904 nm , 10 mW, 70° C, sm, 5.6 mm	28,00	38,12
RLT904-30MG, 904 nm , 30 mW, sm, 5.6 mm	29,90	40,70
RLT905-20G, 905 nm , 20 mW, sm, 9 mm	221,76	301,90
RLT905-30G, 905 nm , 30 mW, sm, 9 mm	320,32	436,07
RLT905-40G, 905 nm , 40 mW, sm, 9 mm	446,88	608,37
RLT905-50G, 905 nm , 50 mW, sm, 9 mm	493,92	672,41
RLT905-100G, 905 nm , 100 mW, beam div. 10x30, sm, 9 mm	705,60	960,58
RLT905-100GS, 905 nm , 100 mW, beam div. 25x40, sm, 9 mm	208,00	283,16
RLT905-300GS, 905 nm , 300 mW, sm, 9 mm	467,48	636,41
RLT905-500G, 905 nm , 500 mW, mm, 9 mm	94,00	127,97
RLT915-50GS, 915 nm , 50 mW, sm, 9 mm	109,57	149,17
RLT915-150GS, 915 nm , 150 mW, sm, 9 mm	310,43	422,61
RLT91500G, 915 nm , 500 mW, mm, 9 mm	126,00	171,53
RLT940-100GS, 940 nm , 100 mW, sm, 9 mm	191,74	261,03
RLT940-300GS, 940 nm , 300 mW, sm, 9 mm	456,52	621,49
RLCO-940-1000-TO3, 940 nm , 1 W, mm, TO3	81,00	110,27
RLCO-940-2000-TO3, 940 nm , 2 W, mm, TO3	100,00	136,14
RLCO-940-3000-TO3, 940 nm , 3 W, mm, TO3	270,00	367,57
RLCO-940-4000-TO3, 940 nm , 4 W, mm, TO3	330,00	449,25
RLCO-940-5000-TO3, 940 nm , 5 W, mm, TO3	383,00	521,40
	EUR	USD
 infrared laser diodes TO-can, TO3, and C-mount package 960 - 1310 nm	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	115,44
S9810MG, 980 nm , 10 mW, sm, 5.6 mm	12,70	17,29
RLT9810G, 980 nm , 10 mW, sm, 9 mm	116,60	158,74
RLT9810GS, 980 nm , 10 mW, sm, 9 mm	37,10	50,51
RLT9820G, 980 nm , 20 mW, mm, 9 mm	100,70	137,09
RLT9830MG, 980 nm , 30 mW, sm, 5.6 mm	30,62	41,69
RLT9830G, 980 nm , 30 mW, sm, 9 mm	156,00	212,37
S9850MG, 980 nm , 50 mW, sm, 5.6 mm	12,00	16,34
S9850MBA, 980 nm , 50 mW, sm, 5.6 mm, without photodiode, without window	3,30	4,49
LDM-0980-050m-50, 980 nm , 50 mW, mm, 5.6 mm	14,90	20,28
ELD98NPT5, 980 nm +/-10 nm, 5 mW, sm, 5.6 mm	26,25	35,80
L98T50M, 980 nm , 50 mW, mm, 9 mm	22,00	29,95

S98100MG, 980 nm , 100 mW, mm, 5.6 mm	18,70	25,46
RLT980-100GS, 980 nm , 100 mW, sm, 9 mm	82,17	111,86
RLT980-150GS, 980 nm , 150 mW, sm, 9 mm	129,65	176,50
RLT980-200GS, 980 nm , 200 mW, sm, 9 mm	166,17	226,22
RLT980-250GS, 980 nm , 250 mW, sm, 9 mm	252,00	343,07
RLT980-300GS, 980 nm , 300 mW, sm, 9 mm	334,17	454,93
LDM-0980-300m-92, 980 nm +/-10 nm, 300 mW, mm, 9 mm	45,80	62,35
LDM-0980-300m-12, 980 nm +/-10 nm, 300 mW, mm, C-mount	39,20	53,37
L98T300m, 980 nm +/-5nm, 300 mW, mm, TO3	76,00	103,46
RLT98500G, 980 nm , 500 mW, mm, 9 mm	108,00	147,03
RLT98500GOP, 980 nm , 500 mW, mm, 9 mm, without photodiode	68,60	93,39
LDM-0980-500m-12, 980 nm +/-10 nm, 500 mW, mm, C-mount	47,00	63,98
LDM-0980-500m-32, 980 nm +/-10 nm, 500 mW, mm, TO3	87,00	118,44
RLT981000G, 980 nm +/-10 nm, 1 W, mm, 9 mm	101,00	137,50
LDM-0980-001w-13, 980 nm +/-10 nm, 1W, mm, C-mount	93,00	126,61
LDM-0980-001w-33, 980 nm +/-10 nm, 1W, mm, TO3	99,00	134,78
LDM-0980-002w-15, 980 nm +/-10 nm, 2W, mm, C-mount	155,00	211,01
LDM-0980-002w-35, 980 nm +/-10 nm, 2W, mm, TO3	158,00	215,10
RLCO-980-3000-TO3, 980 nm , 3 W, mm, TO3	187,79	255,65
RLCO-980-4000-TO3, 980 nm , 4 W, mm, TO3	228,77	311,44
RLCO-980-5000-TO3, 980 nm , 5 W, mm, TO3	266,33	362,57
RLT995-5MG, 995 nm , 5 mW, lop <35 mA, sm, 5.6 mm	22,40	30,49
RLT1050M-500G, 1050 nm , 500 mW, mm, 9 mm	129,65	176,50
RLT1060-10G, 1060 nm , 10 mW, sm, 9 mm	234,08	318,67
RLT1060-20G, 1060 nm , 20 mW, sm, 9 mm	246,40	335,44
RLT1060-50G, 1060 nm , 50 mW, sm, 9 mm	470,40	640,39
RLT1060-100G, 1064 nm , 100 mW, sm, 9 mm	182,00	247,77
RLT1060-150G, 1064 nm , 150 mW, sm, 9 mm	219,13	298,32
RLT1060-350G, 1064 nm , 350 mW, sm, 9 mm	593,48	807,95
RLT1060M-1WG, 1064 nm , 1.0 W, mm, 9 mm	148,00	201,48
RLT1060-1000HHL, 1064 nm ±30 nm, 1.0 W, mm, HHL package	1.114,76	1.517,60
RLT1060M-2WG, 1064 nm , 1.3 W, mm, 9 mm	182,61	248,60
RLCO-1064-2000-TO3, 1064 nm , 2 W, mm, TO3	193,00	262,74
RLT1060-3000HHL, 1060 nm ±20 nm, <3.0 W, mm, HHL package	1.560,67	2.124,65
RLT1070-10MG, 1070 nm , 10 mW, sm, 5.6 mm	262,50	357,36
RLT1080-10G, 1080 nm , 10 mW, sm, 9 mm	357,00	486,01
RLT1260-500HHL, 1260 nm ±20 nm, 500 mW, mm, HHL package	1.337,72	1.821,13
RLT1260-750HHL, 1260 nm ±20 nm, 750 mW, mm, HHL package	1.783,62	2.428,17
RLT1300-5G, 1300 nm , 5 mW, sm, 9 mm	72,96	99,33
RLT1300-10G, 1300 nm , 10 mW, sm, 9 mm	92,16	125,46
RLT1300-20G, 1300 nm , 20 mW, sm, 9 mm	134,40	182,97
RLT1300-30G, 1300 nm , 30 mW, sm, 9 mm	161,28	219,56
RLT1300-40G, 1300 nm , 40 mW, sm, 9 mm	271,04	368,99
RLT1300-50G, 1300 nm , 50 mW, sm, 9 mm	336,00	457,42
ML720A1S-E22E, 1310 nm , 4 mW, sm, 5.6 mm	21,91	29,83
RLT1300-BL, 1310 nm , 5 mW, 5.6 mm, ball lens	5,00	6,81
RLT1300-FW, 1310 nm , 5 mW, 5.6 mm, flat window	5,00	6,81
LDS-1310-005-BL, 1310 nm +/-10 nm, 5 mW, sm, 5.6 mm, ball lens	9,60	13,07
S1300-5MG-BL, 1310 nm , 5 mW, TO56, 85°C, ball lens (1.25 Gbps)	13,40	18,24
S1300-5MG-FW, 1310 nm , 5 mW, TO56, 85°C, flat window (1.25 Gbps)	13,40	18,24
	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	115,00	156,56
L145T600m, 1450+/-10nm , 600 mW, mm, TO3 --> phase out	207,00	281,80
RLT1460-5MG, 1460 nm , 5 mW, sm, 5.6 mm	257,25	350,21
RLT1480-5G, 1480 nm , 5 mW, sm, 9 mm	110,00	149,75
RLT1480-10G, 1480 nm , 10 mW, sm, 9 mm	155,00	211,01
RLT1480-20G, 1480 nm , 20 mW, sm, 9 mm	240,00	325,00
RLT1480-50G, 1480 nm , 50 mW, sm, 9 mm	370,00	500,00
LD1490-C010, 1490 nm , DFB, 10 mW, sm, with photodiode, 5.6 mm	270,00	367,57



infrared laser diode
TO-can, TO3, C-mount, HHL package

1430 - 1750 nm

1-9 pcs.

1-9 pcs.

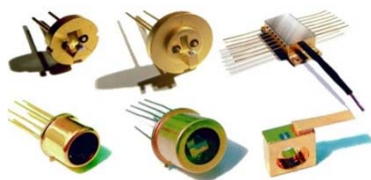
RLT1500-10G, 1500 nm , 10 mW, sm, 9 mm	188,16	256,16
RLT1500-20G, 1500 nm , 20 mW, sm, 9 mm	246,40	335,44
RLT1500-30G, 1500 nm , 30 mW, sm, 9 mm	320,32	436,07
S1550-5MG-BL, 1550 nm , 5 mW, TO56, 85°C, ball lens (1.25 Gbps)	15,50	21,10
S1550-5MG-FW, 1550 nm , 5 mW, TO56, 85°C, flat window (1.25 Gbps)	15,50	21,10
RLT1550-5MG, 1550 nm , 5 mW, sm, 5.6 mm	29,30	39,89
RLT1550-5MGOP, 1550 nm , 5 mW, sm, 5.6 mm, without photodiode	29,30	39,89
RLT1550-5G, 1550 nm , 5 mW, sm, 9 mm	142,08	193,42
RLT1550-10G, 1550 nm , 10 mW, sm, 9 mm	155,52	211,72
RLT1550-15G, 1550 nm , 15 mW, sm, 9 mm	172,80	235,24
RLT1550-20G, 1550 nm , 20 mW, sm, 9 mm	188,16	256,16
RLT1550-30G, 1550 nm , 30 mW, sm, 9 mm	214,72	292,31
RLT1550-40G, 1550 nm , 40 mW, sm, 9 mm	320,32	436,07
RLT1550-100G, 1550 nm , 100 mW, lop typ. 800 mA, aperture: 100x1 μm^2 , mm, 9 mm	470,40	640,39
RLT1550-250HHL, 1550 nm ± 30 nm, 250 mW, mm, HHL package	1.170,50	1.593,48
RLT1550-500HHL, 1550 nm ± 30 nm, 500 mW, mm, HHL package	1.449,19	1.972,89
LD1550-C500, 1550 nm , FP, 500 mW, mm, 9mm	563,20	766,72
RLT1600-10G, 1600 nm , 10 mW, sm, 9 mm	246,40	335,44
RLT1600-20G, 1600 nm , 20 mW, sm, 9 mm	344,96	469,62
RLT1600-30G, 1600 nm , 30 mW, sm, 9 mm	435,12	592,36
RLT1600-40G, 1600 nm , 40 mW, sm, 9 mm	540,96	736,45
RLT1600-300HHL, 1600 nm ± 20 nm, 300 mW, mm, HHL package	2.229,53	3.035,21
RLT1725-300HHL, 1725 nm ± 5 nm, 300 mW, mm, HHL package	2.452,48	3.338,73
RLT1750-300HHL, 1750 nm ± 15 nm, 300 mW, mm, HHL package	2.675,43	3.642,25
RLT1750-500HHL, 1750 nm ± 15 nm, 500 mW, mm, HHL package	3.567,24	4.856,33
RLT1770-10G, 1770 nm +/- 30 nm, 10 mW, sm, 9 mm	352,80	480,29
RLT1770-20G, 1770 nm +/- 20 nm, 20 mW, sm, 9 mm	470,40	640,39
RLT1770-30G, 1770 nm +/- 30 nm, 30 mW, sm, 9 mm	588,00	800,49
RLT1770-40G, 1770 nm +/- 20 nm, 40 mW, sm, 9 mm	823,20	1.120,68
RLT1800-500HHL, 1750 nm ± 10 nm, 500 mW, mm, HHL package	3.567,24	4.856,33

LASER DIODES - MID IR

DFB

EUR

USD



distributed Feedback laser diodes
 high side mode suppression
 mode hop free DFB emission
760 - 6000 nm NEW!
every wavelength available

1-2 pcs.

1-2 pcs.

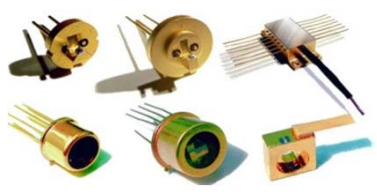
DFB-760-10, 760 nm , 10 mW, standard product, further wavelengths on request	4.590,00	6.248,69
DFB-852-30, 852 nm , 50 mW, standard product, further wavelengths on request	5.304,00	7.220,71
DFB-935-50, 935 nm , 50 mW, standard product, further wavelengths on request	5.304,00	7.220,71
DFB-1368-5, 1368 nm , 5 mW, standard product, further wavelengths on request	5.304,00	7.220,71
DFB-1654-5, 1654 nm , 5 mW, standard product, further wavelengths on request	5.304,00	7.220,71
DFB-1742-5, 1742 nm , 5 mW, standard product, further wavelengths on request	5.304,00	7.220,71
DFB-1805-5, 1805 nm , 5 mW, standard product, further wavelengths on request	5.304,00	7.220,71
DFB-1877-5, 1877 nm , 5 mW, standard product, further wavelengths on request	5.304,00	7.220,71
DFB-1910-5, 1910 nm , 5 mW, standard product, further wavelengths on request	5.304,00	7.220,71
DFB-2004-3, 2004 nm , 3 mW, standard product, further wavelengths on request	6.308,40	8.588,07
DFB-2050-3, 2050 nm , 3 mW, standard product, further wavelengths on request	6.308,40	8.588,07
DFB-2330-3, 2330 nm , 3 mW, standard product, further wavelengths on request	7.832,40	10.662,79
DFB-2640-2, 2640 nm , 2 mW, standard product, further wavelengths on request	7.832,40	10.662,79
DFB-2735-2, 2735 nm , 2 mW, standard product, further wavelengths on request	7.832,40	10.662,79
DFB-3067-1, 3067 nm , >1 mW, standard product, e.g. C2H2, further wavelengths on request	9.753,00	13.277,44
DFB-3270-1, 3270 nm , >1 mW, standard product, e.g. CH4, further wavelengths on request	9.753,00	13.277,44
DFB-3357-1, 3357 nm , >1 mW, standard product, e.g. CH4, further wavelengths on request	9.753,00	13.277,44
DFB-3396-1, 3396 nm , >1 mW, standard product, e.g. HCl, further wavelengths on request	9.753,00	13.277,44
DFB-3571-1, 3571 nm , >1 mW, standard product, e.g. H2CO, further wavelengths on request	9.753,00	13.277,44
DFB-3850-1, 3850 nm , >1 mW, standard product, e.g. HBr, further wavelengths on request	9.753,00	13.277,44
DFB-4230-1, 4230 nm , >1 mW, standard product, e.g. CO2, further wavelengths on request	9.753,00	13.277,44
DFB-5200-1, 5200 nm , >1 mW, standard product, e.g. NO, further wavelengths on request	9.753,00	13.277,44

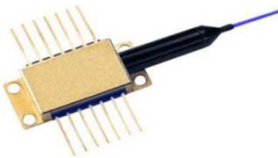
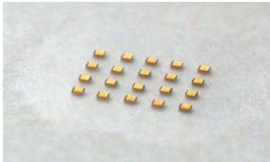
packaging options: TO5, C-mount, butterfly, with TEC and thermistor

FP

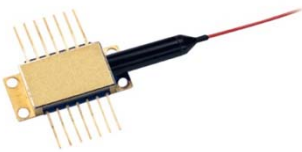
EUR

USD

	fabry perot laser diodes several packaging options 760 - 3000 nm every wavelength available	1-2 pcs.	1-2 pcs.
FP-760-22, 760 nm , 22 mW, standard product, further wavelengths on request		3.672,00	4.998,95
FP-852-45, 852 nm , 45 mW, standard product, further wavelengths on request		4.243,20	5.776,57
FP-935-75, 935 nm , 75 mW, standard product, further wavelengths on request		4.243,20	5.776,57
FP-1368-7, 1368 nm , 7 mW, standard product, further wavelengths on request		4.243,20	5.776,57
FP-1654-7, 1654 nm , 7 mW, standard product, further wavelengths on request		4.243,20	5.776,57
FP-1742-7, 1742 nm , 7 mW, standard product, further wavelengths on request		4.243,20	5.776,57
FP-1805-7, 1805 nm , 7 mW, standard product, further wavelengths on request		4.243,20	5.776,57
FP-1877-7, 1877 nm , 7 mW, standard product, further wavelengths on request		4.243,20	5.776,57
FP-1910-7, 1910 nm , 7 mW, standard product, further wavelengths on request		4.243,20	5.776,57
FP-2004-4, 2004 nm , 4 mW, standard product, further wavelengths on request		5.046,72	6.870,45
FP-2050-4, 2050 nm , 4 mW, standard product, further wavelengths on request		5.046,72	6.870,45
FP-2330-4, 2330 nm , 4 mW, standard product, further wavelengths on request		6.265,92	8.530,24
FP-2640-3, 2640 nm , 3 mW, standard product, further wavelengths on request		6.265,92	8.530,24
FP-2735-3, 2735 nm , 3 mW, standard product, further wavelengths on request		6.265,92	8.530,24
FP-2760-3, 2760 nm , 3 mW, standard product, further wavelengths on request		6.265,92	8.530,24
packaging options: TO5, C-mount, butterfly, with TEC and thermistor			
FP		EUR	USD
	fabry perot laser diodes in TO56 package, - working at room temperature (range 0 - 70°C) - with monitor photodiode 2307 - 2325 nm	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	2.232,65
RLTCM-2310D, 2.3 um , 10 mW cw, multi mode, 5.6 mm with monitor photodiode		1.980,00	2.695,51
RLTCM-2325D, 2.3 um , 25 mW cw, multi mode, 5.6 mm with monitor photodiode		3.800,00	5.173,21
DFB-QCL pulsed		EUR	USD
	DFB quantum cascade pulse laser diodes several packaging options high side mode suppression pulse mode at room temperature 5000 -14000 nm	1-2 pcs.	1-2 pcs.
DFB-QCL-5250-100, 5250 nm , 100 mW, pulsed mode		14.586,00	19.856,94
DFB-QCL-7350-20, 7350 nm , 20 mW, pulsed mode		14.586,00	19.856,94
DFB-QCL-8450-30, 8450 nm , 30 mW, pulsed mode		14.586,00	19.856,94
DFB-QCL-8770-10, 8770 nm , 10 mW, pulsed mode		14.586,00	19.856,94
DFB-QCL-9120-100, 9120 nm , 100 mW, pulsed mode		14.586,00	19.856,94
DFB-QCL-11600-20, 11600 nm , 20 mW, pulsed mode		14.586,00	19.856,94
DFB-QCL-13150-100, 13150 nm , 100 mW, pulsed mode		14.586,00	19.856,94
DFB-QCL-13500-80, 13500 nm , 80 mW, pulsed mode		14.586,00	19.856,94
DFB-QCL-13900-1, 13900 nm , 1 mW, pulsed mode		14.586,00	19.856,94
packaging options: TO5, C-mount, butterfly, with TEC and thermistor			
FP-QCL pulsed		EUR	USD
	FP quantum cascade pulse laser diodes several packaging options high side mode suppression pulse mode at room temperature 5000 -14000 nm	1-2 pcs.	1-2 pcs.
FP-QCL-5250-100, 5250 nm , 100 mW, pulsed mode		11.668,80	15.885,55
FP-QCL-7350-20, 7350 nm , 20 mW, pulsed mode		11.668,80	15.885,55
FP-QCL-8450-30, 8450 nm , 30 mW, pulsed mode		11.668,80	15.885,55
FP-QCL-8770-10, 8770 nm , 10 mW, pulsed mode		11.668,80	15.885,55
FP-QCL-9120-100, 9120 nm , 100 mW, pulsed mode		11.668,80	15.885,55
FP-QCL-11600-20, 11600 nm , 20 mW, pulsed mode		11.668,80	15.885,55
FP-QCL-13150-100, 13150 nm , 100 mW, pulsed mode		11.668,80	15.885,55

FP-QCL-13500-80, 13500 nm , 80 mW, pulsed mode	11.668,80	15.885,55
FP-QCL-13900-1, 13900 nm , 1 mW, pulsed mode	11.668,80	15.885,55
packaging options: TO5, C-mount, butterfly, with TEC and thermistor		
PIGTAILED	EUR	USD
 pigtailed laser diode in 14-Pin butterfly package - Ridge waveguide technology - carbon dioxide monitoring - tunable LD absorption spectroscopy 2020 nm	1-3 pcs.	1-3 pcs.
RLEP202-F, 2020 nm , 10 mW cw, Fabry Perot, 14-pin DIL with TEC & thermistor	2.187,00	2.977,32
RLEP202-D, 2020 nm , 3.5 mW cw, discrete mode, single mode, linewidth < 2 MHz	3.610,00	4.914,55
LASER DIODES - PULSED		
PULSED INFRARED LASER DIODES	EUR	USD
 high power pulsed laser diodes 850, 904, 1550, 1610 and 1625 nm	1-9 pcs.	1-9 pcs.
PLD850-2-T, 850 nm , 2 W-pulse, 40 x 1 μm^2 , TO-46	99,00	134,78
PLD850-10-MG, 850 nm , 10 W-pulse, 150 x 1 μm^2 , 5.6 mm	78,30	106,60
PLD904-4-MG, 904 nm , 4 W-pulse, 60 x 1 μm^2 , 5.6 mm	39,50	53,77
PLD904-10-MG, 904 nm , 10 W-pulse, 150 x 1 μm^2 , 5.6 mm	68,00	92,57
PLD904-4-T, 904 nm , 4 W-pulse, 60 x 1 μm^2 , TO-46	39,50	53,77
PLD904-5-T, 904 nm , 5 W-pulse, 75 x 1 μm^2 , TO-46	49,40	67,25
LDMP-0905-10W-51, 905 nm , 10W, single emitter, 50...200ns, 0.05%, 370x1 μm^2 , 5.6mm	67,00	91,21
LDMP-0905-20W-51, 905 nm , 20W, single emitter, 50...200ns, 0.05%, 370x1 μm^2 , 5.6mm	77,00	104,83
LDMP-0905-50W-93, 905 nm , 50 W, 2 stacks, 50...200 ns, 0.05%, 370x100 μm^2 , 9 mm	159,00	216,46
VL905P75, 905 nm , 75 W, 100 ns, 0.2%, 60°C, 5mm epoxy >> NEW	29,80	40,57
RLT-HPL905-50, 904 nm , 50 W-pulse, 50 ns, 370 x 100 μm^2 , 9 mm	236,00	321,28
LDMP-1550-010W-50, 1550 nm , 10W, single emitter, 50...200ns, 0.05%, 370x1 μm^2 , 5.6mm	249,00	338,98
LDMP-1550-015W-52, 1550 nm , 15W, single emitter, 50...200ns, 0.05%, 370x1 μm^2 , 5.6mm	269,00	366,21
LDMP-1550-020W-91, 1550 nm , 20 W, single emitter, 100 ns, 0.01%, 9 mm	236,00	321,28
RLT1610-100MPG, 1610 nm , 1x200 μm , 100 mW-pulse, <1us, <50 kHz, 5% Duty, 9 mm	198,00	269,55
LD1625-C120, 1625 nm , FP, 120 mW, sm, pulsed mode, 10 us PW, 1% DC, 5.6 mm	449,50	611,94
LASER DIODES - BARE CHIP DIES		
LASER DIODE CHIPS	EUR	USD
 EPI wafer laser diode chip dies 635, 650, 980 ,1310 nm	20-99 pcs.	20-99 pcs.
CHIP-635-P5, 635 nm , 5 mW, laser diode chip die, sm, MOQ 1000 pcs	1,40	1,91
CHIP-650-P5, 650 nm , 5 mW, laser diode chip, single ridge waveguide sm, MOQ 1000 pcs	0,93	1,27
CHIP-980-P50, 980 nm , 50 mW, laser diode chip die, sm, MOQ 100pcs	2,92	3,98
CHIP-1310-P5, 1310 nm , FP, 5 mW, sm, 2.5 GHz, MOQ 1000pcs	4,10	o.r
LASER DIODES - PIGTAILED		
PIGTAILED COAXIAL PACKAGE	EUR	USD
 pigtailed laser diodes in coaxial package - single and multi mode - different connectors available 405 - 1625 nm	1-9 pcs.	1-9 pcs.
SPL405-15-4, 405nm+/-5 nm , 15 mW, single mode, 4 μm fiber, no photodiode	821,74	1.118,69
SUNSTAR传感与控制 http://www.sensor-ic.com/ TEL: 0755-83376489 FAX:0755-83376182 E-MAIL:szss20@163.com		
SPL405-15-4P, 405nm+/-5 nm , 15 mW, single mode, 4 μm PM fiber, no photodiode	1.278,26	1.740,19
SPL405-50-4, 405nm+/-5 nm , 50 mW, single mode, 4 μm fiber, no photodiode	1.460,87	1.988,78

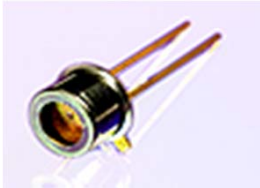
SPL405-50-4P, 405nm +/-5 nm, 50 mW, single mode, 4 μm PM fiber, no photodiode	2.191,30	2.983,18
SPL405-100-4, 405nm +/-5 nm, 100 mW, single mode, 4 μm fiber, no photodiode	o.r	o.r
SPL405-100-4P, 405nm +/-5 nm, 100 mW, single mode, 4 μm PM fiber, no photodiode	3.560,00	4.846,48
SPL405-10-50M-PD, 405nm +/-4 nm, 10 mW, 50 μm MM fiber	229,56	312,52
SPL405-50-50M, 405nm +/-4 nm, 50 mW, 50 μm MM fiber, no photodiode	382,61	520,87
SPL405-100-50M, 405nm +/-4 nm, 100 mW, 50 μm MM fiber, no photodiode , FC connector	669,56	911,52
SPL405-350-50M, 405nm +/-4 nm, 350 mW, 50 μm MM fiber, no photodiode	1.147,83	1.562,62
SPL445-15-4, 445nm +/-5 nm, 15 mW, single mode, 4 μm fiber, no photodiode	o.r.	o.r.
SPL445-30-4, 445nm +/-5 nm, 30 mW, single mode, 4 μm fiber, no photodiode	o.r.	o.r.
SPL445-30-4P, 445nm +/-5 nm, 30 mW, single mode, 4 μm PM fiber, no photodiode	o.r.	o.r.
SPL445-50-4, 445nm +/-5 nm, 50 mW, single mode, 4 μm fiber, no photodiode	o.r.	o.r.
SPL445-50-4P, 445nm +/-5 nm, 50 mW, single mode, 4 μm PM fiber, no photodiode	o.r.	o.r.
SPL445-50-50M, 445nm +/-5 nm, 50 mW, 50 μm MM fiber, no photodiode	422,00	574,50
SPL520-30-200M-PD, 520 nm , 30 mW, 200 μm MM fiber, PD, FC connector	765,22	1.041,75
SPL532-20-62M-PD, 532 nm , 20 mW, 62.5 μm MM fiber, PD, FC connector	612,17	833,39
SPL532-30-62M-PD, 532 nm , 30 mW, 62.5 μm MM fiber, PD, FC connector	669,57	911,53
SPL532-50-62M-PD, 532 nm , 50 mW, 62.5 μm MM fiber, PD, FC connector	765,22	1.041,75
RLCD-S63-01, 635 +/-10 nm, 1 mW, single mode, 4 μm fiber, FC connector	170,00	231,43
RLCD-S63-02, 635 +/-10 nm, 2 mW, single mode, 4 μm fiber, FC connector	194,00	264,11
SPL635-5-4-PD, 635nm +/-5 nm, 5 mW, single mode, 4 μm fiber	478,26	651,09
SPL635-5-4P-PD, 635nm +/-5 nm, 5 mW, single mode, 4 μm PM fiber	821,74	1.118,69
SPL635-5-105M-PD, 635nm +/-5 nm, 5 mW, 105 μm MM fiber	217,39	295,95
RLCD-S63-10, 635 +/-10 nm, 10 mW, single mode, 4 μm fiber, FC connector	398,00	541,83
RLCD-S63-20, 635 +/-10 nm, 20 mW, single mode, 4 μm fiber, FC connector	758,00	1.031,92
SPL650-1-4-PD, 650nm +/-5 nm, 1 mW, single mode, 4 μm fiber	286,96	390,65
RLTG065AU, 650 +/-10 nm, 2.5 mW, 100 μm MM fiber, FC-connector	219,64	299,01
SPL650-3-105M-PD, 650nm +/-5 nm, 3 mW, 105 μm MM fiber	173,91	236,76
SPL650-20-4, 658nm +/-5 nm, 20 mW, single mode, 4 μm fiber, no photodiode	382,61	520,87
SPL650-20-4P, 658nm +/-5 nm, 20 mW, single mode, 4 μm PM fiber, no photodiode	730,43	994,39
SPL650-30-105M, 658nm +/-5 nm, 30 mW, 105 μm MM fiber, no photodiode	217,39	295,95
SPL650-40-4P, 658nm +/-5 nm, 20 mW, single mode, 4 μm PM fiber, no photodiode	821,74	1.118,69
SPL650-50-4, 658 +/-5 nm, 50 mW, single mode, 4 μm fiber, no photodiode , FC connector	480,00	653,46
SPL650-60-105M, 658nm +/-5 nm, 60 mW, 105 μm MM fiber, no photodiode	229,57	312,52
RLCD-S66-02, 660 +/-5 nm, 2 mW, single mode, 4 μm fiber, FC connector	177,00	240,96
RLCD-S66-10, 660 +/-5 nm, 10 mW, single mode, 4 μm fiber, FC connector	269,00	366,21
RLCD-S66-40, 660 +/-5 nm, 40 mW, single mode, 4 μm fiber, FC connector	694,00	944,79
SPL670-1-4-PD, 670nm +/-10 nm, 1 mW, single mode, 4 μm fiber	382,61	520,87
SPL670-1-4P-PD, 670nm +/-10 nm, 1 mW, single mode, 4 μm PM fiber	730,43	994,39
SPL685-4-4P-PD, 685nm +/-15 nm, 4 mW, single mode, 4 μm PM fiber	730,43	994,39
SPL685-9-4-PD, 685nm +/-15 nm, 9 mW, single mode, 4 μm fiber	478,26	651,09
SPL685-14-4P-PD, 685nm +/-15 nm, 14 mW, single mode, 4 μm PM fiber	573,91	781,31
SPL785-20-4-PD, 785nm +/-10 nm, 20 mW, single mode, 4 μm fiber	382,61	520,87
SPL785-20-4P-PD, 785nm +/-10 nm, 20 mW, single mode, 4 μm PM fiber	913,04	1.242,99
SPL785-40-4-PD, 785nm +/-10 nm, 40 mW, single mode, 4 μm fiber	573,91	781,30
SPL785-40-105M-PD, 785nm +/-10 nm, 40 mW, 105 μm MM fiber	217,39	295,95
SPL785-50-4, 785nm +/-10 nm, 50 mW, single mode, 4 μm fiber, no photodiode	730,43	994,39
SPL785-50-4P-PD, 785nm +/-10 nm, 50 mW, single mode, 4 μm PM fiber, FC connector	1.147,83	1.562,62
SPL808-15-5, 808 +/-5 nm, 15 mW, single mode, 5 μm fiber, FC connector, no photodiode	500,00	680,69
SPL808-20-5-PD, 808 +/-5 nm, 20 mW, single mode, 5 μm fiber, FC connector	500,00	680,69
RLCD-M81-40, 808 +/-5 nm, 40 mW, multi mode, 62.5 μm fiber, FC connector	220,00	299,50
SPL808-50-5-PD, 808 +/-5 nm, 50 mW, single mode, 5 μm fiber, FC connector	995,00	1.354,56
RLCD-M81-60, 808 +/-5 nm, 60 mW, multi mode, 62.5 μm fiber, FC connector	237,60	323,46
SPL808-120-105M-PD, 808 +/-5 nm, 120 mW, 105 μm multi mode fiber, FC connector	180,00	245,05
SPL808-200-105M-PD, 808 +/-5 nm, 200 mW, 105 μm multi mode fiber, FC connector	220,00	299,50
SPL830-1-4-PD, 830nm +/-10 nm, 1 mW, single mode, 4 μm fiber	344,35	468,78
SPL830-1-4P-PD, 830nm +/-10 nm, 1 mW, single mode, 4 μm PM fiber	639,13	870,09
SPL830-10-4P-PD, 830nm +/-10 nm, 10 mW, single mode, 4 μm PM fiber	1.004,35	1.367,29
SPL830-14-4-PD, 830nm +/-10 nm, 14 mW, single mode, 4 μm fiber	639,13	870,09
SPL850-10-4P-PD, 850nm +/-5 nm, 10 mW, single mode, 4 μm PM fiber	913,04	1.242,99
SPL850-14-4-PD, 850nm +/-5 nm, 14 mW, single mode, 4 μm fiber	497,39	677,13
SPL850-30-105M-PD, 850nm +/-5 nm, 30 mW, 105 μm MM fiber	286,96	390,65
SPL880-1-4P-PD, 880nm +/-10 nm, 1 mW, single mode, 4 μm PM fiber	821,74	1.118,69
SPL880-2-4-PD, 880nm +/-10 nm, 2 mW, single mode, 4 μm fiber	382,61	520,87
SPL980-10-9-PD, 980nm +/-10 nm, 10 mW, single mode, 9 μm fiber	231,30	314,88
SPL980-15-9-PD, 980nm +/-10 nm, 15 mW, single mode, 9 μm fiber	270,00	367,57

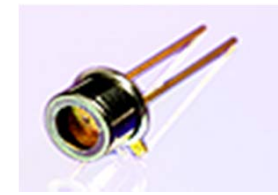
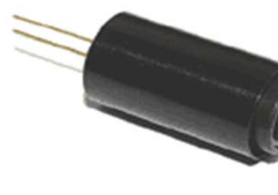
SPL980-30-105M-PD, 980nm±15 nm , 30 mW, 105 µm MM fiber	217,39	295,95
SPL980-100-105M-PD, 980nm±15 nm , 100 mW, 105 µm MM fiber	248,70	338,57
SPL1270-2-9-PD, 1270±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	310,00	422,02
SPL1290-2-9-PD, 1290±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	310,00	422,02
FU-17SLD-F3M1, 1310±20 nm , 0.5mW, FC-receptacle	142,04	193,37
LFO-14-ip, 1310±20 nm , 1 mW, FP, sm, 9/125 fiber, FC connector	185,58	252,64
LFO-14-d, 1310±20 nm , >1 mW, FP, sm, 9/125 fiber, FC connector, internal driver , 3V	222,60	303,04
SPL1310-1-9-PD, 1310±20 nm , 1 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	216,00	294,06
SPL1310-2-9-PD, 1310±20 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	310,00	422,02
SPL1310-3-9-PD, 1310±20 nm , 3 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	267,83	364,61
SPL1310-4-9-PD, 1310±20 nm , 4 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	267,83	364,61
SPL1310-5-9-PD, 1310±20 nm , 5 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	382,61	520,87
SPL1310-10-9-PD, 1310±20 nm , 10 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	459,13	625,05
SPL1330-2-9-PD, 1330±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	310,00	422,02
SPL1350-2-9-PD, 1350±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	310,00	422,02
SPL1370-2-9-PD, 1370±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	310,00	422,02
SPL1390-2-9-PD, 1390±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	310,00	422,02
SPL1410-2-9-PD, 1410±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	310,00	422,02
SPL1430-2-9-PD, 1430±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	310,00	422,02
SPL1450-2-9-PD, 1450±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	310,00	422,02
SPL1470-2-9-PD, 1470±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	310,00	422,02
SPL1490-2-9-PD, 1490±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	310,00	422,02
SPL1510-2-9-PD, 1510±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	310,00	422,02
SPL1530-2-9-PD, 1530±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	310,00	422,02
LFO-18-ip, 1550±20 nm , 0.8 mW, FP, sm, 9/125 fiber, FC-connector	286,80	390,44
LFO-18-d, 1550±20 nm , >0.8 mW, FP, sm, 9/125 fiber, FC connector, internal driver , 3V	312,10	424,88
LFO-18-2-ip, 1550±20 nm , 2 mW, FP, sm, 9/125 fiber, FC connector	312,10	424,88
LFO-18/2-d, 1550±20 nm , >2 mW, FP, sm, 9/125 fiber, FC connector, internal driver , 3V	339,20	461,78
SPL1550-1-9-PD, 1550±30 nm , 1 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	173,91	236,76
SPL1550-2-9-PD, 1550±30 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	310,00	422,02
SPL1550-3-9-PD, 1550±30 nm , 3 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	267,83	364,61
SPL1550-8-9-PD, 1550±30 nm , 8 mW, DFB, 2.0 GB/s, sm, 9 µm fiber	382,61	520,87
SPL1550-10-9-PD, 1550±30 nm , 10 mW, DFB, 2.0 GB/s, sm, 9 µm fiber	459,13	625,05
SPL1570-2-9-PD, 1570±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	310,00	422,02
SPL1590-2-9-PD, 1590±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	310,00	422,02
SPL1610-2-9-PD, 1610±3 nm , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	310,00	422,02
PIGTAILED HHL	EUR	USD
 pigtailed laser diodes in HHL package - single and multi mode - different connectors available 635 - 1550 nm	1-9 pcs.	1-9 pcs.
RLCD-M63H-350, 635±10 nm , 350 mW, multi mode, 100 µm fiber, FC-Connector	1.580,00	2.150,96
RLCD-M63H-1W, 635±10 nm , 1 W, multi mode, 400 µm fiber bundle, SMA-Connector	4.800,00	6.534,58
RLCD-M63H-2W, 635±10 nm , 2 W, multi mode, 400 µm fiber bundle, SMA-Connector	5.900,00	8.032,08
RLCD-M65H-200, 650±5 nm , 200 mW, multi mode, 100 µm fiber, FC-Connector	620,00	844,05
RLCD-M66H-750, 660±5 nm , 750 mW, multi mode, 100 µm fiber, FC-Connector	1.693,00	2.304,80
RLCD-S66H-40, 660±5 nm , 40 mW, single mode, 4 µm fiber, HHL, TEC, FC-Connector	978,00	1.331,42
RLCD-S66H-60, 660±5 nm , 60 mW, single mode, 4 µm fiber, HHL, TEC, FC-Connector	1.050,00	1.429,44
RLCD-S66H-80, 660±5 nm , 80 mW, single mode, 4 µm fiber, HHL, TEC, FC-Connector	1.120,00	1.524,73
G066PU214W, 660±5 nm , 1.4 W, 430 µm, TEC, SMA connector	3.153,19	4.292,65
G066PU335W, 660±5 nm , 3.5 W, 600 µm, TEC, SMA connector	5.382,71	7.327,86
G067PU160M, 670±10 nm , 160 mW, 50 µm, FC connector	1.050,00	1.429,44
G067PU200M, 670±10 nm , 200 mW, 100 µm, FC connector	1.120,00	1.524,73
RLCD-M66H-2W, 665±5 nm , 2 W, multi mode, 400 µm fiber bundle, SMA-Connector	4.800,00	6.534,58
RLCD-M66H-3W, 665±5 nm , 3 W, multi mode, 400 µm fiber bundle, SMA-Connector	6.300,00	8.576,63
RLCD-M66H-5W, 665±5 nm , 5 W, multi mode, 400 µm fiber bundle, SMA-Connector	9.980,00	13.586,47
RLT780M-1WFC, 785±5nm , 1W, multi mode, 100µm fiber, TEC, FC/PC	780,00	1.061,87
RLT808M-1.5WFC, 808±5nm , 1.5W, multi mode, 100µm fiber, FC/PC, TEC	770,00	1.048,25
RLT808M-3WFC, 808±5nm , 3W, multi mode, 100µm fiber, FC/PC, TEC	1.015,00	1.381,79
RLT808M-8WFC, 808±5nm , 8W, multi mode, 100µm fiber, SMA, TEC	1.312,50	1.786,80
RLT808M-10WFC, 808±5nm , 10W, multi mode, 400µm fiber, SMA, TEC	1.400,00	1.905,92
RLCO-808-0500-F, 808±3 nm , 0.5 W, multi mode, 100 µm, NA 0.22, SMA connector	183,97	250,45

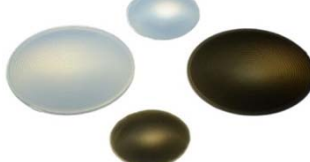
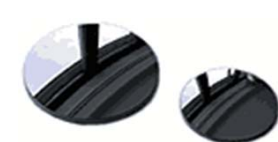
G081PU1600M, 808+/-5 nm , 0.6 W, 50 μ m, NA 0.22, connector	425,00	578,58
G081PU1750M, 808+/-5 nm , 0.75 W, 100 μ m, NA 0.22, connector	431,00	586,75
RLCO-808-1000-F, 808+/-3 nm , 1 W, multi mode, 100 μ m, NA 0.22, SMA connector	215,86	293,87
G081PU11500M, 808+/-5 nm , 1.5 W, 100 μ m, NA 0.22, connector	483,33	658,00
RLCO-808-2000-F, 808+/-3 nm , 2 W, multi mode, 100 μ m, NA 0.22, SMA connector	499,00	679,32
RLCO-808-3000-F, 808+/-3 nm , 3 W, multi mode, 200 μ m, NA 0.22, SMA connector	650,02	884,92
RLCO-808-4000-F, 808+/-3 nm , 4 W, multi mode, 200 μ m, NA 0.22, SMA connector	865,88	1.178,78
RLCO-808-5000-F, 808+/-3 nm , 5 W, multi mode, 200 μ m, NA 0.22, SMA connector	1.081,74	1.472,65
RLCD-A81H-2.5W, 808 nm , 2.5 W, multi mode, 650 nm aiming beam , 200 μ m fiber	1.065,68	1.450,78
RLCD-A81H-3W, 808 nm , 3 W, multi mode, 650 nm aiming beam , 200 μ m fiber	1.098,16	1.495,00
RLCD-A81H-5W, 808 nm , 5 W, multi mode, 650 nm aiming beam , 200 μ m fiber	1.268,30	1.726,63
RLCD-A81H-7W, 808 nm , 7 W, multi mode, 650 nm aiming beam , 200 μ m fiber	1.546,71	2.105,64
G081PU25W, 808+/-5 nm , 5 W, 400 μ m, NA 0.22, connector	1.166,67	1.588,27
G081PU210W, 808+/-5 nm , 10 W, 400 μ m, NA 0.22, connector	1.866,67	2.541,22
G081PU312W, 808+/-5 nm , 12 W, 700 μ m, NA 0.22, connector	3.333,33	4.537,90
G081PU314W, 808+/-5 nm , 14 W, 700 μ m, NA 0.22, connector	o.r.	o.r.
G081PU325W, 808+/-5 nm , 25 W, 700 μ m, NA 0.22, connector	4.166,67	5.672,38
RLCO-830-1000-F, 830+/-5 nm , 1 W, multi mode, 50 μ m, NA 0.22, SMA connector	323,79	440,80
RLCO-830-1500-F, 830+/-5 nm , 1.5 W, multi mode, 50 μ m, NA 0.22, SMA connector	650,02	884,92
SPL940-1.5W-105M-HHL, 940nm+/-10 nm , 1.5 W, 105 μ m fiber, HHL	821,74	1.118,69
RLT915-200SPM, 915+/-5nm , 200mW, single mode, PM-fiber, TEC	1.350,00	1.837,85
RLT915M-1.5WFC, 915+/-5nm , 1.5W, multi mode, 100 μ m fiber, FC/PC, TEC	693,00	943,43
RLT940-200SPM, 940+/-5nm , 200mW, single mode, PM-fiber, TEC	1.360,00	1.851,46
RLT975M-3WFC, 975+/-5nm , 3W, multi mode, 100 μ m fiber, FC/PC, TEC	862,75	1.174,52
RLT975M-10WFC, 975+/-5nm , 10W, multi mode, 200 μ m fiber, SMA, TEC	1.452,50	1.977,39
RLT979-300SPM, 979+/-5nm , 300mW, single mode, PM-fiber, TEC	1.640,00	2.232,65
RLCO-980-0500-F, 980+/-10 nm , 0.5 W, multi mode, 100 μ m, NA 0.22, SMA connector	193,00	262,74
G098PU1600M, 980+/-5 nm , 0.6 W, 50 μ m, NA 0.22, connector	381,00	518,68
G098PU1750M, 980+/-5 nm , 0.75 W, 100 μ m, NA 0.22, connector	386,00	525,49
RLCO-980-1000-F, 980+/-10 nm , 1 W, multi mode, 100 μ m, NA 0.22, SMA connector	232,00	315,84
G098PU11300M, 980+/-5 nm , 1.3 W, 100 μ m, NA 0.22, connector	530,00	721,53
RLCO-980-2000-F, 980+/-10 nm , 2 W, multi mode, 100 μ m, NA 0.22, SMA connector	365,00	496,90
RLCO-980-3000-F, 980+/-10 nm , 3 W, multi mode, 100 μ m, NA 0.22, SMA connector	486,00	661,63
RLCO-980-4000-F, 980+/-10 nm , 4 W, multi mode, 200 μ m, NA 0.22, SMA connector	665,00	905,31
RLCO-980-5000-F, 980+/-10 nm , 5 W, multi mode, 200 μ m, NA 0.22, SMA connector	824,00	1.121,77
RLCD-A98H-3W, 980 nm , 3 W, multi mode, 650 nm aiming beam , 200 μ m fiber	1.098,16	1.495,00
RLCD-A98H-5W, 980 nm , 5 W, multi mode, 650 nm aiming beam , 200 μ m fiber	1.268,30	1.726,63
RLCD-A98H-7W, 980 nm , 7 W, multi mode, 650 nm aiming beam , 200 μ m fiber	1.546,71	2.105,64
G098PU25W, 980+/-5 nm , 5 W, 400 μ m, NA 0.22, connector	1.130,00	1.538,35
G098PU209W, 980+/-5 nm , 9 W, 400 μ m, NA 0.22, connector	2.246,00	3.057,64
G098PU312W, 980+/-5 nm , 12 W, 700 μ m, NA 0.22, connector	3.410,00	4.642,27
G098PU322W, 980+/-5 nm , 22 W, 700 μ m, NA 0.22, connector	3.956,00	5.385,58
G131PU001S, 1310+/-30 nm , sm fiber, 1 mW, tr/ts= 0.5 ns, TEC	345,00	469,67
G145PU0400m, 1450 nm +/-30 nm , 400 mW, 100 μ m, NA 0.22, connector	366,00	498,26
G145PU23W, 1450 nm +/-30 nm , 3 W, 400 μ m, NA 0.22, connector	2.035,00	2.770,39
G145PU38W, 1450 nm +/-30 nm , 8 W, 600 μ m, NA 0.22, SMA-905	4.625,00	6.296,34
G155PU001S, 1550+/-40 nm , sm fiber, 1 mW, tr/ts= 0.5 ns, TEC	428,33	583,12

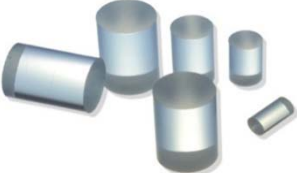
LASER DIODES - SINGLE BARS

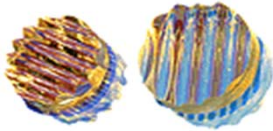
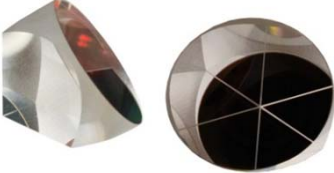
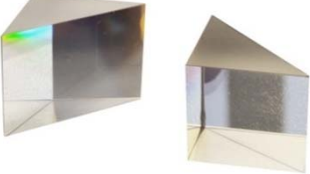
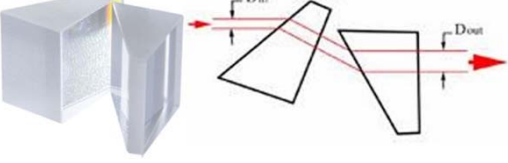
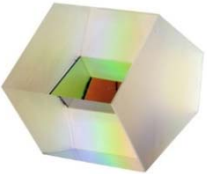
	EUR	USD
 high power single bar laser diodes - cw power: 20, 40 W - qcw power: 60, 100 W 780 - 980 nm	1-3 pcs.	1-3 pcs.
AB081C20W, 780..830 nm , 20W cw, 25 x 25 x 13 mm ³	483,33	658,00
AB081C40W, 780..830 nm , 40W cw, 25 x 25 x 13 mm ³	846,67	1.152,63
AB081Q60W, 780..830 nm , 60W qcw, 25 x 25 x 13 mm ³	200,00	272,27
AB081Q100W, 780..830 nm , 100W qcw, 25 x 25 x 13 mm ³	333,33	453,79
AB098C20W, 920..980 nm , 20W cw, 25 x 25 x 13 mm ³	398,75	542,85
AB098C40W, 920..980 nm , 40W cw, 25 x 25 x 13 mm ³	698,50	950,92

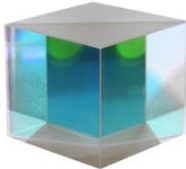
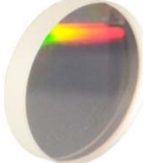
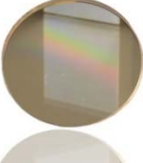
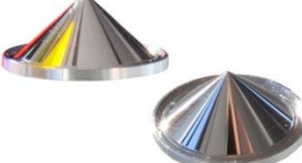
LASER DIODES - LINEAR ARRAYS		
	EUR	USD
 high power linear array laser diodes - cw power: 60 - 280 W 780 - 830 nm	1-3 pcs.	1-3 pcs.
AL081C60W, 780..830 nm, 60 W cw, 57 x 12 x 15.5 mm ³	1.215,00	1.654,06
AL081C100W, 780..830 nm, 100 W cw, 57 x 12 x 15.5 mm ³	2.025,00	2.756,77
AL081C120W, 780..830 nm, 120 W cw, 57 x 12 x 15.5 mm ³	2.430,00	3.308,13
AL081C140W, 780..830 nm, 140 W cw, 57 x 12 x 15.5 mm ³	2.835,00	3.859,48
AL081C200W, 780..830 nm, 200 W cw, 57 x 12 x 15.5 mm ³	4.050,00	5.513,55
AL081C280W, 780..830 nm, 280 W cw, 57 x 12 x 15.5 mm ³	5.670,00	7.718,97
LASER DIODES - STACKED ARRAYS		
	EUR	USD
 high power stacked array laser diodes - cw power: 60 - 480 W - qcw power: 300 - 1200 W 780 - 980 nm	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	2.807,83
AS081C100W, 780..830 nm, 100 W cw, 40 x 23.6 x 11 mm ³	3.066,25	4.174,30
AS081C120W, 780..830 nm, 120 W cw, 40 x 23.6 x 11 mm ³	2.866,88	3.902,88
AS081C140W, 780..830 nm, 140 W cw, 40 x 23.6 x 11 mm ³	4.122,25	5.611,91
AS081C200W, 780..830 nm, 200 W cw, 40 x 23.6 x 11 mm ³	4.365,63	5.943,23
AS081C280W, 780..830 nm, 280 W cw, 40 x 23.6 x 11 mm ³	5.500,00	7.487,54
AS081C320W, 780..830 nm, 320 W cw, 40 x 23.6 x 11 mm ³	6.710,00	9.134,79
AS081C480W, 780..830 nm, 480 W cw, 40 x 23.6 x 11 mm ³	9.748,75	13.271,66
AS098C60W, 920..980 nm, 60 W cw, 30 x 14 x 10 mm ³	2.062,50	2.807,83
AS098C100W, 920..980 nm, 100 W cw, 30 x 14 x 10 mm ³	3.066,25	4.174,30
QCW:		
AS081Q300W, 780..830 nm, 300 W qcw, 30 x 14 x 10 mm ³	810,00	1.102,71
AS081Q600W, 780..830 nm, 600 W qcw, 30 x 14 x 10 mm ³	1.350,00	1.837,85
AS081Q1200W, 780..830 nm, 1200 W qcw, 30 x 14 x 10 mm ³	2.565,00	3.491,91
AS081Q3000W, 780..830 nm, 3000 W qcw, 30 x 14 x 10 mm ³	6.750,00	9.189,25
AS081Q5000W, 780..830 nm, 5000 W qcw, 30 x 14 x 10 mm ³	10.800,00	14.702,80
AS081Q15000W, 780..830 nm, 15000 W qcw, 30 x 14 x 10 mm ³	29.700,00	40.432,69
AS098Q300W, 920..980 nm, 300 W qcw, 30 x 14 x 10 mm ³	687,50	935,94
AS098Q600W, 920..980 nm, 600 W qcw, 30 x 14 x 10 mm ³	1.309,00	1.782,03
AS098Q1200W, 920..980 nm, 1200 W qcw, 30 x 14 x 10 mm ³	2.487,38	3.386,24
VCSELS		
VCSEL RED 670 nm	EUR	USD
 VCSEL (Vertical Cavity Surface Emitting Laser diode) red 670 nm	1-9 pcs.	1-9 pcs.
VC670S-TO46FW, 670 nm, 0.5 mW, 4 mA, sm, 12°, TO-46, flat window	19,00	25,87
VC670M-TO46FW, 670 nm, 1.0 mW, 4 mA, mm, 20°, TO-46, flat window	19,00	25,87
VC670M-TO46FW-PD, 670 nm, 1.0 mW, 4 mA, mm, 20°, TO-46, flat window, with PD	19,00	25,87
VC670M-TO46GL, 670 nm, 1.0 mW, 5 mA, mm, 2°, TO-46, glass lens	14,90	20,28
VC670M-3CEP, 670 nm, 1.0 mW, 4 mA, mm, 15°, 3 mm ceramic with epoxy lens	14,90	20,28
VCSEL IR 780 nm, 850 nm, 980 nm	EUR	USD

	VCSEL (Vertical Cavity Surface Emitting Laser diode) infrared power up to 20 mW cw 780, 850 and 980 nm	1-9 pcs.	1-9 pcs.
VC780M-TO46FW, 780 nm , 1.5 mW, 6 mA, mm, TO-46, flat window, 2.5 Gbps --> phase out		7,88	10,73
VC780M-TO46BL, 780 nm , 1.5 mW, 6 mA, mm, TO-46, ball lens, 2.5 Gbps --> phase out		7,88	10,73
VC850S-SMD, 850 nm , 0.5 mW, 3.5 mA, sm, 8°, SMD 0603		16,20	22,05
VC850M-SMD, 850 nm , 0.5 mW, 4 mA, mm, 6°, SMD 0603		19,45	26,48
VC850M-TO46GL, 850 nm , 2 mW, 6 mA, mm, 5°, TO-46, glass lens		6,50	8,85
VC850M-TO46GL-3PIN, 850 nm , 2 mW, 6 mA, mm, 2°, TO-46, glass lens --> phase out		5,30	7,22
VC850M-H-TO46GL, 850 nm , 10 mW, 20 mA, mm, 2°, TO-46, glass lens		15,42	20,99
VC850M-H-TO46FW, 850 nm , 8 mW, 20 mA, mm, TO-46, flat window, >1.25Gbps		15,42	20,99
VC850M-H-TO46FW-PD, 850 nm , 10 mW, 20 mA, mm, TO-46, flat window, with PD, >1.25Gbps		16,45	22,39
VC850M-H2-TO46FW, 850 nm , 20 mW, 50 mA, mm, TO-46, flat window		28,00	38,12
VC980M-TO46FW, 980 nm , 1.5 mW, 6 mA, mm, 20°, TO-46, flat window		10,86	14,78
VCSEL IR MODULE 780 nm, 850 nm, 980 nm		EUR	USD
	infrared VCSEL in anodized aluminium header with adjustable 3-lens glass collimator	1-9 pcs.	1-9 pcs.
VC780S-MODULE, 780 nm , max. 0.25 mW, 5 mA, sm, 10x18 mm --> phase out		51,80	70,52
VC850S-MODULE, 850 nm , max. 0.4 mW, 4 mA, sm, 10x18 mm --> phase out		51,80	70,52
VC850M-MODULE, 850 nm , max. 5 mW, 20 mA, mm, 10x18 mm		51,80	70,52
VC980M-MODULE, 980 nm , max. 0.75 mW, 6 mA, mm, 10x18 mm		51,80	70,52
QUANTUM OPTICS DEVICES			
Time to Digital Converter		EUR	USD
	8 channel Time to Digital Converter - continuous / multi stop / single stop - 1ps resolution (2ch/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, 1ps resolution, up to 8 channels, GB-LAN, incl.software, 160x110x45mm		7.600,00	10.346,41
OPTICAL COMPONENTS FOR LASER DIODES			
LASER DIODE COLLIMATORS - MOLDED PLASTIC		EUR	USD
	laser diode collimating lenses made of PMMA available with and without anti reflective coating	1-99 pcs.	1-99 pcs.
GS-7020-2C, 7 x 3.3 mm, f = 8 mm, ARC, laser diode collimator ► PHASE OUT		1,81	2,46
GS-7027, 7 x 2.26 mm, f = 12 mm, laser diode collimator ► PHASE OUT		1,38	1,88
CAY046, 7.4 x 3.05 mm, f = 4.6 mm, NA = 0.40, laser diode collimator		3,89	5,30
CAX100, 6.28 x 2.44 mm, f = 10.0 mm, NA = 0.20, laser diode collimator		3,30	4,49
LENS-05A, 7 x 2.8 mm, f = 8 mm, laser diode collimator ► PHASE OUT		4,76	6,49
LC3, 3 x 2.4 mm, f = 4.5 mm, PMMA, laser diode collimator, uncoated		2,33	3,17
LC5, 5 x 2.3 mm, f = 6.5 mm, PMMA, laser diode collimator, uncoated		1,12	1,52
LC7, 7 x 3.15 mm, f = 7.8 mm, PMMA, laser diode collimator, uncoated		1,12	1,52
LC12, 7 x 3.15 mm, f = 12.5 mm, PMMA, laser diode collimator, uncoated		1,12	1,52
LASER DIODE COLLIMATORS - GLASS		EUR	USD

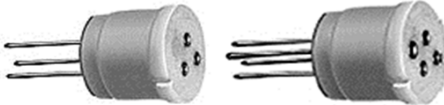
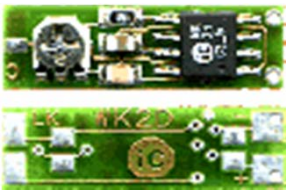
 glass laser diode collimating lenses M9x0.5 threaded housing 3 glass lens design and single glass lens design ARC for blue laser diodes available focal lengths 4 - 11 mm	1-49 pcs.	1-49 pcs.
LENS-45, single glass lens , 6.0x4.5mm, f=4mm, NA=0.39, ARC 400-450nm	6,80	9,26
RLC-103AF, 3 glass lens , M9x0.5, f = 8 mm, NA=0.3, ARC 630-670nm	9,50	12,93
GS-8020A, 3 glass lens , M9x0.5, o-ring sealing, f=8mm, NA=0.3, ARC 630-670nm	9,80	13,34
GS-8020B, 3 glass lens , M9x0.5, o-ring sealing, f=8mm, NA=0.3, ARC 400-450nm	9,80	13,34
RLY-133G, 3 glass lens , M9x0.5, f = 8.2 mm, NA=0.29, ARC 630-780nm	12,80	17,43
RLY-134G, 3 glass lens , M9x0.5, f = 8.2 mm, NA=0.29, ARC 630-780nm	12,80	17,43
LENS-15, single glass lens , 5 x 1.5mm, f=9mm, NA=0.11, ARC 630-670nm	6,80	9,26
LCB-3G, 3 glass lens , M9x0.5, f = 9.5 mm, NA=0.26, ARC 400-450nm	13,40	18,24
MPG-95, 3 glass lens , M9x0.5, f = 9.5 mm, NA=0.29, ARC 630-670nm	13,20	17,97
MPG-11, 3 glass lens , M9x0.5, f = 11 mm, NA=0.26, ARC 630-670nm	13,20	17,97
LASER DIODE COLLIMATORS ACHROMATIC DOUBLET LENS - GLASS	EUR	USD
 achromatic doublet lenses for limiting chromatic and spherical aberration best suited for laser diode collimation	1-49 pcs.	1-49 pcs.
DBS-05, glass doublet , 5.2 x 3 mm, f = 11 mm, NA=0.11, ARC	13,40	18,24
DBS-07, glass doublet , 6.5 x 3.6 mm, f = 15 mm, NA=0.18, ARC	14,10	19,20
DBS-14, glass doublet , 14 x 6.9 mm, f = 45 mm, NA=0.13, ARC	19,85	27,02
INFRARED FRESNEL LENSES FOR THERMAL APPLICATIONS	EUR	USD
 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, ...	1-99 pcs.	1-99 pcs.
FRES-MIR-12-A, size 12 x 0.6 mm, f=8 mm, white PE material	2,40	3,27
FRES-MIR-20-A, size 20 x 0.6 mm, f=20 mm, white PE material	2,56	3,49
FRES-MIR-12-B, size 12 x 0.6 mm, f=8 mm, dark PE material	2,40	3,27
FRES-MIR-20-B, size 20 x 0.6 mm, f=20 mm, dark PE material	2,56	3,49
SILICON LENSES FOR MID-IR and FAR-IR APPLICATIONS	EUR	USD
 silicon lenses for general MID-IR to FAR-IR thermal applications, transmission range: typ. 1.2 - 9 μm and 30 - 100 μm	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	134,78
MIR-SI-35-55, silicon plano convex lens, diameter: 35 mm, focus length: 55 mm, ct: 3.5 mm	121,00	164,73
GERMANIUM LENSES FOR MID-IR and FAR-IR APPLICATIONS	EUR	USD
 germanium lenses for general MID-IR to FAR-IR thermal applications, transmission range: typ. 2 - 17 μm	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	194,68
MIR-GE-35-55, germanium plano convex lens, diameter: 35 mm, FL: 55 mm, ct: 3.5 mm	187,00	254,58
ZINC SELENIDE LENSES FOR MID-IR and THERMAL APPLICATIONS	EUR	USD
 zinc selenide lenses for IR detectors, CO₂ laser focusing and general MID-IR to FAR-IR thermal applications, transmission range: typ. 600 nm - 16 μm	1-10 pcs.	1-10 pcs.

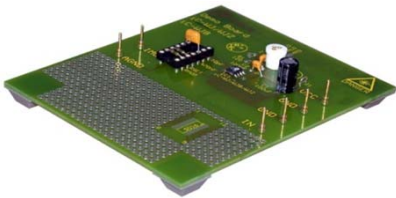
MIR-ZN-25-25, ZnSe plano convex lens, diameter: 25.4 mm, FL: 25.4 mm, ct: 4.0 mm	144,00	196,04
MIR-ZN-25-50, ZnSe plano convex lens, diameter: 25.4 mm, FL: 50.8 mm, ct: 2.5 mm	144,00	196,04
MIR-ZN-25-157, ZnSe plano convex lens, diameter: 25.4 mm, FL: 157 mm, ct: 2.5 mm	144,00	196,04
MIR-ZN-25-50-M, ZnSe meniscus lens, AR/AR 10.6um, dia. 25.4mm, FL 50.8mm, ct 2.5 mm	180,00	245,05
CALCIUM FLUORIDE LENSES FOR UV TO MID-IR APPLICATIONS	EUR	USD
 calcium fluoride lenses (CaF₂) 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	164,73
UVIR-CAF2-35-55, CaF ₂ plano convex lens, diameter: 35 mm, FL: 55 mm, ct: 10.0 mm	143,00	194,68
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	4,76
CL2.5x5.5, cylinder lens , diameter 2.5 mm, length 5.5 mm, BK-7 glass	3,50	4,76
CL4.0x6.0, cylinder lens , diameter 4.0 mm, length 6.0 mm, BK-7 glass	3,50	4,76
CL5.0x8.0, cylinder lens , diameter 5.0 mm, length 8.0 mm, +/-25°, BK-7 glass	3,50	4,76
CL7.0x10.0, cylinder lens , diameter 7.0 mm, length 10.0 mm, +/-15°, BK-7 glass	3,50	4,76
HCL8.2x3.4, half-cylinder lens , 8.2x3.4 mm, +/-8°, BK-7 glass	4,30	5,85
HCL10.0x2.0, half-cylinder lens , 10.0x2.0 mm, +/-1.5°, BK-7 glass	4,30	5,85
HCL10.0x7.0x3.7, half-cylinder lens , 10.0x7.0x3.7 mm, +/-12°, BK-7 glass	4,30	5,85
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	96,79
PL650-3-10, 10° line, beam Ø 3mm, wavelength 650nm, Ø 9 x 8 mm	71,10	96,79
PL650-5-10, 10° line, beam Ø 5mm, wavelength 650nm, Ø 9 x 8 mm	71,10	96,79
PLLG-15, 15°-line , beam Ø 1mm, wavelength 650nm, Ø 9 x 9 mm	118,10	160,78
PL532-1-15, 15° line, beam Ø 1mm, wavelength 532nm, Ø 9 x 8 mm	71,10	96,79
PL650-3-15, 15° line, beam Ø 3mm, wavelength 650nm, Ø 9 x 8 mm	71,10	96,79
PL650-5-15, 15° line, beam Ø 5mm, wavelength 650nm, Ø 9 x 8 mm	71,10	96,79
PLLG-30, 30°-line , beam Ø 1mm, wavelength 650nm, Ø 9 x 9 mm	118,10	160,78
PL532-1-30, 30° line, beam Ø 1mm, wavelength 532nm, Ø 9 x 8 mm	71,10	96,79
PL650-3-30, 30° line, beam Ø 3mm, wavelength 650nm, Ø 9 x 8 mm	71,10	96,79
PL650-5-30, 30° line, beam Ø 5mm, wavelength 650nm, Ø 9 x 8 mm	71,10	96,79
PLLG-45, 45°-line , beam Ø 1mm, wavelength 650nm, Ø 9 x 9 mm	118,10	160,78
PL532-1-45, 45° line, beam Ø 1mm, wavelength 532nm, Ø 9 x 8 mm	64,10	87,26
PL650-3-45, 45° line, beam Ø 3mm, wavelength 650nm, Ø 9 x 8 mm	64,10	87,26
PL650-5-45, 45° line, beam Ø 5mm, wavelength 650nm, Ø 9 x 8 mm	64,10	87,26
PLLG-60, 60°-line , beam Ø 1mm, wavelength 650nm, Ø 9 x 9 mm	118,10	160,78
PL532-1-60, 60° line, beam Ø 1mm, wavelength 532nm, Ø 9 x 8 mm	64,10	87,26
PL650-3-60, 60° line, beam Ø 3mm, wavelength 650nm, Ø 9 x 8 mm	64,10	87,26
PL650-5-60, 60° line, beam Ø 5mm, wavelength 650nm, Ø 9 x 8 mm	64,10	87,26
PLLG-90, 90°-line , beam Ø 1mm, wavelength 650nm, Ø 9 x 9 mm	118,10	160,78
PL532-1-90, 90° line, beam Ø 1mm, wavelength 532nm, Ø 9 x 8 mm	64,10	87,26
PL650-3-90, 90° line, beam Ø 3mm, wavelength 650nm, Ø 9 x 8 mm	64,10	87,26
PL650-5-90, 90° line, beam Ø 5mm, wavelength 650nm, Ø 9 x 8 mm	64,10	87,26
LINE & CROSS LINE GENERATORS - MOLDED PLASTIC	EUR	USD

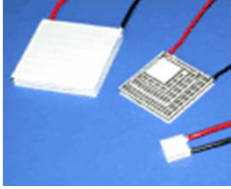
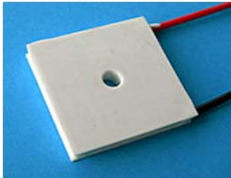
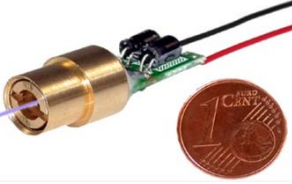
 molded plastic line generatoris and cross line generators	1-99 pcs.	1-99 pcs.
LG-35, 8 x 2 mm, 35°-lineoptik , PMMA	2,65	3,61
LG-58, 8 x 2 mm, 58°-lineoptik , PMMA	2,65	3,61
LG-90, 8 x 2 mm, 90°-lineoptik , PMMA	2,65	3,61
CG-58, 8 x 2 mm, 2 x 58°-cross-lineoptik , PMMA	2,98	4,06
RETROREFLECTORS	EUR	USD
 trihedral prisms or corner cubes do reflect a laser beam by 180° back to ist origin through total internal reflection	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	65,35
CCUBE-13-BK7, 12.7 x 9.5 mm, S/D 60/40, flatness $\lambda/10$, uncoated, BK7	70,00	95,30
CCUBE-25-K9, 25.4 x 19 mm, S/D 60/40, flatness $\lambda/10$, uncoated, H-K9L	48,00	65,35
CCUBE-25-BK7, 25.4 x 19 mm, S/D 60/40, flatness $\lambda/10$, uncoated, BK7	79,90	108,77
PRISMS	EUR	USD
 prisms can be used to deviate a laser beam by 90° or 180° depending on which side is used for the input beam	1-99 pcs.	1-99 pcs.
RA-PRISM-10-K9, Right Angle Prism, 10x10x10mm, $\lambda/10$, uncoated, H-K9L	16,00	21,78
RA-PRISM-10-BK7, Right Angle Prism, 10x10x10mm, $\lambda/10$, uncoated, BK7	17,50	23,82
RA-PRISM-20-K9, Right Angle Prism, 20x20x20mm, $\lambda/10$, uncoated, H-K9L	24,50	33,35
RA-PRISM-20-BK7, Right Angle Prism, 20x20x20mm, $\lambda/10$, uncoated, BK7	28,50	38,80
RA-PRISM-25-K9, Right Angle Prism, 25x25x25mm, $\lambda/10$, uncoated, H-K9L	29,10	39,62
RA-PRISM-25-BK7, Right Angle Prism, 25x25x25mm, $\lambda/10$, uncoated, BK7	33,10	45,06
ANAMORPHIC PRISMS	EUR	USD
 anamorphic prism pairs are used to convert an elliptic laser diode beam to near round beam profile	1-99 pcs.	1-99 pcs.
AN-PRISM-12-SF11, Anamorphic Prism, 12x12x8.5mm, $\lambda/10$, uncoated, SF11	44,00	59,90
EQUILATERAL PRISMS	EUR	USD
 equilateral or dispersion prisms have three equal 60° angles, and are used for spectral dispersion of light	1-99 pcs.	1-99 pcs.
EL-PRISM-25-K9, Equilateral Prism, 25.4mm, $\lambda/10$, uncoated, H-K9L	45,00	61,26
EL-PRISM-25-BK7, Equilateral Prism, 25.4mm, $\lambda/10$, uncoated, BK7	52,50	71,47
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, $\lambda/10$, AL coating, H-K9L	69,60	94,75
PT-PRISM-10-BK7, Penta Prism, 10x10mm, $\lambda/10$, AL coating, BK7	42,00	57,18
PT-PRISM-25-BK7, Penta Prism, 25.4x25.4mm, $\lambda/10$, AL coating, BK7	84,00	114,36
POLARIZING BEAMSPLITTER CUBES	EUR	USD

 beam splitter splits randomly polarized light into two linear polarized beams		
	1-99 pcs.	1-99 pcs.
PBS-05-BK7, Pol. Beamsplitter Cube, 5x5x5mm, $\lambda/4$, coating 450-650nm, BK7	110,00	149,75
PBS-10-ZF1, Pol. Beamsplitter Cube, 10x10x10mm, $\lambda/4$, coating 450-650nm, ZF1	92,00	125,25
PBS-10-BK7, Pol. Beamsplitter Cube, 10x10x10mm, $\lambda/4$, coating 450-650nm, BK7	117,50	159,96
PBS-20-ZF1, Pol. Beamsplitter Cube, 20x20x20mm, $\lambda/4$, coating 450-650nm, ZF1	98,60	134,23
PBS-20-BK7, Pol. Beamsplitter Cube, 20x20x20mm, $\lambda/4$, coating 450-650nm, BK7	133,20	181,33
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, $\varnothing$ 10 x 3 mm, uncoated, H-K9L glass	9,50	12,93
WIN-10-BK7, Window, $\varnothing$ 10 x 3 mm, uncoated, BK7 glass	9,50	12,93
WIN-13-K9, Window, $\varnothing$ 12.7 x 3 mm, uncoated, H-K9L glass	9,50	12,93
WIN-13-BK7, Window, $\varnothing$ 12.7 x 3 mm, uncoated, BK7 glass	9,50	12,93
WIN-15-K9, Window, $\varnothing$ 15 x 3 mm, uncoated, H-K9L glass	10,50	14,29
WIN-15-BK7, Window, $\varnothing$ 15 x 3 mm, uncoated, BK7 glass	10,50	14,29
WIN-20-K9, Window, $\varnothing$ 20 x 3 mm, uncoated, H-K9L glass	13,50	18,38
WIN-20-BK7, Window, $\varnothing$ 20 x 3 mm, uncoated, BK7 glass	13,50	18,38
WIN-25-K9, Window, $\varnothing$ 25.4 x 3 mm, uncoated, H-K9L glass	18,00	24,50
WIN-25-BK7, Window, $\varnothing$ 25.4 x 3 mm, uncoated, BK7 glass	18,00	24,50
WIN-30-K9, Window, $\varnothing$ 30 x 3 mm, uncoated, H-K9L glass	19,00	25,87
WIN-30-BK7, Window, $\varnothing$ 30 x 3 mm, uncoated, BK7 glass	19,00	25,87
WIN-50-K9, Window, $\varnothing$ 50.8 x 3 mm, uncoated, H-K9L glass	25,50	34,71
WIN-50-BK7, Window, $\varnothing$ 50.8 x 3 mm, uncoated, BK7 glass	25,50	34,71
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, $\varnothing$ 25.4 x 3 mm, $\lambda/10$, coating: AL+SiO ₂ , $R_{AVS} > 87\%$, H-K9L	36,50	49,69
MIR-AL-25BK, Mirror, $\varnothing$ 25.4 x 3 mm, $\lambda/10$, coating: AL+SiO ₂ , $R_{AVS} > 87\%$, BK7	37,50	51,05
MIR-AG-25K9, Mirror, $\varnothing$ 25.4 x 3 mm, $\lambda/10$, coating: AG+SiO ₂ , $R_{AVS} > 95\%$, H-K9L	38,50	52,41
MIR-AG-25BK, Mirror, $\varnothing$ 25.4 x 3 mm, $\lambda/10$, coating: AG+SiO ₂ , $R_{AVS} > 95\%$, BK7	39,50	53,77
CONE MIRRORS	EUR	USD
 cone mirrors are used to reflect a laser beam by 90° and spread it's light in an angle of 360°		
	1-99 pcs.	1-99 pcs.
CMIR-AL-70, Cone Mirror, $\varnothing$ 7.0 x 3.0 (6.0) mm, $\lambda/10$, Aluminum	o.r	o.r
BALL LENSES	EUR	USD
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		
	1-99 pcs.	1-99 pcs.
HL-01, Half ball lens, $\varnothing$ 1 mm, uncoated, H-K9L glass	11,90	16,20
HL-02, Half ball lens, $\varnothing$ 2 mm, uncoated, H-K9L glass	9,20	12,52
HL-03, Half ball lens, $\varnothing$ 3 mm, uncoated, H-K9L glass	20,26	12,52
HL-04, Half ball lens, $\varnothing$ 4 mm, uncoated, H-K9L glass	9,20	12,52

HBL-05, Half ball lens, Ø 5 mm, uncoated, H-K9L glass	9,20	12,52
HBL-06, Half ball lens, Ø 6 mm, uncoated, H-K9L glass	12,80	17,43
HBL-08, Half ball lens, Ø 8 mm, uncoated, H-K9L glass	12,80	17,43
HBL-10, Half ball lens, Ø 10 mm, uncoated, H-K9L glass	14,20	19,33
HBL-15, Half ball lens, Ø 15 mm, uncoated, H-K9L glass	17,50	23,82
HBL-18, Half ball lens, Ø 18 mm, uncoated, H-K9L glass	29,10	39,62
HBL-25, Half ball lens, Ø 25 mm, uncoated, H-K9L glass	33,60	45,74
HBL-38, Half ball lens, Ø 38 mm, uncoated, H-K9L glass	41,90	57,04
BALL LENSES	EUR	USD
 ball lenses with high refraction index for shortest focal length ideally suited for fiber coupling application, endoscopy, ...	1-99 pcs.	1-99 pcs.
BL-01, Ball Lens, Ø 1 mm, uncoated, H-K9L glass	9,90	13,48
BL-02, Ball Lens, Ø 2 mm, uncoated, H-K9L glass	8,20	11,16
BL-03, Ball Lens, Ø 3 mm, uncoated, H-K9L glass	8,20	11,16
BL-04, Ball Lens, Ø 4 mm, uncoated, H-K9L glass	8,20	11,16
BL-05, Ball Lens, Ø 5 mm, uncoated, H-K9L glass	8,20	11,16
BL-06, Ball Lens, Ø 6 mm, uncoated, H-K9L glass	11,80	16,06
BL-08, Ball Lens, Ø 8 mm, uncoated, H-K9L glass	9,30	12,66
BL-10, Ball Lens, Ø 10 mm, uncoated, H-K9L glass	13,10	17,83
BL-15, Ball Lens, Ø 15 mm, uncoated, H-K9L glass	15,50	21,10
BL-18, Ball Lens, Ø 18 mm, uncoated, H-K9L glass	57,90	78,82
BL-25, Ball Lens, Ø 25 mm, uncoated, H-K9L glass	62,40	84,95
BL-38, Ball Lens, Ø 38 mm, uncoated, H-K9L glass	68,70	93,53
FIBER OPTIC COLLIMATOR LENSES	EUR	USD
 Collimate light exiting a fiber to a selected spot size. The lenses are broadband coated, but can be also offered with customized antireflection coating. The units are available with FC/PC or SMA connector. focal lengths 4 - 40 mm, spot size 1.1 - 11 mm	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	262,32
FOC-A4F30-SMA, f = 4 mm, 3 mrad, spot Ø1.1 mm, Ø18 x 29 mm, SMA connector	192,69	262,32
FOC-C10F12-FC, f = 10 mm, 1.2 mrad, spot Ø2.75 mm, Ø18 x 30.4 mm, FC connector	207,03	281,84
FOC-C10F12-SMA, f = 10 mm, 1.2 mrad, spot Ø2.75 mm, Ø18 x 30.4 mm, SMA connector	207,03	281,84
FOC-C15F10-FC, f = 15 mm, 1 mrad, spot Ø4 mm, Ø18 x 30.4 mm, FC connector	207,03	281,84
FOC-C15F10-SMA, f = 15 mm, 1 mrad, spot Ø4 mm, Ø18 x 30.4 mm, SMA connector	207,03	281,84
FOC-C15F10Q-FC, f = 15 mm, 1 mrad, spot Ø4 mm, quartz lens, Ø18 x 30.4 mm, FC connector	221,36	301,35
FOC-C15F10Q-SMA, f = 15 mm, 1 mrad, spot Ø4 mm, quartz lens, Ø18 x 30.4 mm, SMA conn.	221,36	301,35
FOC-B18F07-FC, f = 18 mm, 0.7 mrad, spot Ø5 mm, Ø18 x 34 mm, FC connector	192,69	262,32
FOC-B18F07-SMA, f = 18 mm, 0.7 mrad, spot Ø5 mm, Ø18 x 34 mm, SMA connector	192,69	262,32
FOC-C20F10-FC, f = 20 mm, 1 mrad, spot Ø5.5 mm, Ø18 x 30.4 mm, FC connector	207,03	281,84
FOC-C20F10-SMA, f = 20 mm, 1 mrad, spot Ø5.5 mm, Ø18 x 30.4 mm, SMA connector	207,03	281,84
FOC-C20F05D-FC, f = 20 mm, 0.5 mrad, spot Ø5.5 mm, double lens, Ø18 x 30.4 mm, FC conn.	221,36	301,35
FOC-C20F05D-SMA, f = 20 mm, 0.5 mrad, spot Ø5.5 mm, double lens, Ø18 x 30.4 mm, SMA	221,36	301,35
FOC-D30F07-FC, f = 30 mm, 0.7 mrad, spot Ø8.2 mm, Ø25.4 x 56.1 mm, FC connector	235,69	320,86
FOC-D30F07-SMA, f = 30 mm, 0.7 mrad, spot Ø8.2 mm, Ø25.4 x 56.1 mm, SMA connector	235,69	320,86
FOC-D40F07-FC, f = 40 mm, 0.7 mrad, spot Ø11 mm, Ø25.4 x 56.1 mm, FC connector	235,69	320,86
FOC-D40F07-SMA, f = 40 mm, 0.7 mrad, spot Ø11 mm, Ø25.4 x 56.1 mm, SMA connector	235,69	320,86
FOC-D40F08D-FC, f = 40 mm, 0.8 mrad, spot Ø11 mm, double lens, Ø25.4 x 56.1 mm, FC conn.	251,62	342,55
FOC-D40F08D-SMA, f = 40 mm, 0.8 mrad, spot Ø11 mm, double lens, Ø25.4 x 56.1 mm, SMA	251,62	342,55
FOC-D40F02Q-FC, f = 40 mm, 0.2 mrad, spot Ø11 mm, quartz lens, Ø25.4 x 56.1 mm, FC conn.	251,62	342,55
FOC-D40F02Q-SMA, f = 40 mm, 0.2 mrad, spot Ø11 mm, quartz lens, Ø25.4 x 56.1 mm, SMA	251,62	342,55
DIFFRACTIVE PATTERN GENERATORS	EUR	USD
 diffractive pattern generators made from ruled PMMA sheets standard figures: line, circle, cross line special patterns available on request	1-99 pcs.	1-99 pcs.

DPG11, circle , angle 3°, acrylic die, 7 x 1 mm	1,10	1,49
DPG12, line , angle 6°, acrylic die, 7 x 1 mm	1,10	1,49
DPG18, cross line , angle 8.8°, acrylic die, 7 x 1 mm	1,10	1,49
ACCESSORIES FOR LASER DIODES		
MOUNTING TUBES FOR LASER DIODES AND OPTICS	EUR	USD
 Complete Laser Diode Assembly - 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	24,64
LDA-56, 5.6 mm laser diode assembly with focussable acryl lens f=6.5mm, 11x12 mm, brass	19,20	26,14
LDA-90, 9.0 mm laser diode assembly with focussable acryl lens f=6.5mm, 11x14 mm, brass	19,20	26,14
 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	1-99 pcs.	1-99 pcs.
LDMT-56-10, 5.6 mm LD mountingtube, 10x18 mm, thread M9 x 0.5	14,29	19,46
LDMT-56-10-LT, 5.6 mm LD mountingtube, 10x18 mm, long thread M9 x 0.5	14,29	19,46
LDMT-90-10, 9.0 mm LD mountingtube, 10x18 mm, thread M9 x 0.5	14,29	19,46
LDMT-90-10-LT, 9.0 mm LD mountingtube, 10x18 mm, long thread M9 x 0.5	14,29	19,46
LDMT-90-11, 9.0 mm LD mountingtube, 11x18 mm, thread M9 x 0.5	14,29	19,46
SOCKETS FOR LASER DIODES	EUR	USD
 laser diode socket teflon body, gold plated contacts, 3 pins or 4 pins, superior quality, for 5.6 and 9.0 mm laser diodes	1-99 pcs.	1-99 pcs.
LDS-T-3, laser diode socket 3-pin version, teflon, gold plated, superior quality	4,82	6,56
LDS-T-4, laser diode socket 4-pin version, teflon, gold plated, superior quality	5,62	7,65
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.
for N-type laserdiodes, common LD+ and PD-		
iC-WK2D, 6.5 x 20 mm ² , PCB-board, N-type, CAC	9,53	12,97
iC-WKL2D, 6.5 x 20 mm ² , PCB-board, N-type, CAC	10,79	14,69
EU-37, 10.5 x 18 mm ² , APC, 4.5-6 VDC, slow start, max 200 mA	9,54	12,99
EU-39, 9 x 16 mm ² , APC, 3 VDC, max 300 mA	9,54	12,99
EU-38-1, 35 x 14 mm ² , constant current, max. 1.0 A	19,00	25,87
EU-38-PD, 35 x 14 mm ² , auto power control, LD current max. 1 A	24,00	32,67
EU-38-TTL, 35 x 14 mm ² , constant current, TTL modulable, LD current max. 1 A	22,00	29,95
EU-42, 10.5 x 11.3 mm ² , APC, modulable up to 300Khz	9,54	12,99
for M-type laserdiodes, common LD- and PD-		
iC-WK1D, 6.5 x 20 mm ² , PCB-board, M-type, CCA	9,53	12,97
iC-WKL1D, 6.5 x 20 mm ² , PCB-board, M-type, CCA	10,79	14,69
EU-38-PD, 35 x 14 mm ² , auto power control, LD current max. 1 A	24,00	32,67
EU-38-TTL, 35 x 14 mm ² , constant current, TTL modulable, LD current max. 1 A	22,00	29,95
for P-type laserdiodes, common LD- and PD+		
iC-WK1D, 6.5 x 20 mm ² , PCB-board, P-type, CCA	9,53	12,97
iC-WKL1D, 6.5 x 20 mm ² , PCB-board, P-type, CCA	10,79	14,69

EU-38-PD , 35 x 14 mm ² , auto power control, LD current max. 1 A	24,00	32,67
EU-38-TTL , 35 x 14 mm ² , constant current, TTL modulable, LD current max. 1 A	22,00	29,95
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	5,51
iC-VJZ SO16N , driver IC for cw laser diodes	4,05	5,51
iC-WJ SO8 , driver IC for cw laser diodes	3,67	4,99
iC-WJ MSOP8 , driver IC for cw laser diodes	3,77	5,13
iC-WJZ SO8 , driver IC for cw laser diodes	3,67	4,99
iC-WJZ MSOP8 , driver IC for cw laser diodes	3,77	5,13
iC-WJB SO8 , driver IC for cw laser diodes, 2.7 VDC	3,91	5,32
iC-WJB MSOP8 , driver IC for cw laser diodes, 2.7 VDC	4,01	5,46
iC-WK SO8 , driver IC for any laser diode polarity, 2.4 VDC	3,29	4,47
iC-WK MSOP8 , driver IC for any laser diode polarity, 2.4 VDC	3,35	4,56
iC-WKL SO8 , driver IC for any laser diode polarity, industrial, 2.4 VDC	3,90	5,31
iC-WKL MSOP8 , driver IC for any laser diode polarity, industrial, 2.4 VDC	3,90	5,31
iC-HB QFN24 , triple laser diode switch 155 MHz, with LVDS inputs	5,00	6,81
iC-HG QFN28 , laser diode switch 200 MHz, Ip up to 3 A	10,00	13,61
iC-HK SO8-TP , laser diode switch 155 MHz, Ip up to 700 mA	3,13	4,26
iC-HK MSOP8 , laser diode switch 155 MHz, Ip up to 700 mA	3,13	4,26
iC-HKB SO8-TP , laser diode switch 155 MHz for blue laser diodes, Ip up to 700 mA	3,13	4,26
iC-HKB MSOP8 , laser diode switch 155 MHz for blue laser diodes, Ip up to 700 mA	3,30	4,49
iC-WKM SO8-TP , cw M-type laser diode driver IC, up to 350 mA, Ub: 3.6 - 15 VDC	4,40	5,99
iC-WKM DFN10 , cw M-type laser diode driver IC, up to 350 mA, Ub: 3.6 - 15 VDC	4,40	5,99
iC-WKN SO8-TP , cw N-type laser diode driver IC, up to 300 mA, Ub: 2.4 - 15 VDC	4,40	5,99
iC-WKN DFN10 , cw N-type laser diode driver IC, up to 300 mA, Ub: 2.4 - 15 VDC	4,40	5,99
iC-WKP SO8-TP , cw P-type laser diode IC, up to 350 mA, Ub: 3.0 - 15 VDC	4,40	5,99
iC-WKP DFN10 , cw P-type laser diode IC, up to 350 mA, Ub: 3.0 - 15 VDC	4,40	5,99
iC-NZ QFN28 , laser diode pulse driver IC, 3.5 - 5.5 V supply, cw .. 155 MHz	10,00	13,61
iC-NZN QFN24 , N-type laser diode pulse driver IC, 3.5 - 5.5 V supply, cw .. 155 MHz	6,00	8,17
iC-NZP QFN24 , P-type laser diode pulse driver IC, 3.5 - 5.5 V supply, cw .. 155 MHz	6,00	8,17
iC-HL DFN10 , programable laser bias resistor	6,00	8,17
EVALUATION BOARDS FOR LASER DIODE DRIVER ICs	EUR	USD
 evaluation boards, to set up your iC drivers easily	1-49 pcs.	1-49 pcs.
iC-HG EVAL HG1D , demo board for iC-HG, including 2 samples	76,00	103,46
iC-NZ EVAL NZ1D , demo board for iC-NZ, including 2 samples	76,00	103,46
iC-NZN EVAL NZN1D , demo board for iC-NZN, including 2 samples	76,00	103,46
iC-NZP EVAL NZP1D , demo board for iC-NZP, including 2 samples	76,00	103,46
iC-VJ EVAL VJD , demo board for iC-VJ, including 2 samples	76,00	103,46
iC-VJZ EVAL VJD , demo board for iC-VJZ, including 2 samples	76,00	103,46
iC-WJ EVAL WJ1D , demo board for iC-WJ, including 2 samples	76,00	103,46
iC-WJB EVAL WJ1D , demo board for iC-WJB, including 2 samples	76,00	103,46
iC-WJZ EVAL WJ1D , demo board for iC-WJZ, including 2 samples	76,00	103,46
iC-WK EVAL WK4D , demo board for iC-WK, including 2 samples	76,00	103,46
iC-WKL EVAL WK4D , demo board for iC-WKL, including 2 samples	76,00	103,46
iC-WKN EVAL WK4D , demo board for iC-WKN, including 2 samples	76,00	103,46
iC-WKM EVAL WK1D , demo board for iC-WKM, including 2 samples	76,00	103,46
iC-WKP EVAL WK1D , demo board for iC-WKP, including 2 samples	76,00	103,46
THERMOELECTRIC COOLERS		
TEC ELEMENTS (peltier elements)	EUR	USD

	TEC elements for cooling and heating, diverse sizes and electrical properties 1-, 2-, 3- and 4 stage modules available Tmax: 125 °C OEM designs available on request	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	11,44
TES1-1702LT125 , 1 stage, 17 couples, 2.0V, 2A, 2.4W, dTmax: 64°C, 6.2x6.2x2.2 mm3		15,90	21,65
TES1-03103T125 , 1 stage, 31 couples, 3.7V, 3A, 7.0W, dTmax: 66°C, 15x15x3.5 mm3		8,70	11,84
TES1-3202T125 , 1 stage, 32 couples, 3.87V, 2A, 4.31W, dTmax: 66°C, 8.2x8.2x2.2 mm3		15,00	20,42
TES1-07103T125 , 1 stage, 71 couples, 8.5V, 3A, 15.8W, dTmax: 66°C, 23x23x3.5 mm3		12,60	17,15
TES1-12703T125 , 1 stage, 127 couples, 15.2V, 3A, 28.3W, dTmax: 66°C, 30x30x3.5 mm3		13,50	18,38
TEC1-12705T125 , 1 stage, 127 couples, 15.2V, 5A, 52.1W, dTmax: 67°C, 40x40x4.0 mm3		10,95	14,91
TEC2-25407T125 , 2 stages, 254 couples, 15.2V, 7A, dTmax: 100°C, 40x40x7.0 mm3		33,00	44,93
TEC3-22902T125 , 3 stages, 229 couples, 15.2V, 2A, dTmax: 100°C, 40x40x8.25 mm3		95,68	130,26
TES4-24601T125 , 4 stages, 246 couples, 15.2V, 1.3A, dTmax: 100°C, 30x30x14.5 mm		107,64	146,54
	TEC element size 30 x 30 x 5.5 mm² for cooling and heating with central hole 4.7 mm diameter	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	16,34
LASER MODULES - UV			
UV LASER DIODE MODULES, 375 nm, CW MODE		EUR	USD
	375 nm laser diode module, with TEC and TTL or analog modulation, fiber coupling option, 85 - 260 VAC power supply included 375 nm	1-3 pcs.	1-3 pcs.
LDM-375-10-TEC-M, 375 nm , 10-20 mW cw, stability <5%, laser head 91x52x33 mm		8.369,77	11.394,35
LDM-375-20-TEC-M, 375 nm , 20-30 mW cw, stability <5%, laser head 91x52x33 mm		8.503,68	11.576,65
LDM-375-50-TEC-M, 375 nm , 40-50 mW cw, stability <5%, laser head 91x52x33 mm		8.637,60	11.758,97
LDM-375-10-TEC-M-F, 375 nm , 10 mW cw, stability <5%, fiber coupled, MM		10.512,43	14.311,31
LASER MODULES - VIOLET			
VIOLET LASER DIODE MODULES, CW MODE		EUR	USD
	low cost violet laser diode module, ready to use, for science and fluorescence excitation applications based on GaN laser diodes 405 nm	1-9 pcs.	1-9 pcs.
SHM405-7, 405 nm , 7 mW, fixfocus, Ø12 x 30 mm, 3 VDC, typ. 70 mA		34,00	46,29
VIOLET LASER DIODE MODULES, STAR405 SERIES, CW+ MODULABLE		EUR	USD
	high quality violet laser diode module - low divergence 0.3 mrad - focusable glass lens - 1..20 mW - modulable up to 300 kHz TTL 405 nm	1-9 pcs.	1-9 pcs.
STAR405F1, 405 nm , 1 mW, 0.3 mrad, <300 kHz, Ø16 x 60 mm, 6 VDC		56,00	76,24
STAR405F5, 405 nm , 5 mW, 0.3 mrad, <300 kHz, Ø16 x 60 mm, 6 VDC		42,00	57,18
STAR405F10, 405 nm , 10 mW, 0.3 mrad, <300 kHz, Ø16 x 60 mm, 6 VDC		49,00	66,71
STAR405F20, 405 nm , 20 mW, 0.3 mrad, <300 kHz, Ø16 x 60 mm, 6 VDC		55,00	74,88
VIOLET LASER DIODE MODULES, CW MODE		EUR	USD

 violet laser diode module - APC (automatic power control) - low divergence - focusable glass lens - 1..100 mW 405 nm	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	70,79
RLDE405-12-6, 405 nm , 12 mW, 0.6 mrad, focusable, Ø22 x 65 mm, 6 VDC, <70 mA	98,00	133,41
VIOLET LASER DIODE MODULES, RLDE M SERIES, CW+ MODULABLE	EUR	USD
 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	1-9 pcs.	1-9 pcs.
RLDE405M-20-5, 405 nm , 20 mW, TTL <20 kHz, focusable, Ø16 x 50 mm, 5 VDC	116,00	157,92
RLDE405M-50-5, 405 nm , 50 mW, TTL <20 kHz, focusable, Ø22 x 65 mm, 5 VDC	126,00	171,53
RLDE405M-100-5, 405 nm , 50 mW, TTL <20 kHz, focusable, Ø22 x 65 mm, 5 VDC	138,00	187,87
VIOLET LASER DIODE MODULES, CW MODE	EUR	USD
 violet laser diode module based on GaN laser diodes 405 nm	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	456,06
LASER MODULES - BLUE		
BLUE LASER DIODE MODULES, CW450SERIES	EUR	USD
 small size, high quality blue laser diode module - APC (automatic power control) - 5 mW - fixfocus - wide input voltage range (2-5VDC) 450 nm	1-9 pcs.	1-9 pcs.
CW450-05, 450 nm , 5 mW, automatic power control, Ø12 x 22 (49) mm, 2-5 VDC	66,88	91,05
BLUE LASER DIODE MODULES, STAR450 SERIES, CW+ MODULABLE	EUR	USD
 high quality blue laser diode module - ACC (automatic current control) - focusable glass lens - 1..20 mW - modulable up to 500 kHz TTL 450 nm	1-9 pcs.	1-9 pcs.
STAR450F1, 450 nm , 1 mW, 0.3 mrad, <500 kHz, Ø16 x 60 mm, 6 VDC	155,00	211,01
STAR450F5, 450 nm , 5 mW, 0.3 mrad, <500 kHz, Ø16 x 60 mm, 6 VDC	136,00	185,15
STAR450F10, 450 nm , 10 mW, 0.3 mrad, <500 kHz, Ø16 x 60 mm, 6 VDC	166,00	225,99
STAR450F20, 450 nm , 20 mW, 0.3 mrad, <500 kHz, Ø16 x 60 mm, 6 VDC	179,00	243,69
BLUE LASER DIODE MODULES, RLDD450 SERIES, CW	EUR	USD
 high quality blue laser diode module - ACC (automatic current control) - focusable glass lens - 1..40 mW 450 nm	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	174,26
BLUE DIODE PUMPED LASER MODULES CW series	EUR	USD

	small size, high quality, solid state cw blue laser modules, featuring external 3 VDC driver circuit cooling neccessary! 473 nm		
		1-3 pcs.	1-3 pcs.
CW473-1, 473 nm , 1 mW, 15 mrad, cw, Ø26 x 56 mm, 3.0 VDC		652,17	887,84
CW473-5, 473 nm , 5 mW, 15 mrad, cw, Ø26 x 56 mm, 3.0 VDC		700,00	952,96
CW473-20, 473 nm , 50 mW, 15 mrad, cw, Ø26 x 56 mm, 3.0 VDC		800,00	1.089,10
CW473-50, 473 nm , 80 mW, 15 mrad, cw, Ø26 x 56 mm, 3.0 VDC		956,52	1.302,18
BLUE LASER DIODE MODULES, 488 nm, CW MODE		EUR	USD
	488 nm laser diode module with TEC and TTL or analog modulation, 85-260 VAC power supply included 488 nm		
		1-3 pcs.	1-3 pcs.
LDM-488-10-TEC-M, 488 nm , 10 mW cw, stability <5%, laser head 91x52x33 mm		8.200,00	11.163,23
LASER MODULES - GREEN			
CW520 series DIRECT EMITTING LASER DIODE		EUR	USD
	small size, high quality green laser diode module - APC (automatic power control) - 1 and 5 mW available - fixfocus - wide input voltage range (3-5VDC) 515 nm		
		1-9 pcs.	1-9 pcs.
CW520-01, 515 nm , 1 mW, CW, automatic power control, Ø12 x 22 (49) mm, 3-5 VDC, class 2		102,10	139,00
CW520-05, 515 nm , 5 mW, CW, automatic power control, Ø12 x 22 (49) mm, 3-5 VDC		118,10	160,78
RFD series DIRECT EMITTING LASER DIODE		EUR	USD
	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 520 nm		
		1-3 pcs.	1-3 pcs.
RFD520-1-3, 520 nm , 1 mW, ACC, 0.6 mrad, qcw, Ø8 x 36mm, 3VDC, 35 mA		95,55	130,08
RFD520-5-5, 520 nm , 5 mW, ACC, 0.6 mrad, qcw, Ø8 x 36mm, 5VDC, 60 mA		107,50	146,35
RFD520-12-5, 520 nm , 12 mW, ACC, 0.6 mrad, qcw, Ø8 x 36mm, 5VDC, 115 mA		143,30	195,08
RLCW520 series DIRECT EMITTING LASER DIODE		EUR	USD
	DIRECT EMITTING green diode laser modules - glass lens, fixed focus - CW operation - APC (automatic power control) - wide operating temperature (-10...+60°C) 520 nm		
		1-9 pcs.	1-9 pcs.
RLCW520-5-5, 520 nm , 5 mW, APC, 0.8 mrad, fixed focus, Ø8 x 35 mm, 5 VDC, 120 mA		165,00	224,63
RLCW520-12-5, 520 nm , 12 mW, APC, 0.8 mrad, fixed focus, Ø8 x 35 mm, 5 VDC, 250 mA		182,00	247,77
RLDD520F series DIRECT EMITTING LASER DIODE		EUR	USD
	DIRECT EMITTING green diode laser modules - focusable glass lens - CW operation - APC (automatic power control) - wide operating temperature (-10...+60°C) 520 nm		
		1-9 pcs.	1-9 pcs.
RLCW520F-9-5, 520 nm , 9 mW, APC, 0.8 mrad, focusable, Ø16 x 65 mm, 5 VDC, 100 mA		182,00	247,77
RLDJ MICRO series		EUR	USD

 Smallest size green DPSS laser - Ø 6.5 x 8 mm - without lens (divergence 10 mrad) - output aperture ~3 mm - cooling neccessary!	1-3 pcs.	1-3 pcs.
RLDJ532-5-3, 532 nm , <5 mW, ACC, cw, Ø6.5 x 8 mm, 3.0 VDC, <250 mA	56,00	76,24
CW series	EUR	USD
 low cost, high quality small size solid state cw green laser modules --> heat sink available 532 nm	1-3 pcs.	1-3 pcs.
CW532-001, 532 nm , <1 mW, APC, 1.2 mrad, cw, Ø12 x 31.3 (47.3) mm, 3.0 VDC, <300 mA	36,00	49,01
CW532-005, 532 nm , <5 mW, APC, 1.2 mrad, cw, Ø12 x 31.3 (47.3) mm, 3.0 VDC, <300 mA	39,00	53,09
CW532-010, 532 nm , <10 mW, APC, 1.2 mrad, cw, Ø12 x 31.3 (47.3) mm, 3.0 VDC, <300 mA	55,00	74,88
CW532-020, 532 nm , <20 mW, APC, 1.2 mrad, cw, Ø12 x 31.3 (47.3) mm, 3.0 VDC, <300 mA	69,00	93,93
CW532-030, 532 nm , 30 mW, APC, 1.2 mrad, cw, Ø12 x 31.3 (47.3) mm, 3.0 VDC, <400 mA	92,00	125,25
CW532-050, 532 nm , 50 mW, APC, 1.2 mrad, cw, Ø12 x 35.3 (60) mm, 3.0 VDC, <650 mA	99,00	134,78
CW532-100, 532 nm , 100 mW, ACC, 1.2 mrad, cw, Ø12 x 33 (50) mm, 3.0 VDC, <650 mA	199,00	270,91
CW 831 series	EUR	USD
 small, high quality auto power control solid state cw green laser modules cooling neccessary! 532 nm	1-3 pcs.	1-3 pcs.
CW532-1-831, 532 nm , <1 mW, APC, 1.2 mrad, cw, Ø8 x 30.5 (46.5) mm, 3.0 VDC	35,00	47,65
CW532-5-831, 532 nm , <5 mW, APC, 1.2 mrad, cw, Ø8 x 30.5 (46.5) mm, 3.0 VDC	35,00	47,65
CW 04 series	EUR	USD
 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 532 nm	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	270,91
CW532-04-5, 532 nm , <5 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC	219,00	298,14
CW532-04-10, 532 nm , <10 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC	229,00	311,75
CW532-04-20, 532 nm , <20 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC	318,00	432,92
CW532-04-30, 532 nm , >30 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC	365,00	496,90
CW532-04-50, 532 nm , >50 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC	449,00	611,26
CW532-04-100, 532 nm , >100 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC	629,00	856,30
GREEN DIODE PUMPED LASER MODULES GLML3C1 series	EUR	USD
 diode pumped solid state green laser modules, ready to use, auto power control, external driver unit, CW and modulation supply voltage: 9.0 VDC 532 nm	1-3 pcs.	1-3 pcs.
GLML3C1-50, 532 nm , >50 mW, cw+modulable, case, BNC, 9 VDC	825,00	1.123,13
GREEN DIODE PUMPED LASER MODULES MGM2 series	EUR	USD
 diode pumped solid state green laser modules, ready to use, auto power control, external driver unit, CW and modulation supply voltage: 6.0 VDC 532 nm	1-3 pcs.	1-3 pcs.
MGM2-01 532 nm , <1 mW, 1.4 mrad, cw+modulation, case, BNC, 6.0 VDC	390,00	530,93
CW HT series	EUR	USD

 wide temperature range (10 - 50 °C), small size, green DPSS laser modules, APC cooling necessary! 532 nm	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	124,00	168,81
CW532HT-5, 532 nm , 3-5 mW, APC, 10-50°C , 1.2 mrad, cw, Ø12 x 31.3 (47.3) mm, 3 VDC	143,00	194,68
LAS532-WT50-3, 532 nm , 3.25 mW, APC, -10-50°C , 1.7 mrad, cw, Ø12 x 35mm, 3 VDC	102,00	138,86
CW F series	EUR	USD
 focusable solid state auto power control cw green laser modules cooling necessary! 532 nm	1-3 pcs.	1-3 pcs.
CW532-001F, 532 nm , <1 mW, APC, focusable, Ø13 x 36.5 (53) mm, 3.0 VDC, <300 mA	42,50	57,86
CW532-005F, 532 nm , <5 mW, APC, focusable, Ø13 x 36.5 (53) mm, 3.0 VDC, <300 mA	42,50	57,86
CW532-010F, 532 nm , <10 mW, APC, focusable, Ø13 x 36.5 (53) mm, 3.0 VDC, <300 mA	52,50	71,47
CW532-020F, 532 nm , <20 mW, APC, focusable, Ø13 x 36.5 (53) mm, 3.0 VDC, <300 mA	66,00	89,85
CW532-050F, 532 nm , 50 mW, ACC, focusable, Ø13 x 36.5 (53) mm, 3.0 VDC, <650 mA	99,20	135,05
CW532-100F, 532 nm , 100 mW, ACC, focusable, Ø13 x 36.5 (53) mm, 3.0 VDC, <650 mA	196,00	266,83
RLDD series	EUR	USD
 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 532 nm	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	144,51
RLDD532-3-3, 532 nm , 3 mW, APC, 0.5 mrad, cw, Ø16 x 60 mm, 3.0 VDC	80,77	109,96
RLDD532-5-3, 532 nm , 5 mW, APC, 0.5 mrad, cw, Ø16 x 60 mm, 3.0 VDC	90,77	123,57
RLDD532-10-3, 532 nm , 10 mW, APC, 0.5 mrad, cw, Ø20 x 80 mm, 3.0 VDC	122,31	166,51
RLDD532-50-5, 532 nm , 50 mW, APC, 0.5 mrad, cw, 42x80mm + 37x37x39mm driver 5.0 V	313,00	426,11
LASER MODULES - GREEN LINE		
RLLC520 series, LINE LASER MODULE	EUR	USD
 DIRECT EMITTING green line laser modules - APC (automatic power control) - 90° line, cylinder lens - focusable glass lens - wide operating temperature (-10..+60°C) 520 nm	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	247,77
CW532 L series	EUR	USD
 60° green line generator, high quality, small size solid state cw green laser modules cooling necessary! 532 nm	1-3 pcs.	1-3 pcs.
CW532-001L, 532 nm , <1 mW, APC, 60° line, cw, Ø8 x 33 (52) mm, 3.0 VDC, <300 mA	39,90	54,32
CW532-5-833L, 532 nm , <5 mW, APC, 60° line, cw, Ø8 x 33 (52) mm, 3.0 VDC, <300 mA	39,90	54,32
 60° green line generator, small size solid state cw green laser modules cooling necessary! --> heat sink available 532 nm	1-3 pcs.	1-3 pcs.
CW532-005L, 532 nm , <5 mW, APC, 60° line, cw, Ø12 x 35 (51) mm, 3.0 VDC	43,10	58,68

CW532-010L, 532 nm , <10 mW, APC, 60° line, cw, Ø12 x 35 (51) mm, 3.0 VDC	59,40	80,87
CW532-020L, 532 nm , <20 mW, APC, 60° line, cw, Ø12 x 35 (51) mm, 3.0 VDC	72,60	98,84
CW532-030L, 532 nm , 30 mW, ACC, 60° line, cw, Ø12 x 35 (51) mm, 3.0 VDC	96,00	130,69
CW532-050L, 532 nm , 50 mW, ACC, 60° line, cw, Ø12 x 35 (51) mm, 3.0 VDC	103,50	140,90
CW532-100L, 532 nm , 100 mW, ACC, 60° line, cw, Ø12 x 35 (51) mm, 3.0 VDC	203,50	277,04

RLLD series	EUR	USD
 90° green line generator, high quality, auto power control, small size solid state cw 532 nm	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	66,00	89,85

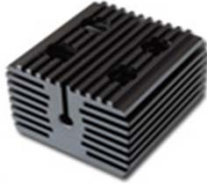
LASER MODULES - GREEN CROSS LINE

RLCE520 series, CROSS LINE LASER MODULE		DIRECT EMITTING LASER DIODE	EUR	USD
		DIRECT EMITTING green cross line laser modules - APC (automatic power control) - 90° cross line, cylinder lenses - fixed focus - wide operating temperature (-10..+60°C) 520 nm	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	247,77
--	--------	--------

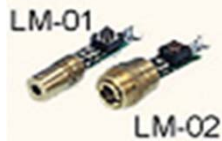
RLCA series	EUR	USD
 green cross line generator, high quality, auto power control, small size solid state cw 532 nm	1-3 pcs.	1-3 pcs.
RLCA532-5-3, 532 nm , <5 mW, APC, cross line, cw, Ø20 x 95 mm, 3.0 VDC, <300 mA	91,00	123,88

HEAT SINKS FOR CW532 MODULES

	EUR	USD
 heat sink 50 x 50 x 34 mm for CW532 series and other 12 mm diameter laser modules	1-9 pcs.	1-9 pcs.
Heat Sink SQ50x34 , for CW532, black aluminium, 50 x 50 x 34 mm, 114 g	18,90	25,73

LASER MODULES - RED

LOW COST LASER DIODE MODULES	EUR	USD
 LDM635-03-05x25 low cost laser diode module for general purposes, 635 nm, < 3 mW	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
 LM-0x low cost laser diode module series for general purposes, 650 nm, typ. < 3 mW PHASE OUT!	1-99 pcs.	1-99 pcs.
LM-01, 650 nm , <3 mW, dot, fixfocus, Ø8 x 29.5 mm, 3.0 VDC	3,50	4,76

LM-02, 650 nm , <3 mW, dot, fixfocus, Ø12 x 30.5 mm, 3.0 VDC	3,50	4,76
 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	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	11,54
LM-101-A16F, 650 nm , <1 mW, focusable, Laser Class II, Ø9 x 26 mm, 3-5 VDC	8,48	11,54
 low cost red laser module series, for general purpose power typ <1 mW or <5 mW, custom design on request 635, 650 nm	1-99 pcs.	1-99 pcs.
LM-101-C4, 635 nm , <1 mW, TUV, Ø8 x 24 mm, 3.0 VDC	6,35	8,64
LM-103-C004, 635 nm , <5 mW, FDA, Ø8 x 24 mm, 3.0 VDC	6,35	8,64
LM-101-A4, 650 nm , <1 mW, TUV, Ø8 x 24 mm, 3.0 VDC	4,98	6,78
LM-102-B004, 650 nm , <5 mW, FDA, Ø8 x 24 mm, 3.0 VDC	4,98	6,78
 low cost laser diode module for general purposes, visible wavelength 650 nm	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	9,38
 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!	1-99 pcs.	1-99 pcs.
RLM-650-A-3, 650 nm , typ. 3..5 mW, Ø10 x 26.5 mm, 3.0-4.5 VDC	5,83	7,94
RLM-650-A-1, 650 nm , <1 mW, Ø10 x 26.5 mm, 3.0-4.5 VDC	5,83	7,94
RLM-635-A-3, 635 nm , typ. 3..5 mW, Ø10 x 26.5 mm, 3.0-4.5 VDC	13,78	18,76
RLM-635-B-3, 635 nm , typ. 3..5 mW, Ø8 x 23.5 mm, 3.0-4.5 VDC	13,78	18,76
RLM-635-B-1, 635 nm , <1 mW, Ø8 x 23.5 mm, 3.0-4.5 VDC	13,78	18,76
LJ series	EUR	USD
 LJ series laser diode module, diverse wavelenths available, complete and ready to use, focusable single element aspheric acrylic collimator optic 635, 650 nm	1-9 pcs.	1-9 pcs.
LDM635/1LJ, 635 nm , 1 mW, focusable, 3-6 V, Ø12 x 30.5 mm	29,60	40,30
LDM635/3LJ, 635 nm , 3 mW, focusable, 3-6 V, Ø12 x 30.5 mm	29,60	40,30
LDM635/5LJ, 635 nm , 5 mW, focusable, 3-6 V, Ø12 x 30.5 mm	34,00	46,29
LDM650/1LJ, 650 nm , 1 mW, focusable, 3-6 V, Ø12 x 30.5 mm	26,80	36,48
LDM650/3LJ, 650 nm , 3 mW, focusable, 3-6 V, Ø12 x 30.5 mm	15,50	21,10
LDM650/5LJ, 650 nm , 5 mW, focusable, 3-6 V, Ø12 x 30.5 mm	17,50	23,82
LJM series (modulable DC..100 kHz)	EUR	USD
 LJM series laser diode module, complete and ready to use, focusable acrylic collimator optic with modulation DC to 300 kHz, analog and digital 635, 650 nm	1-9 pcs.	1-9 pcs.
LDM635/1LJM, 635 nm , 1 mW, focusable, 3-6 V, Ø12 x 30.5 mm	28,00	38,12
LDM635/5LJM, 635 nm , 5 mW, focusable, 3-6 V, Ø12 x 30.5 mm	29,40	40,02
LDM650/1LJM, 650 nm , 1 mW, focusable, 3-6 V, Ø12 x 30.5 mm	16,00	21,78
LDM650/5LJM, 650 nm , 5 mW, focusable, 3-6 V, Ø12 x 30.5 mm	19,00	25,87
LT series	EUR	USD

	LT series laser diode module, diverse wavelenths available, complete and ready to use, focusable 3-lens glass collimator, excellent beam quality 635, 650, 850, 980 nm	1-9 pcs.	1-9 pcs.
LDM635/1LT, 635 nm , 1 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		32,40	44,11
LDM635/1LTF, 635 nm , 1 mW, fixfocus, glass lens, 4-6V, Ø13 x 52 mm		31,00	42,20
LDM635/3LT, 635 nm , 3 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		32,40	44,11
LDM635/5LT, 635 nm , 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		44,40	60,44
LDM650/1LT, 650 nm , 1 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		31,30	42,61
LDM650/3LT, 650 nm , 3 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		31,30	42,61
LDM650/5LT, 650 nm , 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		35,00	47,65
LTM series (modulable DC..100 kHz)		EUR	USD
	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 635, 650 nm	1-9 pcs.	1-9 pcs.
LDM635/5LTM, 635 nm , 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		60,00	81,68
LDM650/5LTM, 650 nm , 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		40,00	54,45
RLDC MICRO series		EUR	USD
 very small size 8 x 27.5 mm - focusable glass collimator - power supply 3 VDC 635, 650, 670 nm		1-9 pcs.	1-9 pcs.
RLDC635-2.2-3, 635 nm , typ. 2.5 mW, focusable, Ø8 x 25.0 mm, 3 VDC		16,00	21,78
RLDC650-2.2-3, 650 nm , typ. 2 mW, focusable, Ø8 x 25.0 mm, 3 VDC		16,00	21,78
RLDC670-2.2-3, 670 nm , typ. 2 mW, focusable, Ø8 x 25 mm, 3 VDC		16,00	21,78
OLU series		EUR	USD
 series OLxx laser diode module very small size, 3.5 mW 635 nm		1-9 pcs.	1-9 pcs.
LDM635/3-OLU, 635 nm , 3.5 mW, fixfocus, acrylic lens Ø6.0 x 22.5 mm		32,00	43,56
RLDGULTRA 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		1-9 pcs.	1-9 pcs.
RLDG650-1-3, 650 nm , 1 mW, APC, 0.8 mrad, fixed focus, Ø7 x 14 mm, 3 VDC, 50 mA		6,50	8,85
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		1-9 pcs.	1-9 pcs.
APCD-650-01-C2, 650 nm , <1 mW, Iop <35 mA, fixfocus, Ø4.0 x 9.1 mm, laser class II		7,99	10,88
APCD-650-01-C3, 650 nm , <3 mW, Iop <35 mA, fixfocus, Ø4.0 x 9.1 mm		7,99	10,88
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		
		1-9 pcs.	1-9 pcs.
APCD-635-02-C2, 635 nm , <1 mW, focusable, Ø6.2 x 11 mm, laser class II		12,90	17,56
APCD-635-02-C3, 635 nm , <3 mW, focusable, Ø6.2 x 11 mm		12,90	17,56
APCD-650-02-C2, 650 nm , <1 mW, focusable, Ø6.2 x 11 mm, laser class II		5,99	8,15
APCD-650-02-C3, 650 nm , <3 mW, focusable, Ø6.2 x 11 mm		5,99	8,15
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		
		1-9 pcs.	1-9 pcs.
APCD-650-06-C2, 650 nm , <1 mW, lop <35 mA, fixfocus, Ø6.5 x 9.0 mm, laser class II		6,10	8,30
APCD-650-06-C3, 650 nm , <3 mW, lop <35 mA, fixfocus, Ø6.5 x 9.0 mm		6,10	8,30
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		
		1-9 pcs.	1-9 pcs.
APCD-650-07-C2, 650 nm , <1 mW, lop <35 mA, fixfocus, Ø3.3 x 8.0 mm, laser class II		8,80	11,98
APCD-650-07-C3, 650 nm , <3 mW, lop <35 mA, fixfocus, Ø3.3 x 8.0 mm		8,80	11,98
QUARTON LASER DIODE MODULES		EUR	USD
	QUARTON VLMxxx-yy-LPT: <1 mW VLMxxx-yy-LPA: <5 mW 635 - 650 nm		
		1-9 pcs.	1-9 pcs.
VLM650-00, 650 nm , <3 mW, fixfocus, Ø10.52 x 17.20 mm, w/o driver board		25,40	34,58
VLM650-01-LPA, 650 nm , <5 mW, fixfocus, Ø10.4 x 18.5 mm		27,20	37,03
VLM650-02-LPA, 650 nm , <5 mW, fixfocus, Ø10.5 x 17.2 mm		27,20	37,03
VLM650-03-LPT, 650 nm , <1 mW, fixfocus, Ø7.0 x 22.5 mm		13,50	18,38
VLM650-04-LPT, 650 nm , <1 mW, fixfocus, Ø6.55 x 12.10 mm		13,30	18,11
VLM650-06-LPA, 650 nm , <5 mW, fixfocus, Ø12.5 x 53.0 mm		60,00	81,68
VLM650-07-LPA, 650 nm , <5 mW, fixfocus, Ø12.5 x 53.0 mm		61,00	83,04
VLM650-08-LPA, 650 nm , <5 mW, fixfocus, Ø10.51 x 24.6 mm		17,50	23,82
VLM650-09-LPA, 650 nm , <5 mW, fixfocus, Ø10.51 x 31.0 mm		17,50	23,82
VLM650-11-LPT, 650 nm , <1 mW, fixfocus, Ø10.52 x 30.00 mm		26,30	35,80
VLM650-11-LPA, 650 nm , <5 mW, fixfocus, Ø10.52 x 30.00 mm		26,30	35,80
VLM650-12-LPA, 650 nm , <5 mW, fixfocus, Ø10.52 x 40.6 mm		33,30	45,33
VLM650-14-LPA, 650 nm , <5 mW, fixfocus, Ø12.00 x 43.0 mm		43,75	59,56
VLM635-15-LPA, 635 nm , <5 mW, fixfocus, Ø12.00 x 30.0 mm		75,00	102,10
VLM650-15-LPA, 650 nm , <5 mW, fixfocus, Ø12.00 x 30.0 mm		43,75	59,56
VLM650-16-LPT, 650 nm , <1 mW, fixfocus, Ø8.50 x 24.5 mm		27,00	36,76
VLM650-16-LPA, 650 nm , <5 mW, fixfocus, Ø8.50 x 24.5 mm		27,00	36,76
VLM650-17-LPT, 650 nm , <1 mW, fixfocus, Ø12.00 x 30.0 mm		28,80	39,21
VLM650-17-LPA, 650 nm , <5 mW, fixfocus, Ø12.00 x 30.0 mm		28,80	39,21
MICRO LASER DIODE MODULES		EUR	USD
	Micro laser diode module series - PCB mountable - focussable (100µm spotsize) - divergence < 1 mrad 670 nm		
SUNSTAR自动化 http://www.sensor-ic.com/ TEL: 0755-83376489 FAX:0755-83376182 E-MAIL: szps20@163.com		1-9 pcs.	1-9 pcs.
LDM-1A, 670 nm , <1 mW, FDA, 13 x 13 x 10 mm³, 3-6 VDC		162,00	220,54

RLD HIGH POWER series		EUR	USD
 RLDxxx 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	35,40
RLDH650-24-3, 655 nm , 24 mW, sm, Ø14 x 45 mm, focusable, 3 VDC		74,00	100,74
RLDH660-40-3, 660 nm , 40 mW, sm, Ø16 x 50 mm, focusable, 3 VDC		126,00	171,53
RLDH660-70-3, 660 nm , 70 mW, sm, Ø22 x 65 mm, focusable, 3 VDC		138,00	187,87
RLDH LASER DIODE MODULES, M SERIES, CW+ MODULABLE		EUR	USD
 RLDH red diode module, M series - single mode - focussable glass lens - modulation up to 500 kHz TTL - up to 40mW			
		1-9 pcs.	1-9 pcs.
RLDH635M-4-5, 635 nm , 4 mW, APC, TTL <500 kHz, focusable, Ø12 x 34 mm, 5 VDC		28,00	38,12
RLDH650M-4-5, 650 nm , 4 mW, APC, TTL <500 kHz, focusable, Ø12 x 34 mm, 5 VDC		25,00	34,03
RLDH650M-24-5, 650 nm , 24 mW, ACC, TTL <200 kHz, focusable, Ø14 x 45 mm, 5 VDC		68,00	92,57
RLDH650M-40-5, 650 nm , 40 mW, ACC, TTL <50 kHz, focusable, Ø16 x 50 mm, 5 VDC		106,00	144,31
LASER MODULES - RED BEAM EXPANDER			
RLE Beam Expander series		EUR	USD
 expanded beam laser diode module series for extreme target distances 635, 650 nm			
		1-9 pcs.	1-9 pcs.
RLE635-2-3-20, 635 nm , 2 mW, 20 mm beam diameter, sm, foc., 3 VDC, round beam		112,00	152,47
RLE635-1-3-8, 635 nm , 1 mW, 8 mm beam diameter, sm, foc., 3 VDC, round beam		76,00	103,46
RLE635-2-3-8, 635 nm , 2 mW, 8 mm beam diameter, sm, foc., 3 VDC, round beam		80,00	108,91
RLE650-1-3-8, 650 nm , 1 mW, 8 mm beam diameter, sm, foc., 3 VDC, square beam		52,00	70,79
RLE650-8-3-20, 650 nm , 8 mW, 20 mm beam diameter, sm, foc., 3 VDC, square beam		116,00	157,92
RLE650-8-5-30, 650 nm , 8 mW, 30 mm beam diameter, sm, foc., 5 VDC, square beam		126,00	171,53
LASER MODULES - RED LINE			
LM series		EUR	USD
 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			
		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	11,54
RLL series		EUR	USD
 high power line laser module uses cylindrical glass lens			
		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	38,12
RLLH635-4-3, 635 nm , 4 mW, typ. 100° line, Ø12 x 32 mm, 3 VDC		40,00	54,45
RLLH650-16-3, 650 nm , 16 mW, typ. 100° line, Ø14 x 49 mm, 3 VDC		83,00	112,99
RLLH650-24-3, 650 nm , 24 mW, typ. 100° line, Ø14 x 49 mm, 3 VDC		146,00	198,76
LASER MODULES - RED CROSS LINE			
RLCB series		EUR	USD

 cross line laser module uses two 90° twisted cylindrical glass lenses APC (automatic power control)	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	54,45
RLCB635-5-5, 635 nm , 5 mW, cross line, fixed focus, Ø16 x 45 mm, 5 VDC	49,00	66,71
LASER MODULES - IR		
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 780, 850 nm	1-9 pcs.	1-9 pcs.
APCD-780-01-C2, 780 nm , <1 mW, lop <35 mA, fixfocus, Ø4.0 x 9.1 mm	17,50	23,82
APCD-780-01-C3, 780 nm , <3 mW, lop <35 mA, fixfocus, Ø4.0 x 9.1 mm	17,50	23,82
APCD-850-01-C2, 850 nm , <1 mW, lop <40 mA, fixfocus, Ø4.0 x 9.1 mm	39,90	54,32
APCD-850-01-C3, 850 nm , <3 mW, lop <40 mA, fixfocus, Ø4.0 x 9.1 mm	39,90	54,32
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 780, 850 nm	1-9 pcs.	1-9 pcs.
APCD-780-06-C2, 780 nm , <1 mW, lop <35 mA, fixfocus, Ø6.5 x 9.0 mm	15,00	20,42
APCD-780-06-C3, 780 nm , <3 mW, lop <35 mA, fixfocus, Ø6.5 x 9.0 mm	15,00	20,42
APCD-850-06-C2, 850 nm , <1 mW, lop <40 mA, fixfocus, Ø6.5 x 9.0 mm	29,90	40,70
APCD-850-06-C3, 850 nm , <3 mW, lop <40 mA, fixfocus, Ø6.5 x 9.0 mm	29,90	40,70
APCD 01 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 780, 850 nm	1-9 pcs.	1-9 pcs.
APCD-780-07-C2, 780 nm , <1 mW, lop <35 mA, fixfocus, Ø3.3 x 8.0 mm	17,50	23,82
APCD-780-07-C3, 780 nm , <3 mW, lop <35 mA, fixfocus, Ø3.3 x 8.0 mm	17,50	23,82
APCD-850-07-C2, 850 nm , <1 mW, lop <40 mA, fixfocus, Ø3.3 x 8.0 mm	44,90	61,13
APCD-850-07-C3, 850 nm , <3 mW, lop <40 mA, fixfocus, Ø3.3 x 8.0 mm	44,90	61,13
LJ Series	EUR	USD
 LJ series laser diode module complete and ready to use, focusable single element aspheric acrylic collimator optic, diverse wavelenths available 780, 808, 850 nm	1-9 pcs.	1-9 pcs.
LDM780/3LJ, 780 nm , 3 mW, focusable, 3-6 V, Ø12 x 30.5 mm	19,20	26,14
LDM808/3LJ, 808 nm , 3 mW, focusable, 3-6 V, Ø12 x 30.5 mm	26,70	36,35
LDM850/3LJ, 850 nm , 3 mW, focusable, 3-6 V, Ø12 x 30.5 mm	29,90	40,70
LT series	EUR	USD
 LT series laser diode module, diverse wavelenths available, complete and ready to use, focusable 3-lens glass collimator, excellent beam quality 850, 980 nm	1-9 pcs.	1-9 pcs.
LDM850/5LT, 850 nm , 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm	39,90	54,32

LDM980/25LT, 980 nm , 25 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm	29,00	39,48
LDM series	EUR	USD
 LDM780-03-11x30 low cost infrared laser diode module for general purpose 780 nm	1-99 pcs.	1-99 pcs.
LDM780-03-11x20, 780 nm , 3 mW, Ø11 x 20 mm, 3.0 VDC	7,95	10,82
LM series	EUR	USD
 low cost, infrared laser diode module, focusable, output power typ. < 3 mW up to < 26 mW 830, 880, 980 nm	1-99 pcs.	1-99 pcs.
LM-102-H002, 830 nm , <3 mW, focusable, Ø9.8 x 26 mm, 3.0 VDC	14,20	19,33
LM-102-H130, 830 nm , <15 mW, focusable, Ø9.8 x 26 mm, 3.0 VDC	24,60	33,49
LM-104-E002, 880 nm , <3 mW, focusable, Ø9.8 x 26 mm, 3.0 VDC	18,40	25,05
LM-104-E130, 880 nm , <6 mW, focusable, Ø9.8 x 26 mm, 3.0 VDC	19,90	27,09
LM-106-G002, 980 nm , <5 mW, focusable, Ø9.8 x 26 mm, 3.0 VDC	9,90	13,48
LM-106-G130, 980 nm , <26 mW, focusable, Ø9.8 x 26 mm, 3.0 VDC	19,90	27,09
RLDC MICRO series	EUR	USD
 very small size 8 x 27.5 mm - focusable glass collimator - power supply 3 VDC 850 nm	1-9 pcs.	1-9 pcs.
RLDC850-2-3, 850 nm , typ. 2 mW, focusable, Ø8 x 27.5 mm, 3 VDC	30,00	40,84
RLD series	EUR	USD
 infrared laser diode module series focussable glass lens - up to 4000 mW 780, 808, 830, 850, 980	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	32,67
RLDB780-30-3, 780 nm , 30 mW, focusable glass optic, Ø16 x 37 mm, 3 VDC	63,00	85,77
RLDB808-7-3-FA, 808 nm , 7 mW, fixfocus, divergence 0.28 mrad, Ø14 x 45 mm, 3 VDC	58,00	78,96
RLDB808-120-3, 808 nm , 120 mW, focusable, Ø22 x 65 mm, 3 VDC	35,00	47,65
RLDH808-120-3, 808 nm , 120 mW, focusable, Ø22 x 65 mm, 3 VDC	39,00	53,09
RLDB808-150-3, 808 nm , 150 mW, focusable, Ø22 x 65 mm, 3 VDC	68,00	92,57
RLDB808-200-3, 808 nm , 200 mW, focusable, Ø22 x 65 mm, 3 VDC	72,00	98,02
RLDB808-300-3, 808 nm , 300 mW, focusable, Ø22 x 65 mm, 3 VDC	78,00	106,19
RLDB808-350-3, 808 nm , 350 mW, focusable, Ø22 x 65 mm, 3 VDC	82,00	111,63
RLDB808-500-5, 808 nm , 500 mW, focusable, Ø45 x 120 mm, 5 VDC	88,00	119,80
RLDH808-1200-5, 808 nm , 1.2 W, focusable, Ø45 x 100 mm, 5 VDC, 444 g	277,40	377,64
RLDH808-4000-5, 808 nm , 4.0 W, focusable, 60 x 110 mm, 5 VDC, 1.200 g	990,00	1.347,76
RLDH830-3-3, 830 nm , 3 mW, focusable, ARC glass collimator, Ø12 x 34.5 mm, 3 VDC	22,00	29,95
RLDH830-30-3, 830 nm , 30 mW, focusable, ARC glass collimator, Ø14 x 43 mm, 3 VDC	35,00	47,65
DT850-30-3, 850 nm , 30 mW, focusable, Ø12 x 34.5 mm, 3 VDC	78,00	106,19
RLDH850-40-3, 850 nm , 40 mW, APC, focusable, Ø22 x 65 mm, 3 VDC	96,00	130,69
RLDH980-70-3, 980 nm , 70 mW, focusable, Ø22 x 65 mm, 3..5 VDC	58,00	78,96
RLDB980-120-3, 980 nm , 120 mW, focusable, Ø22 x 65 mm, 3 VDC	62,00	84,40
RLDH980-120-3, 980 nm , 120 mW, focusable, Ø22 x 65 mm, 3 VDC	62,00	84,40
RLDH980-200-3, 980 nm , 200 mW, focusable, Ø22 x 65 mm, 3 VDC	68,00	92,57
RLDH LASER DIODE MODULES, M SERIES, CW+ MODULABLE	EUR	USD

	RLDH infrared diode module, M series - focussable glass lens - modulation up to 10 kHz TTL - up to 350 mW	1-9 pcs.	1-9 pcs.
808 - 850 nm			
RLDH808M-120-5, 808 nm , 120 mW, APC, TTL <5 kHz, focusable, Ø22 x 65 mm, 5 VDC		48,00	65,35
RLDH808M-350-5, 808 nm , 350 mW, APC, TTL <5 kHz, focusable, Ø22 x 65 mm, 5 VDC		74,00	100,74
RLDH850M-40-5, 850 nm , 40 mW, APC, TTL <10 kHz, focusable, Ø22 x 65 mm, 5 VDC		108,00	147,03
C2021 series		EUR	USD
	infrared laser diode module series for general purposes 980 nm	1-9 pcs.	1-9 pcs.
C2021-B1, 980 nm , 10..20 mW, focusable, Ø10.5 x 20 mm, 3 VDC		54,54	74,25
C2021-C1, 980 nm , 20..35 mW, focusable, Ø10.5 x 20 mm, 3 VDC		66,66	90,75
C2021-E1, 980 nm , 90..120 mW, focusable, Ø14 x 43 mm, 3 VDC		129,28	176,00
CW1064 DPSS series		EUR	USD
	small size, uncooled, solid state cw infrared lase modules, 3VDC cooling neccessary! --> heat sink available 1064 nm	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		139,00	189,23
CW1064-05, 1064 nm , <5 mW, APC, 0.8 mrad, cw, Ø12 x 46 (65) mm, 3.0 VDC		139,00	189,23
PIL-VI DPSS series		EUR	USD
	solid state cw infrared lasemodules, 5VDC separate driver unit cooling neccessary! --> heat sink available	1-3 pcs.	1-3 pcs.
PIL-VI-1064-1, DPSS, 1064 nm , 1 mW, cw, 5 VDC, Ø12 x 40mm		247,83	337,38
PIL-VI-1064-3, DPSS, 1064 nm , 3 mW, cw, 5 VDC, Ø12 x 40mm		286,96	390,65
PIL-VI-1064-5, DPSS, 1064 nm , 5 mW, cw, 5 VDC, Ø12 x 40mm		286,96	390,65
PIL-VI-1064-10, DPSS, 1064 nm , 10 mW, cw, 5 VDC, Ø12 x 40mm		313,04	426,17
PIL-VI-1064-20, DPSS, 1064 nm , 20 mW, cw, 5 VDC, Ø12 x 40mm		339,13	461,68
PIL-VI-1064-50, DPSS, 1064 nm , 50 mW, cw, 5 VDC, Ø12 x 40mm		391,30	532,71
PIL-VI-1064-100, DPSS, 1064 nm , 100 mW, cw, 5 VDC, Ø12 x 40mm		430,43	585,98
PIL-VI-1064-200, DPSS, 1064 nm , 200 mW, cw, 5 VDC, Ø12 x 40mm		573,91	781,31
PIL-VI-1064-300, DPSS, 1064 nm , 300 mW, cw, 5 VDC, Ø12 x 40mm		652,17	887,85
PIL-VI-1064-400, DPSS, 1064 nm , 400 mW, cw, 5 VDC, Ø12 x 40mm		730,00	993,80
LASER MODULES - IR LINE			
RL LH series, LINE LASER MODULE		EUR	USD
	Infrared line laser modules - APC (automatic power control) - 90° line , cylinder lens - up to 350 mW	1-9 pcs.	1-9 pcs.
808 - 830 nm			
RL LH808-350-3, 808 nm , 350 mW, APC, line, fixed focus, Ø22 x 70 mm, 3..5 V		76,00	103,46
RL LH830-30-3, 830 nm , 30 mW, APC, line, fixed focus, Ø14 x 45 mm, 3 VDC		79,00	107,55
POWER SUPPLIES FOR LASER MODULES			
LPS series SUNSTAR自动化 http://www.sensor-ic.com/ TEL: 0755-83376489 FAX:0755-83376182 E-MAIL:szss20@163.com		EUR	USD

	110-230VAC universal power supplies for 3VDC and 5VDC laser modules with 1m supply line and ON / OFF switch - Small ripple (<80 mV) - Class II / CE - AC Europlug (CEE 7/16) - IEC 60130-10 Type A connector	1-3 pcs.	1-3 pcs.
LPS31, Laser Power Supply , Input: 110-230 VAC, Output: 3.0 VDC, max 1A, 33x62x105 mm	29,90	40,70	
LPS51, Laser Power Supply , Input: 110-230 VAC, Output: 5.0 VDC, max 1A, 33x62x105 mm	29,90	40,70	
LASER SYSTEMS - UV			
UV DPSS Q-SWITCHED PULSED LASERS, RLTMPL-266 series		EUR	USD
	80-250 VAC power supply included Q-switched pulsed operation different repetition rate available (1-5khz) 5% power stability available 266 nm pulsed	1-3 pcs.	1-3 pcs.
RLTMPL-266-1-10, 266 nm , 1 µJ / 1 mW, ~10ns pulse, <10% stability	5.478,26	7.457,94	
RLTMPL-266-3-10, 266 nm , 1 µJ / 3 mW, ~10ns pulse, <10% stability	5.660,87	7.706,54	
RLTMPL-266-5-10, 266 nm , 1 µJ / 5 mW, ~10ns pulse, <10% stability	5.843,48	7.955,14	
RLTMPL-266-10-10, 266 nm , 3 µJ / 10 mW, ~10ns pulse, <10% stability	6.026,09	8.203,73	
RLTMPL-266-50-10, 266 nm , 5 µJ / 50 mW, ~10ns pulse, <10% stability	15.521,74	21.130,83	
RLTMPL-266-100-10, 266 nm , 10 µJ / 100 mW, ~10ns pulse, <10% stability	20.086,96	27.345,78	
RLTMPL-266-200-10, 266 nm , 10 µJ / 200 mW, ~10ns pulse, <10% stability	27.826,09	37.881,60	
UV DPSS Q-SWITCHED PULSED LASERS, RLTMPL-355 series		EUR	USD
	80-250 VAC power supply included Q-switched pulsed operation different repetition rate available (1-5khz) 5% power stability available 355 nm pulsed	1-3 pcs.	1-3 pcs.
RLTMPL-355-10-10, 355 nm , 1 µJ / 10 mW, ~7ns pulse, <10% stability	5.478,26	7.457,94	
RLTMPL-355-20-10, 355 nm , 2 µJ / 20 mW, ~7ns pulse, <10% stability	7.486,96	10.192,52	
RLTMPL-355-50-10, 355 nm , 5 µJ / 50 mW, ~7ns pulse, <10% stability	10.408,70	14.170,09	
RLTMPL-355-100-10, 355 nm , 10 µJ / 100 mW, ~7ns pulse, <10% stability	14.060,87	19.142,05	
RLTMPL-355-150-10, 355 nm , 15 µJ / 150 mW, ~7ns pulse, <10% stability	16.069,57	21.876,62	
RLTMPL-355-200-10, 355 nm , 30 µJ / 200 mW, ~7ns pulse, <10% stability	17.895,65	24.362,60	
RLTMPL-355-500-10, 355 nm , 60 µJ / 500 mW, ~7ns pulse, <10% stability	22.608,70	30.778,80	
RLTMPL-355-1W-10, 355 nm , 40 µJ / 1 W, ~10ns pulse, <10% stability	30.434,78	41.433,00	
UV DPSS LASERS, RLTVUL-355 series		EUR	USD
	80-250 VAC power supply included cw operation, M²<2.0, divergence <1.5 mrad available options: fibercoupling, adjustable power 355 nm	1-3 pcs.	1-3 pcs.
RLTVUL-355-1-10, 355 nm , >1 mW cw, <10% stability, laser head 209x88x74 mm	5.478,26	7.457,94	
RLTVUL-355-3-10, 355 nm , >3 mW cw, <10% stability, laser head 209x88x74 mm	5.843,48	7.955,14	
RLTVUL-355-5-10, 355 nm , >5 mW cw, <10% stability, laser head 209x88x74 mm	8.217,39	11.186,91	
RLTVUL-355-10-10, 355 nm , >10 mW cw, <10% stability, laser head 209x88x74 mm	10.956,52	14.915,88	
RLTVUL-355-15-10, 355 nm , >15 mW cw, <10% stability, laser head 209x88x74 mm	13.695,65	18.644,85	
RLTVUL-355-20-10, 355 nm , >20 mW cw, <10% stability, laser head 209x88x74 mm	18.260,87	24.859,80	
UV LASER DIODE MODULES, RLTVUL-375 series		EUR	USD
	80-250 VAC power supply included available options: - 1% stability - fibercoupling - adjustable power - modulation input	1-9 pcs.	1-9 pcs.
SUNSTAR自动化 http://www.sensor-ic.com/ TEL: 0755-83376489 FAX:0755-83376182 E-MAIL:szss20@163.com		1-9 pcs.	1-9 pcs.
RLTVUL-375-10-3, 375 nm , 10 mW cw, stability <3%, laser head 141x46x73 mm	10.043,48	13.672,89	

RLTUVL-375-20-3, 375 nm , 20 mW cw, stability <3%, laser head 141x46x73 mm	10.956,52	14.915,88
RLTUVL-375-50-3, 375 nm , 50 mW cw, stability <3%, laser head 141x46x73 mm	12.782,61	17.401,86
RLTUVL-375-100-3, 375 nm , 100 mW cw, stability <3%, laser head 141x46x73 mm	13.695,65	18.644,85
RLTUVL-375-150-3, 375 nm , 150 mW cw, stability <3%, laser head 141x46x73 mm	14.608,70	19.887,85

LASER SYSTEMS - VIOLET

VIOLET LASER DIODE MODULES, RLTMDL-405 series

EUR

USD



80-250 VAC power supply included
available options: 3% and 1% stability,
fiber coupling, adjustable power, modulation input

405 nm

1-9 pcs.

1-9 pcs.

RLTMDL-405-10-5, 405 nm , 10 mW cw, stability <5%, laser head 141x46x73 mm	652,17	887,85
RLTMDL-405-20-5, 405 nm , 20 mW cw, stability <5%, laser head 141x46x73 mm	688,53	937,34
RLTMDL-405-50-5, 405 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	700,00	952,96
RLTMDL-405-100-5, 405 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	1.095,65	1.491,59
RLTMDL-405-150-5, 405 nm , 150 mW cw, stability <5%, laser head 141x46x73 mm	1.460,87	1.988,78
RLTMDL-405-200-5, 405 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	2.191,30	2.983,18
RLTMDL-405-300-5, 405 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	3.286,96	4.474,76

VIOLET LASER DIODE MODULES, RLTMML-405 series LOW NOISE

EUR

USD



LOW NOISE
80-250 VAC power supply included
available options: 3% and 1% stability,
fiber coupling, adjustable power, modulation

405 nm

1-9 pcs.

1-9 pcs.

RLTMML-405-20-5, 405 nm , 30 mW cw, stability <5%, laser head 141x46x73 mm	720,00	980,19
RLTMML-405-50-5, 405 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	840,00	1.143,55
RLTMML-405-100-5, 405 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	1.314,78	1.789,91
RLTMML-405-150-5, 405 nm , 150 mW cw, stability <5%, laser head 141x46x73 mm	1.753,04	2.386,54
RLTMML-405-200-5, 405 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	2.629,57	3.579,81
RLTMML-405-300-5, 405 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	3.944,35	5.369,72

LASER SYSTEMS - BLUE

BLUE LASER DIODE MODULES, RLTMDL-442 series

EUR

USD



80-250 VAC power supply included
available options: 3% and 1% stability,
fiber coupling, adjustable power

442 nm

1-9 pcs.

1-9 pcs.

RLTMDL-442-10-5, 442 nm , 10 mW cw, stability <5%, laser head 141x46x73 mm	956,52	1.302,18
RLTMDL-442-20-5, 442 nm , 20 mW cw, stability <5%, laser head 141x46x73 mm	1.052,17	1.432,40
RLTMDL-442-30-5, 442 nm , 30 mW cw, stability <5%, laser head 141x46x73 mm	1.095,65	1.491,59
RLTMDL-442-40-5, 442 nm , 40 mW cw, stability <5%, laser head 141x46x73 mm	1.278,26	1.740,19
RLTMDL-442-50-5, 442 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	1.826,09	2.485,98

BLUE LASER DIODE MODULES, RLTMML-442 series LOW NOISE

EUR

USD



LOW NOISE
80-250 VAC power supply included
available options: 3% and 1% stability,
fiber coupling, adjustable power

442 nm

1-9 pcs.

1-9 pcs.

RLTMML-442-10-5, 442 nm , 10 mW cw, stability <5%, laser head 141x46x73 mm	1.052,17	1.432,40
RLTMML-442-20-5, 442 nm , 20 mW cw, stability <5%, laser head 141x46x73 mm	1.104,78	1.504,02
RLTMML-442-30-5, 442 nm , 30 mW cw, stability <5%, laser head 141x46x73 mm	1.205,22	1.640,75
RLTMML-442-40-5, 442 nm , 40 mW cw, stability <5%, laser head 141x46x73 mm	1.406,09	1.914,20
RLTMML-442-50-5, 442 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	2.008,70	2.734,58

BLUE LASER DIODE MODULES, ULV-445 series

EUR

USD

 low cost / high power -> ready to operate! stability <5%, divergence <2mrad, TTL modulation power supply included 445 nm		
	1-9 pcs.	1-9 pcs.
ULV-445-300, 445±/-5 nm , 300 mW cw, stability <5%, TTL, 84x33x33 mm, 12 VDC	198,00	269,55
ULV-445-600, 445±/-5 nm , 600 mW cw, stability <5%, TTL, 80x40x40 mm, 90-250VAC	345,00	469,67
ULV-445-700, 445±/-5 nm , 700 mW cw, stability <5%, TTL, 84x33x33 mm, 12 VDC	298,00	405,69
BLUE LASER DIODE MODULES, RLTMDL-447 series	EUR	USD
 80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation 447 nm	1-9 pcs.	1-9 pcs.
RLTMDL-447-10-5, 447 nm , 10 mW cw, stability <5%, laser head 141x46x73 mm	652,17	887,85
RLTMDL-447-20-5, 447 nm , 20 mW cw, stability <5%, laser head 141x46x73 mm	688,33	937,07
RLTMDL-447-50-5, 447 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	700,00	952,96
RLTMDL-447-100-5, 447 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	800,00	1.089,10
RLTMDL-447-300-5, 447 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	956,52	1.302,18
RLTMDL-447-500-5, 447 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	1.095,65	1.491,59
RLTMDL-447-1W-5, 447 nm , 1000 mW cw, stability <5%, laser head 141x46x73 mm	1.643,48	2.237,38
BLUE LASER DIODE MODULES, RLTMDL-447H HIGH POWER series	EUR	USD
 80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, modulation 447 nm	1-3 pcs.	1-3 pcs.
RLTMDL-447-2W-5, 447 nm , 2 W cw, stability <5%, laser head 212x88x74 mm	3.286,96	4.474,76
RLTMDL-447-5W-5, 447 nm , 5 W cw, stability <5%, laser head 305x164x131 mm	9.586,96	13.051,40
RLTMDL-447-10W-5, 447 nm , 10 W cw, stability <5%, laser head 305x164x131 mm	17.804,35	24.238,31
RLTMDL-447-20W-5, 447 nm , 20 W cw, stability <5%, laser head 305x164x131 mm	31.304,35	42.616,80
BLUE DPSS LASERS, RLTMBL-457 series	EUR	USD
 80-250 VAC power supply included available options: 5% and 3% power stability, low noise, fibercoupling, adjustable power, modulation input 457 nm	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	1.369,57	1.864,49
RLTMBL-457-50-10, 457 nm , 50 mW cw, stability <10%, laser head 212 x 88 x 74 mm	1.552,17	2.113,08
RLTMBL-457-100-10, 457 nm , 100 mW cw, stability <10%, laser head 212 x 88 x 74 mm	1.734,78	2.361,68
RLTMBL-457-300-10, 457 nm , 300 mW cw, stability <10%, laser head 212 x 88 x 74 mm	2.191,30	2.983,18
RLTMBL-457-500-10, 457 nm , 500 mW cw, stability <10%, laser head 212 x 88 x 74 mm	4.200,00	5.717,75
RLTMBL-457-1W-10, 457 nm , 1000 mW cw, stability <10%, laser head 235 x 99 x 94 mm	10.043,48	13.672,89
RLTMBL-457-2W-10, 457 nm , 2000 mW cw, stability <10%, laser head 235 x 99 x 94 mm	12.782,61	17.401,86
BLUE DPSS LASERS, RLTMML-457 HIGH POWER series	EUR	USD
 80-250 VAC power supply included beam profile: TEM 01 available options: stability 5% and 3%, fibercoupling, adjustable power, modulation 457 nm	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	16.434,78	22.373,82
RLTMML-457-5W-10, 457 nm , 5 W cw, stability <10%, laser head 333 x 140 x 125 mm	20.869,57	28.411,20
RLTMML-457-10W-10, 457 nm , 10 W cw, stability <10%, laser head 333 x 140 x 125 mm	34.782,61	47.352,00
BLUE DPSS LASERS, RLTMML-457 series LOW NOISE	EUR	USD

	LOW NOISE (noise of amplitude <3%) 80-250 VAC power supply included available options: 5% and 3% stability, fibercoupling 457 nm		
		1-3 pcs.	1-3 pcs.
RLTMLL-457-10-10, 457 nm , 10 mW cw, stability <10%, laser head 212 x 88 x 74 mm		2.054,35	2.796,73
RLTMLL-457-50-10, 457 nm , 50 mW cw, stability <10%, laser head 212 x 88 x 74 mm		2.328,26	3.169,62
RLTMLL-457-100-10, 457 nm , 100 mW cw, stability <10%, laser head 212 x 88 x 74 mm		2.602,17	3.542,52
RLTMLL-457-300-10, 457 nm , 300 mW cw, stability <10%, laser head 212 x 88 x 74 mm		3.286,96	4.474,76
RLTMLL-457-500-10, 457 nm , 500 mW cw, stability <10%, laser head 212 x 88 x 74 mm		6.300,00	8.576,63
RLTMLL-457-1W-10, 457 nm , 1000 mW cw, stability <10%, laser head 235 x 99 x 94 mm		15.065,22	20.509,34
RLTMLL-457-2W-10, 457 nm , 2000 mW cw, stability <10%, laser head 235 x 99 x 94 mm		19.173,91	26.102,79
BLUE DPSS LASERS, RLTMLL-457 HIGH POWER series LOW NOISE		EUR	USD
	LOW NOISE (noise of amplitude <3%) 80-250 VAC power supply included available options: 5% and 3% stability, fibercoupling 457 nm		
		1-3 pcs.	1-3 pcs.
RLTMLL-457-3W-10, 457 nm , 3 W cw, stability <10%, laser head 333 x 140 x 125 mm		23.478,26	31.962,60
RLTMLL-457-5W-10, 457 nm , 5 W cw, stability <10%, laser head 333 x 140 x 125 mm		33.913,04	46.168,20
RLTMLL-457-10W-10, 457 nm , 10 W cw, stability <10%, laser head 333 x 140 x 125 mm		52.173,91	71.028,00
BLUE DIODE PUMPED SOLID STATE LASERS, RLTMML-473 series		EUR	USD
	80-250 VAC power supply included available options: 5% and 3% power stability, low noise, fibercoupling, adjustable power, modulation input 473 nm		
		1-3 pcs.	1-3 pcs.
RLTMML-473-10-10, 473 nm , 10 mW cw, stability <10%, laser head 141 x 46 x 73 mm		652,17	887,85
RLTMML-473-20-10, 473 nm , 20 mW cw, stability <10%, laser head 141 x 46 x 73 mm		688,53	937,34
RLTMML-473-50-10, 473 nm , 50 mW cw, stability <10%, laser head 141 x 46 x 73 mm		700,00	952,96
RLTMML-473-100-10, 473 nm , 100 mW cw, stability <10%, laser head 141 x 46 x 73 mm		900,00	1.225,23
RLTMML-473-150-10, 473 nm , 150 mW cw, stability <10%, laser head 141 x 46 x 73 mm		1.095,65	1.491,59
BLUE DIODE PUMPED SOLID STATE LASERS, RLTMML-473 series		EUR	USD
	80-250 VAC power supply included beam profile: TEM 01 (near TEM00 avail.) available options: stability 5% and 3%, fibercoupling, adjustable power, modulation 473 nm		
		1-3 pcs.	1-3 pcs.
RLTMML-473-200-10, 473 nm , 200 mW cw, stability <10%, laser head 155 x 77 x 60 mm		1.878,26	2.557,01
RLTMML-473-300-10, 473 nm , 300 mW cw, stability <10%, laser head 155 x 77 x 60 mm		2.465,22	3.356,07
RLTMML-473-500-10, 473 nm , 500 mW cw, stability <10%, laser head 155 x 77 x 60 mm		3.652,17	4.971,96
BLUE DIODE PUMPED SOLID STATE LASERS, RLTMML-473 series		EUR	USD
	80-250 VAC power supply included beam profile: TEM 01 available options: stability 5% and 3%, fibercoupling, adjustable power, modulation 473 nm		
		1-3 pcs.	1-3 pcs.
RLTMML-473-800-10, 473 nm , 800 mW cw, stability <10%, laser head 235 x 99 x 94 mm		10.043,48	13.672,89
RLTMML-473-1W-10, 473 nm , 1 W cw, stability <10%, laser head 235 x 99 x 94 mm		11.869,57	16.158,87
RLTMML-473-1.5W-10, 473 nm , 1.5 W cw, stability <10%, laser head 235 x 99 x 94 mm		15.521,74	21.130,83
BLUE DPSS LASERS, RLTMML-473 series LOW NOISE		EUR	USD
	LOW NOISE (noise of amplitude <1%) 80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling 473 nm		
		1-3 pcs.	1-3 pcs.

SUNSTAR 自动化

<http://www.szss-laser.com/> TEL: 0755-83376489 FAX: 0755-83376182 E-MAIL: szss20@163.com

RLTMLL-473-10-5, 473 nm, 10 mW cw, stability <5%, laser head 197 x 70 x 50 mm	1.533,91	2.088,22
RLTMLL-473-20-5, 473 nm, 20 mW cw, stability <5%, laser head 197 x 70 x 50 mm	1.705,33	2.321,59
RLTMLL-473-50-5, 473 nm, 50 mW cw, stability <5%, laser head 197 x 70 x 50 mm	1.972,17	2.684,86
RLTMLL-473-100-5, 473 nm, 100 mW cw, stability <5%, laser head 197 x 70 x 50 mm	2.629,57	3.579,81
RLTMLL-473-300-5, 473 nm, 300 mW cw, stability <5%, laser head 197 x 70 x 50 mm	5.478,26	7.457,94
RLTMLL-473-500-5, 473 nm, 500 mW cw, stability <5%, laser head 197 x 70 x 50 mm	8.765,22	11.932,70

BLUE SINGLE LONGITUDINAL MODE DPSS LASERS, RLTMSL-473 series	EUR	USD
---	------------	------------



SINGLE LONGITUDINAL MODE
80-250 VAC power supply included
available options: 3% and 1% stability,
fibercoupling
473 nm

1-3 pcs.

1-3 pcs.

RLTMSL-473-10-5, 473 nm , 10 mW cw, stability <5%, Coherence >50m, noise <0.5%	5.478,26	7.457,94
RLTMSL-473-20-5, 473 nm , 20 mW cw, stability <5%, Coherence >50m, noise <0.5%	5.620,65	7.651,78
RLTMSL-473-30-5, 473 nm , 30 mW cw, stability <5%, Coherence >50m, noise <0.5%	5.843,48	7.955,14
RLTMSL-473-50-5, 473 nm , 50 mW cw, stability <5%, Coherence >50m, noise <0.5%	8.217,39	11.186,91
RLTMSL-473-100-5, 473 nm , 100 mW cw, stability <5%, Coherence >50m, noise <0.5%	10.956,52	14.915,88

BLUE DIODE PUMPED SOLID STATE LASERS, RLTMBL-480 series	EUR	USD
--	------------	------------



80-250 VAC power supply included
available options: fibercoupling, adjustable
power

480 nm

1-3 pcs.

1-3 pcs.

RLTMBL-480-10-10, 480 nm , 10 mW cw, stability <10%, laser head 155 x 77 x 60 mm	2.739,13	3.728,97
RLTMBL-480-20-10, 480 nm , 20 mW cw, stability <10%, laser head 155 x 77 x 60 mm	4.565,22	6.214,95
RLTMBL-480-30-10, 480 nm , 30 mW cw, stability <10%, laser head 155 x 77 x 60 mm	5.478,26	7.457,94
RLTMBL-480-50-10, 480 nm , 50 mW cw, stability <10%, laser head 235 x 99 x 94 mm	8.217,39	11.186,91
RLTMBL-480-100-10, 480 nm , 100 mW cw, stability <10%, laser head 235 x 99 x 94 mm	10.956,52	14.915,88
RLTMBL-480-150-10, 480 nm , 150 mW cw, stability <10%, laser head 235 x 99 x 94 mm	16.434,78	22.373,82

LASER SYSTEMS - CYAN

CYAN DPSS LASERS, RLTMGL-491 series	EUR	USD
--	------------	------------



80-250 VAC power supply included
available options: fibercoupling, adjustable
power

491 nm

1-3 pcs.

1-3 pcs.

RLTMGL-491-1-10, 491 nm , 1 mW cw, stability <10%, laser head 155 x 77 x 60 mm	6.573,91	8.949,53
RLTMGL-491-2-10, 491 nm , 2 mW cw, stability <10%, laser head 155 x 77 x 60 mm	8.034,78	10.938,31

CYAN DPSS LASERS, RLTMGL-500 series	EUR	USD
--	------------	------------



80-250 VAC power supply included
available options: fibercoupling, adjustable power

500.8 nm

1-3 pcs.

1-3 pcs.

RLTMGL-500-1-10, 500.8 nm , 1 mW cw, stability <10%, laser head 141x46x73 mm	6.573,91	8.949,53
RLTMGL-500-2-10, 500.8 nm , 2 mW cw, stability <10%, laser head 141x46x73 mm	8.034,78	10.938,31

LASER SYSTEMS - GREEN

GREEN DPSS LASERS, RLTMGL-515 series	EUR	USD
---	------------	------------



80-250 VAC power supply included
available options: fibercoupling, adjustable
power

515 nm

1-3 pcs.

1-3 pcs.

RLTMGL-515-10-10, 515 nm , 10 mW cw, stability <10%, laser head 212x88x74 mm	2.739,13	3.728,97
---	----------	----------

RLTMGL-515-30-10, 515 nm , 30 mW cw, stability <10%, laser head 212x88x74 mm	4.565,22	6.214,95
RLTMGL-515-50-10, 515 nm , 50 mW cw, stability <10%, laser head 212x88x74 mm	5.478,26	7.457,94
RLTMGL-515-100-10, 515 nm , 100 mW cw, stability <10%, laser head 212x88x74 mm	9.586,96	13.051,40
GREEN DPSS LASERS, RLTMGL-N-515 series	EUR	USD
 80-250 VAC power supply included available options: 5% stability, fibercoupling, adjustable power, modulation 515 nm	1-3 pcs.	1-3 pcs.
RLTMGL-N-515-150-10, 515 nm , 150 mW cw, stability <10%, laser head 240x99x94 mm	12.782,61	17.401,86
RLTMGL-N-515-200-10, 515 nm , 200 mW cw, stability <10%, laser head 333x140x125 mm	18.260,87	24.859,80
RLTMGL-N-515-300-10, 515 nm , 300 mW cw, stability <10%, laser head 333x140x125 mm	20.086,96	27.345,78
RLTMGL-N-515-400-10, 515 nm , 400 mW cw, stability <10%, laser head 333x140x125 mm	20.869,57	28.411,20
RLTMGL-N-515-500-10, 515 nm , 500 mW cw, stability <10%, laser head 333x140x125 mm	23.478,26	31.962,60
GREEN DPSS LASERS, RLTMGL-523 series	EUR	USD
 80-250 VAC power supply included available options: 5% power stability, low noise, fibercoupling, adjustable power, single mode, Q-switched 523.5 nm	1-3 pcs.	1-3 pcs.
RLTMGL-523-5-10, 523.5 nm , 5 mW cw, stability <10%, laser head 141x46x73 mm	2.191,30	2.983,18
RLTMGL-523-10-10, 523.5 nm , 10 mW cw, stability <10%, laser head 141x46x73 mm	2.313,78	3.149,91
RLTMGL-523-30-10, 523.5 nm , 30 mW cw, stability <10%, laser head 141x46x73 mm	2.556,52	3.480,37
RLTMGL-523-50-10, 523.5 nm , 50 mW cw, stability <10%, laser head 141x46x73 mm	3.286,96	4.474,76
RLTMGL-523-100-10, 523.5 nm , 100 mW cw, stability <10%, laser head 141x46x73 mm	5.478,26	7.457,94
RLTMGL-523-300-10, 523.5 nm , 300 mW cw, stability <10%, laser head 240x99x94 mm	9.130,43	12.429,90
RLTMGL-523-500-10, 523.5 nm , 500 mW cw, stability <10%, laser head 240x99x94 mm	10.956,52	14.915,88
RLTMGL-523-800-10, 523.5 nm , 800 mW cw, stability <10%, laser head 240x99x94 mm	12.782,61	17.401,86
GREEN DPSS LASERS, RLTMGL-526 series	EUR	USD
 80-250 VAC power supply included available options: 5% power stability, low noise, fibercoupling, adjustable power, single mode, Q-switched 526.5 nm	1-3 pcs.	1-3 pcs.
RLTMGL-526-10-10, 526.5 nm , 10 mW cw, stability <10%, laser head 141x46x73 mm	2.282,61	3.107,48
RLTMGL-526-30-10, 526.5 nm , 30 mW cw, stability <10%, laser head 141x46x73 mm	2.739,13	3.728,97
RLTMGL-526-50-10, 526.5 nm , 50 mW cw, stability <10%, laser head 141x46x73 mm	3.286,96	4.474,76
RLTMGL-526-100-10, 526.5 nm , 100 mW cw, stability <10%, laser head 141x46x73 mm	4.017,39	5.469,16
RLTMGL-526-200-10, 526.5 nm , 200 mW cw, stability <10%, laser head 141x46x73 mm	5.843,48	7.955,14
RLTMGL-526-300-10, 526.5 nm , 300 mW cw, stability <10%, laser head 240x99x94 mm	8.217,39	11.186,91
RLTMGL-526-500-10, 526.5 nm , 500 mW cw, stability <10%, laser head 240x99x94 mm	9.130,43	12.429,90
RLTMGL-526-1W-10, 526.5 nm , 1 W cw, stability <10%, laser head 240x99x94 mm	14.608,70	19.887,84
GREEN DPSS LASERS, RLTMGL-532 series	EUR	USD
 80-250 VAC power supply included available options: 3% and 1% power stability, fibercoupling, adjustable power, modulation 532 nm	1-3 pcs.	1-3 pcs.
RLTMGL-532-50-5, 532 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	800,00	1.089,10
RLTMGL-532-100-5, 532 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	900,00	1.225,23
RLTMGL-532-200-5, 532 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	956,52	1.302,18
RLTMGL-532-300-5, 532 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	1.095,65	1.491,59
RLTMGL-532-500-5, 532 nm , 500 mW cw, stability <5%, laser head 153x77x60 mm	1.278,26	1.740,19
RLTMGL-532-1W-5, 532 nm , 1 W cw, stability <5%, laser head 153x77x60 mm	1.826,09	2.485,98
RLTMGL-532-1.5W-5, 532 nm , 1.5 W cw, stability <5%, laser head 209x88x74 mm	2.739,13	3.728,97
RLTMGL-532-2W-5, 532 nm , 2 W cw, stability <5%, laser head 209x88x74 mm	3.286,96	4.474,76
RLTMGL-532-2.5W-5, 532 nm , 2.5 W cw, stability <5%, laser head 209x88x74 mm	5.478,26	7.457,94
GREEN DPSS LASERS, RLTMGL-532 HIGH POWER series	EUR	USD

	80-250 VAC power supply included available options: stability 10%, 3%, 1%, fiber coupling, adjustable power, modulation 532 nm		
	1-3 pcs.	1-3 pcs.	
RLTMGL-532-3W-5, 532 nm , 3 W cw, stability <5%, laser head 240x99x94 mm	5.478,26	7.457,94	
RLTMGL-532-5W-5, 532 nm , 5 W cw, stability <5%, laser head 240x99x94 mm	9.130,43	12.429,90	
RLTMGL-532-8W-5, 532 nm , 8 W cw, stability <5%, laser head 333x140x125 mm	15.521,74	21.130,83	
RLTMGL-532-10W-5, 532 nm , 10 W cw, stability <5%, laser head 333x140x125 mm	17.347,83	23.616,81	
RLTMGL-532-15W-5, 532 nm , 15 W cw, stability <5%, laser head 333x140x125 mm	24.347,83	33.146,40	
RLTMGL-532-20W-5, 532 nm , 20 W cw, stability <5%, laser head 333x140x125 mm	48.695,65	66.292,80	
GREEN DPSS LOW NOISE LASERS, RLTMLL-532 series	EUR	USD	
	LOW NOISE 80-250 VAC power supply included available options: 3% and 1% power stability, fiber coupling 532 nm		
	1-3 pcs.	1-3 pcs.	
RLTMLL-532-20-5, 532 nm , 20 mW cw, stability <5%, noise <1%	1.278,26	1.740,19	
RLTMLL-532-50-5, 532 nm , 50 mW cw, stability <5%, noise <1%	1.278,26	1.740,19	
RLTMLL-532-100-5, 532 nm , 100 mW cw, stability <5%, noise <1%	1.296,20	1.764,61	
RLTMLL-532-200-5, 532 nm , 200 mW cw, stability <5%, noise <1%	1.350,00	1.837,85	
RLTMLL-532-300-5, 532 nm , 300 mW cw, stability <5%, noise <1%	1.424,35	1.939,06	
RLTMLL-532-500-5, 532 nm , 500 mW cw, stability <5%, noise <1%	o.r.	o.r.	
RLTMLL-532-1W-5, 532 nm , 1 W cw, stability <5%, noise <1%	o.r.	o.r.	
RLTMLL-532-1.5W-5, 532 nm , 1.5 W cw, stability <5%, noise <1%	3.560,87	4.847,66	
RLTMLL-532-2W-5, 532 nm , 2 W cw, stability <5%, noise <1%	4.273,04	5.817,19	
GREEN DPSS LOW NOISE LASERS, RLTMML-532 HIGH POWER series	EUR	USD	
	80-250 VAC power supply included available options: stability, 3%, 1%, fiber coupling, adjustable power, modulation 532 nm		
	1-3 pcs.	1-3 pcs.	
RLTMML-532-3W-5, 532 nm , 3 W cw, stability <5%, noise <1%	7.121,74	9.695,32	
RLTMML-532-5W-5, 532 nm , 5 W cw, stability <5%, noise <1%	11.869,57	16.158,87	
RLTMML-532-8W-5, 532 nm , 8 W cw, stability <5%, noise <1%	20.178,26	27.470,08	
RLTMML-532-10W-5, 532 nm , 10 W cw, stability <5%, noise <1%	21.478,26	29.239,86	
RLTMML-532-15W-5, 532 nm , 15 W cw, stability <5%, noise <1%	31.652,17	43.090,32	
RLTMML-532-20W-5, 532 nm , 20 W cw, stability <5%, noise <1%	63.304,35	86.180,64	
GREEN DPSS SINGLE LONGITUDINAL MODE LASERS, RLTMML-532 series	EUR	USD	
	SINGLE LONGITUDINAL MODE 80-250 VAC power supply included available options: 3% and 1% power stability, fiber coupling 532 nm		
	1-3 pcs.	1-3 pcs.	
RLTMML-532-10-5, 532 nm , 10 mW cw, stability <5%, noise <0.5%	1.460,87	1.988,78	
RLTMML-532-20-5, 532 nm , 20 mW cw, stability <5%, noise <0.5%	1.695,00	2.307,52	
RLTMML-532-50-5, 532 nm , 50 mW cw, stability <5%, noise <0.5%	1.826,09	2.485,98	
RLTMML-532-100-5, 532 nm , 100 mW cw, stability <5%, noise <0.5%	3.652,17	4.971,96	
RLTMML-532-200-5, 532 nm , 200 mW cw, stability <5%, noise <0.5%	5.478,26	7.457,94	
RLTMML-532-300-5, 532 nm , 300 mW cw, stability <5%, noise <0.5%	8.217,39	11.186,91	
RLTMML-532-500-5, 532 nm , 500 mW cw, stability <5%, noise <0.5%	13.695,65	18.644,85	
RLTMML-532-800-5, 532 nm , 800 mW cw, stability <5%, noise <0.5%	18.260,87	24.859,80	
GREEN Q-SWITCHED PULSED LASERS, RLTMPL-532 series	EUR	USD	

	80-250 VAC power supply included Q-switched pulsed operation different repetition rate available (1-5khz) 5%, 3%, 1% power stability available 532 nm pulsed	1-3 pcs.	1-3 pcs.
RLTMPL-532-5-5, 532 nm , 5 mW, pulse length ~15ns, <5% stability		4.200,00	5.717,75
RLTMPL-532-10-5, 532 nm , 10mW, pulse length ~15ns, <5% stability		5.440,32	7.406,29
RLTMPL-532-30-5, 532 nm , 30 mW, pulse length ~15ns, <5% stability		6.665,22	9.073,83
RLTMPL-532-50-5, 532 nm , 50 mW, pulse length ~15ns, <5% stability		7.943,48	10.814,01
RLTMPL-532-100-5, 532 nm , 100 mW, pulse length ~15ns, <5% stability		10.408,70	14.170,09
RLTMPL-532-200-5, 532 nm , 200 mW, pulse length ~15ns, <5% stability		13.695,65	18.644,85
RLTMPL-532-400-5, 532 nm , 400 mW, pulse length ~15ns, <5% stability		15.339,13	20.882,23
RLTMPL-532-500-5, 532 nm , 500 mW, pulse length ~15ns, <5% stability		16.617,39	22.622,42
RLTMPL-532-600-5, 532 nm , 600 mW, pulse length ~15ns, <5% stability		17.895,65	24.362,60
RLTMPL-532-1000-5, 532 nm , 1000 mW, pulse length ~15ns, <5% stability		20.086,96	27.345,78
GREEN DPSS LASERS, RLTMGL-543 series		EUR	USD
	80-250 VAC power supply included available options: 5% and 3% power stability, fibercoupling, adjustable power, modulation, low noise 543 nm	1-3 pcs.	1-3 pcs.
RLTMGL-543-10-10, 543 nm , 10 mW cw, stability <10%, laser head 141x46x73 mm		2.739,13	3.728,97
RLTMGL-543-30-10, 543 nm , 30 mW cw, stability <10%, laser head 141x46x73 mm		3.286,96	4.474,76
RLTMGL-543-50-10, 543 nm , 50 mW cw, stability <10%, laser head 141x46x73 mm		4.200,00	5.717,75
RLTMGL-543-100-10, 543 nm , 100 mW cw, stability <10%, laser head 141x46x73 mm		5.752,17	7.830,84
RLTMGL-543-200-10, 543 nm , 200 mW cw, stability <10%, laser head 235x99x94 mm		7.943,48	10.814,01
RLTMGL-543-500-10, 543 nm , 500 mW cw, stability <10%, laser head 235x99x94 mm		12.965,22	17.650,46
RLTMGL-543-1W-10, 543 nm , 1 W cw, stability <10%, laser head 235x99x94 mm		17.895,65	24.362,60
RLTMGL-543-1.5W-10, 543 nm , 1.5 W cw, stability <10%, laser head 235x99x94 mm		20.086,96	27.345,78
GREEN DPSS LASERS, RLTMGL-556 series		EUR	USD
	80-250 VAC power supply included available options: 5% power stability, low noise, fibercoupling, adjustable power, modulation 556 nm	1-3 pcs.	1-3 pcs.
RLTMGL-556-10-10, 556 nm , 10 mW cw, stability <10%, laser head 197x70x50 mm		2.739,13	3.728,97
RLTMGL-556-30-10, 556 nm , 30 mW cw, stability <10%, laser head 197x70x50 mm		3.286,96	4.474,76
RLTMGL-556-50-10, 556 nm , 50 mW cw, stability <10%, laser head 197x70x50 mm		3.652,17	4.971,96
RLTMGL-556-100-10, 556 nm , 100 mW cw, stability <10%, laser head 197x70x50 mm		7.304,35	9.943,92
RLTMGL-556-200-10, 556 nm , 200 mW cw, stability <10%, laser head 197x70x50 mm		9.130,43	12.429,90
RLTMGL-556-500-10, 556 nm , 500 mW cw, stability <10%, laser head 235x99x94 mm		10.956,52	14.915,88
RLTMGL-556-1W-10, 556 nm , 1 W cw, stability <10%, laser head 235x99x94 mm		16.434,78	22.373,82
RLTMGL-556-2.5W-10, 556 nm , 2.5 W cw, stability <10%, laser head 333x140x125 mm		31.304,35	42.616,80
GREEN DPSS LASERS, RLTMGL-561 series		EUR	USD
	80-250 VAC power supply included available options: low noise, fibercoupling, adjustable power 561 nm	1-3 pcs.	1-3 pcs.
RLTMGL-561-10-5, 561 nm , 10 mW cw, stability <5%, laser head 197x70x50 mm		4.565,22	6.214,95
RLTMGL-561-50-5, 561 nm , 50 mW cw, stability <5%, laser head 197x70x50 mm		5.478,26	7.457,94
RLTMGL-561-100-5, 561 nm , 100 mW cw, stability <5%, laser head 197x70x50 mm		8.217,39	11.186,91
RLTMGL-561-150-5, 561 nm , 150 mW cw, stability <5%, laser head 197x70x50 mm		9.130,43	12.429,90
RLTMGL-561-200-5, 561 nm , 200 mW cw, stability <5%, laser head 197x70x50 mm		10.956,52	14.915,88
RLTMGL-561-300-5, 561 nm , 300 mW cw, stability <5%, laser head 235x99x94 mm		16.069,57	21.876,62
RLTMGL-561-500-5, 561 nm , 500 mW cw, stability <5%, laser head 235x99x94 mm		19.173,91	26.102,79
RLTMGL-561-1W-5, 561 nm , 1 W cw, stability <5%, laser head 235x99x94 mm		26.086,96	35.514,00
RLTMGL-561-2W-5, 561 nm , 2 W cw, stability <5%, laser head 333x140x125 mm		33.043,48	44.984,40
GREEN DPSS LASERS, RLTMGL-561 series		EUR	USD

 LOW NOISE (noise of amplitude <1%) 80-250 VAC power supply included available options: <3% and <1% power stability, fibercoupling 561 nm	1-3 pcs.	1-3 pcs.
RLTMLL-561-10-5, 561 nm , 10 mW cw, stability <5%, noise <1%	5.934,78	8.079,44
RLTMLL-561-50-5, 561 nm , 50 mW cw, stability <5%, noise <1%	7.121,74	9.695,32
RLTMLL-561-100-5, 561 nm , 100 mW cw, stability <5%, noise <1%	10.682,61	14.542,98
RLTMLL-561-150-5, 561 nm , 150 mW cw, stability <5%, noise <1%	11.869,57	16.158,87
LASER SYSTEMS - YELLOW		
YELLOW DPSS LASERS, RLTMGL-589 series	EUR	USD
 80-250 VAC power supply included available options: <5% and <3% power stability, fibercoupling, adjustable power 589 nm	1-3 pcs.	1-3 pcs.
RLTMGL-589-10-10, 589 nm , 10 mW cw, stability <10%, laser head 141x46x73 mm	2.191,30	2.983,18
RLTMGL-589-30-10, 589 nm , 30 mW cw, stability <10%, laser head 141x46x73 mm	2.739,13	3.728,97
RLTMGL-589-50-10, 589 nm , 50 mW cw, stability <10%, laser head 141x46x73 mm	3.286,96	4.474,76
RLTMGL-589-100-10, 589 nm , 100 mW cw, stability <10%, laser head 212x88x74 mm	5.478,26	7.457,94
RLTMGL-589-200-10, 589 nm , 200 mW cw, stability <10%, laser head 212x88x74 mm	6.391,30	8.700,93
YELLOW DPSS LASERS, RLTMGL-589 series HIGH POWER	EUR	USD
 80-250 VAC power supply included available options: <5% and <3% stability, low noise, fibercoupling, adjustable power 589 nm	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	8.217,39	11.186,91
RLTMGL-589-500-10, 589 nm , 500 mW cw, stability <10%, laser head 235 x 99 x 94 mm	10.956,52	14.915,88
RLTMGL-589-1W-10, 589 nm , 1 W cw, stability <10%, laser head 333 x 140 x 125 mm	16.434,78	22.373,82
RLTMGL-589-2W-10, 589 nm , 2 W cw, stability <10%, laser head 333 x 140 x 125 mm	20.086,96	27.345,78
RLTMGL-589-3W-10, 589 nm , 3 W cw, stability <10%, laser head 333 x 140 x 125 mm	26.086,96	35.514,00
YELLOW DPSS LASERS, RLTMGL-593.5 series	EUR	USD
 80-250 VAC power supply included available options: 5% and 3% power stability, low noise, fibercoupling, adjustable power 593.5 nm	1-3 pcs.	1-3 pcs.
RLTMGL-593-5-10, 593.5 nm , 5 mW cw, stability <10%, laser head 141x46x73 mm	1.643,48	2.237,38
RLTMGL-593-10-10, 593.5 nm , 10 mW cw, stability <10%, laser head 141x46x73 mm	2.739,13	3.728,97
RLTMGL-593-30-10, 593.5 nm , 30 mW cw, stability <10%, laser head 141x46x73 mm	5.478,26	7.457,94
RLTMGL-593-50-10, 593.5 nm , 50 mW cw, stability <10%, laser head 212x74x88 mm	6.391,30	8.700,93
RLTMGL-593-100-10, 593.5 nm , 100 mW cw, stability <10%, laser head 212x74x88 mm	8.217,39	11.186,91
YELLOW DPSS LASERS, RLTMGL-593.5 series HIGH POWER	EUR	USD
 80-250 VAC power supply included available options: 5% and 3% power stability, low noise, fibercoupling, adjustable power 593.5 nm	1-3 pcs.	1-3 pcs.
RLTMGL-593-200-10, 593.5 nm , 200 mW cw, stability <10%, laser head 235x99x94 mm	13.695,65	18.644,85
RLTMGL-593-500-10, 593.5 nm , 500 mW cw, stability <10%, laser head 333x125x140 mm	20.869,57	28.411,20
RLTMGL-593-800-10, 593.5 nm , 800 mW cw, stability <10%, laser head 333x125x140 mm	26.086,96	35.514,00
LASER SYSTEMS - RED		
RED LASER DIODE MODULES, RLTMRL-635 series	EUR	USD

 80-250 VAC power supply included square beam profile available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation 635 nm	1-3 pcs.	1-3 pcs.
RLTMRL-635-10-5, 635 nm , 10 mW cw, stability <5%, laser head 141x46x73 mm	1.042,61	1.419,38
RLTMRL-635-50-5, 635 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	1.042,61	1.419,38
RLTMRL-635-100-5, 635 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	1.042,61	1.419,38
RLTMRL-635-300-5, 635 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	1.210,20	1.647,53
RLTMRL-635-500-5, 635 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	1.406,09	1.914,20
RLTMRL-635-1W-5, 635 nm , 1000 mW cw, stability <5%, laser head 136x73x50 mm	3.286,96	4.474,76
RED LASER DIODE MODULES, RLTMRL-635 HIGH POWER series	EUR	USD
 80-250 VAC power supply included available options: 10%, 3% and 1% stability, fibercoupling, adjustable power, modulation 635 nm	1-3 pcs.	1-3 pcs.
RLTMRL-635-3W-5, 635 nm , 3 W cw, stability <5%, laser head 333 x 140 x 125 mm	17.347,83	23.616,81
RLTMRL-635-5W-5, 635 nm , 5 W cw, stability <5%, laser head 333 x 140 x 125 mm	21.739,13	29.595,00
RED ROUND SPOT LASER DIODE MODULES, RLTMRL-635R series	EUR	USD
 80-250 VAC power supply included round spot beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation 635 nm	1-3 pcs.	1-3 pcs.
RLTMRL-635R-50-5, 635 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	2.556,52	3.480,37
RLTMRL-635R-100-5, 635 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	3.104,35	4.226,17
RLTMRL-635R-150-5, 635 nm , 150 mW cw, stability <5%, laser head 141x46x73 mm	4.200,00	5.717,75
RED LASER DIODE MODULES, RLTMRL-640 series	EUR	USD
 80-250 VAC power supply included round spot beam profile available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation 640 nm	1-3 pcs.	1-3 pcs.
RLTMRL-640-50-5, 640 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	1.095,65	1.491,59
RLTMRL-640-100-5, 640 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	1.360,43	1.852,06
RLTMRL-640-150-5, 640 nm , 150 mW cw, stability <5%, laser head 141x46x73 mm	1.734,78	2.361,68
RLTMRL-640-200-5, 640 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	2.282,61	3.107,48
RED LASER DIODE MODULES, RLTMRL-655 series	EUR	USD
 80-250 VAC power supply included square beam profile available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation 655 nm	1-3 pcs.	1-3 pcs.
RLTMRL-655-100-5, 655 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	780,00	1.061,87
RLTMRL-655-200-5, 655 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	827,65	1.126,74
RLTMRL-655-500-5, 655 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	937,39	1.276,14
RLTMRL-655-1W-5, 655 nm , 1 W cw, stability <5%, laser head 141x46x73 mm	2.008,70	2.734,58
RED ROUND SPOT LASER DIODE MODULES, RLTMRL-655R series	EUR	USD
 80-250 VAC power supply included round spot beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation 655 nm	1-3 pcs.	1-3 pcs.
RLTMRL-655R-50-5, 655 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	2.739,13	3.728,97

RLTMRL-655R-100-5, 655 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	3.104,35	4.226,17
RLTMRL-655R-200-5, 655 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	5.113,04	6.960,74
RED DPSS LASERS, RLTMRL-656 series	EUR	USD
 80-250 VAC power supply included available options: 5% and 3% power stability, fibercoupling, adjustable power, Q-switched 656.5 nm	1-3 pcs.	1-3 pcs.
RLTMRL-656-20-10, 656.5 nm , 20 mW cw, stability <10%, laser head 141x46x73 mm	2.739,13	3.728,97
RLTMRL-656-30-10, 656.5 nm , 30 mW cw, stability <10%, laser head 141x46x73 mm	3.652,17	4.971,96
RLTMRL-656-50-10, 656.5 nm , 50 mW cw, stability <10%, laser head 141x46x73 mm	5.478,26	7.457,94
RED DPSS LASERS, RLTMRL-660 series	EUR	USD
 80-250 VAC power supply included available options: 5% power stability, low noise, fibercoupling, adjustable power, Q-switched 660 nm	1-3 pcs.	1-3 pcs.
RLTMRL-660-20-10, 660 nm , 20 mW cw, stability <10%, laser head 141x46x73 mm	2.191,30	2.983,18
RLTMRL-660-50-10, 660 nm , 50 mW cw, stability <10%, laser head 141x46x73 mm	2.739,13	3.728,97
RLTMRL-660-100-10, 660 nm , 100 mW cw, stability <10%, laser head 141x46x73 mm	4.200,00	5.717,75
RED DPSS LASERS, RLTMRL-660 HIGH POWER series	EUR	USD
 80-250 VAC power supply included available options: 5% and 3% power stability, low noise, modulation, fibercoupling, adjustable power 660 nm	1-3 pcs.	1-3 pcs.
RLTMRL-660-500-10, 660 nm , 500 mW cw, stability <10%, laser head 235x99x94 mm	9.130,43	12.429,90
RLTMRL-660-1W-10, 660 nm , 1000 mW cw, stability <10%, laser head 333x140x125 mm	18.260,87	24.859,80
RLTMRL-660-2W-10, 660 nm , 2000 mW cw, stability <10%, laser head 333x140x125 mm	23.478,26	31.962,60
RED DPSS LASERS, RLTMRL-671 series	EUR	USD
 80-250 VAC power supply included available options: 3% and 1% power stability, temperature stabilized, modulation, fibercoupling, adjustable power 671 nm	1-3 pcs.	1-3 pcs.
RLTMRL-671-50-5, 671 nm , 50 mW cw, stability <5%, laser head 197x70x50 mm	1.095,65	1.491,59
RLTMRL-671-100-5, 671 nm , 100 mW cw, stability <5%, laser head 197x70x50 mm	1.270,85	1.730,10
RLTMRL-671-300-5, 671 nm , 300 mW cw, stability <5%, laser head 197x70x50 mm	1.643,48	2.237,38
RLTMRL-671-500-5, 671 nm , 500 mW cw, stability <5%, laser head 197x70x50 mm	1.826,09	2.485,98
RLTMRL-671-1W-5, 671 nm , 1000 mW cw, stability <5%, laser head 209x88x74 mm	3.652,17	4.971,96
RED DPSS LASERS, RLTMRL-671 HIGH POWER series	EUR	USD
 80-250 VAC power supply included available options: 5%, 3% and 1% power stability, temperature stabilized, modulation, fibercoupling, adjustable power 671 nm	1-3 pcs.	1-3 pcs.
RLTMRL-671-2W-5, 671 nm , 2 W cw, stability <5%, laser head 240x99x94 mm	7.304,35	9.943,92
RLTMRL-671-3W-5, 671 nm , 3 W cw, stability <5%, laser head 240x99x94 mm	11.869,57	16.158,87
RLTMRL-671-5W-5, 671 nm , 5 W cw, stability <5%, laser head 333x140x125 mm	22.608,70	30.778,80
RED DPSS LASERS, RLTMRL-671 series	EUR	USD
 LOW NOISE (noise of amplitude <1%) 80-250 VAC power supply included available options: 3% and 1% power stability, fibercoupling 671 nm	1-3 pcs.	1-3 pcs.
RLTMRL-671-50-5, 671 nm , 50 mW cw, stability <5%, laser head 197x70x50 mm	1.643,48	2.237,38

RLTMLL-671-100-5, 671 nm , 100 mW cw, stability <5%, laser head 197x70x50 mm	2.115,35	2.879,77
RLTMLL-671-300-5, 671 nm , 300 mW cw, stability <5%, laser head 197x70x50 mm	2.465,22	3.356,07
RLTMLL-671-500-5, 671 nm , 500 mW cw, stability <5%, laser head 197x70x50 mm	2.739,13	3.728,97
RLTMLL-671-1W-5, 671 nm , 1000 mW cw, stability <5%, laser head 209x88x74 mm	5.478,26	7.457,94
RED DPSS LASERS, RLTMLL-671 HIGH POWER series	EUR	USD
 LOW NOISE (noise of amplitude <1%) 80-250 VAC power supply included available options: 3% and 1% power stability, fibercoupling 671 nm	1-3 pcs.	1-3 pcs.
RLTMLL-671-2W-10, 671 nm , 2 W cw, stability <10%, laser head 245x99x94 mm	10.956,52	14.915,88
RLTMLL-671-3W-10, 671 nm , 3 W cw, stability <10%, laser head 245x99x94 mm	17.804,35	24.238,31
RLTMLL-671-5W-10, 671 nm , 5 W cw, stability <10%, laser head 333x140x125 mm	33.913,04	46.168,20
RED DPSS SINGLE LONGITUDINAL MODE LASERS, RLTMSS-671 series	EUR	USD
 SINGLE LONGITUDINAL MODE 80-250 VAC power supply included available options: 3% power stability, fibercoupling 671 nm	1-3 pcs.	1-3 pcs.
RLTMSS-671-10-5, 671 nm , 10 mW cw, stability <5%, noise <0.5%	3.286,96	4.474,76
RLTMSS-671-20-5, 671 nm , 20 mW cw, stability <5%, noise <0.5%	3.482,00	4.740,29
RLTMSS-671-30-5, 671 nm , 30 mW cw, stability <5%, noise <0.5%	3.652,17	4.971,96
RLTMSS-671-50-5, 671 nm , 50 mW cw, stability <5%, noise <0.5%	4.565,22	6.214,95
RLTMSS-671-100-5, 671 nm , 100 mW cw, stability <5%, noise <0.5%	7.304,35	9.943,92
RLTMSS-671-200-5, 671 nm , 200 mW cw, stability <5%, noise <0.5%	10.043,48	13.672,89
RLTMSS-671-400-5, 671 nm , 400 mW cw, stability <5%, noise <0.5%	13.695,65	18.644,85
RED LASER DIODE MODULES, RLTMRL-685 series	EUR	USD
 80-250 VAC power supply included round spot beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation 685 nm	1-3 pcs.	1-3 pcs.
RLTMRL-685-10-5, 685 nm , 10 mW cw, stability <5%, laser head 141x46x73 mm	2.465,22	3.356,07
RLTMRL-685-20-5, 685 nm , 20 mW cw, stability <5%, laser head 141x46x73 mm	3.104,35	4.226,17
RED LASER DIODE MODULES, RLTMRL-690 series	EUR	USD
 80-250 VAC power supply included square beam profile available options: 3% and 1% stability, low noise, fibercoupling, adjustable power 690 nm	1-3 pcs.	1-3 pcs.
RLTMRL-690-100-5, 690 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.282,61	3.107,48
RLTMRL-690-300-5, 690 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	2.739,13	3.728,97
RLTMRL-690-500-5, 690 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	3.195,65	4.350,47
RLTMRL-690-800-5, 690 nm , 800 mW cw, stability <5%, laser head 141x46x73 mm	4.108,70	5.593,46
RED ROUND SPOT LASER DIODE MODULES, RLTMRL-690R series	EUR	USD
 80-250 VAC power supply included round spot beam profile available options: 3% and 1% stability, fibercoupling, adjustable power 690 nm	1-3 pcs.	1-3 pcs.
RLTMRL-690R-50-5, 690 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	3.104,35	4.226,17
RLTMRL-690R-100-5, 690 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	4.017,39	5.469,16
RLTMRL-690R-200-5, 690 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	5.204,35	7.085,04
LASER SYSTEMS - IR		
INFRARED LASER DIODE MODULES, RLTMRL-705 series	EUR	USD

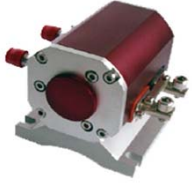
 80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, modulation 705 nm		
	1-3 pcs.	1-3 pcs.
RLTMDL-705-5-5, 705 nm , 5 mW cw, stability <5%, laser head 141x46x73 mm	3.104,35	4.226,17
RLTMDL-705-10-5, 705 nm , 10 mW cw, stability <5%, laser head 141x46x73 mm	3.104,35	4.226,17
RLTMDL-705-20-5, 705 nm , 20 mW cw, stability <5%, laser head 141x46x73 mm	4.017,39	5.469,16
RLTMDL-705-25-5, 705 nm , 25 mW cw, stability <5%, laser head 141x46x73 mm	5.478,26	7.457,94
INFRARD DIODE PUMPED LASER MODULES - RLTMRL-722 series	EUR	USD
 80-250 VAC power supply included available options: 5% and 3% stability, fibercoupling, adjustable power, modulation 722 nm		
	1-3 pcs.	1-3 pcs.
RLTMRL-722-20-10, 722 nm , 20 mW cw, stability <10%, laser head 155x77x60 mm	3.652,17	4.971,96
RLTMRL-722-30-10, 722 nm , 30 mW cw, stability <10%, laser head 155x77x60 mm	4.565,22	6.214,95
RLTMRL-722-50-10, 722 nm , 50 mW cw, stability <10%, laser head 155x77x60 mm	5.478,26	7.457,94
INFRARD LASER DIODE MODULES, RLTMDL-730 series	EUR	USD
 80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, modulation 730 nm		
	1-3 pcs.	1-3 pcs.
RLTMDL-730-5-5, 730 nm , 5 mW cw, stability <5%, laser head 141x46x73 mm	2.647,83	3.604,67
RLTMDL-730-10-5, 730 nm , 10 mW cw, stability <5%, laser head 141x46x73 mm	3.104,35	4.226,17
RLTMDL-730-20-5, 730 nm , 20 mW cw, stability <5%, laser head 141x46x73 mm	4.017,39	5.469,16
RLTMDL-730-30-5, 730 nm , 30 mW cw, stability <5%, laser head 141x46x73 mm	5.478,26	7.457,94
INFRARD LASER DIODE MODULES, RLTMDL-785 series	EUR	USD
 80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation, round spot 785 nm		
	1-3 pcs.	1-3 pcs.
RLTMDL-785-100-5, 785 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	1.643,48	2.237,38
RLTMDL-785-300-5, 785 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	1.942,39	2.644,31
RLTMDL-785-500-5, 785 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	2.191,30	2.983,18
RLTMDL-785-1W-5, 785 nm , 1 W cw, stability <5%, laser head 141x46x73 mm	3.104,35	4.226,17
RLTMDL-785-1.5W-5, 785 nm , 1.5 W cw, stability <5%, laser head 141x46x73 mm	4.200,00	5.717,75
RLTMDL-785-2W-5, 785 nm , 2 W cw, stability <5%, laser head 141x46x73 mm	5.113,04	6.960,74
INFRARD LASER DIODE MODULES, RLTMDL-808 series	EUR	USD
 80-250 VAC power supply included square beam available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation, round spot 808 nm		
	1-3 pcs.	1-3 pcs.
RLTMDL-808-100-5, 808 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	543,48	739,88
RLTMDL-808-500-5, 808 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	608,70	828,66
RLTMDL-808-1W-5, 808 nm , 1 W cw, stability <5%, laser head 141x46x73 mm	652,17	887,85
RLTMDL-808-2W-5, 808 nm , 2 W cw, stability <5%, laser head 141x46x73 mm	717,39	976,64
RLTMDL-808-5W-5, 808 nm , 5 W cw, stability <5%, laser head 155x77x60 mm	1.095,65	1.491,59
RLTMDL-808-8W-5, 808 nm , 8 W cw, stability <5%, laser head 235x99x94 mm	1.643,48	2.237,38
RLTMDL-808-10W-5, 808 nm , 10 W cw, stability <5%, laser head 235x99x94 mm	2.191,30	2.983,18
FIBER COUPLED HIGH POWER DIODE LASERS, RLTMFC-808 series	EUR	USD

	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		
		1-3 pcs.	1-3 pcs.
RLTMFC-808-10W-5, 808 nm , 10 W cw, stability <5%, laser unit 314x290x134 mm		8.582,61	11.684,11
RLTMFC-808-20W-5, 808 nm , 20 W cw, stability <5%, laser unit 314x290x134 mm		9.860,87	13.424,29
RLTMFC-808-30W-5, 808 nm , 30 W cw, stability <5%, laser unit 314x290x134 mm		10.956,52	14.915,88
RLTMFC-808-50W-5, 808 nm , 50 W cw, stability <5%, laser unit 314x290x134 mm		12.326,09	16.780,37
INFRARED LASER DIODE MODULES, RLTMDL-830 series		EUR	USD
	80-250 VAC power supply included available options: 3% and 1% stability, low noise, fiber coupling, adjustable power, modulation 830 nm		
		1-3 pcs.	1-3 pcs.
RLTMDL-830-100-5, 830 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm		2.191,30	2.983,18
RLTMDL-830-200-5, 830 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm		2.282,61	3.107,48
RLTMDL-830-500-5, 830 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm		2.373,91	3.231,77
RLTMDL-830-1W-5, 830 nm , 1 W cw, stability <5%, laser head 141x46x73 mm		2.556,52	3.480,37
RLTMDL-830-1.5W-5, 830 nm , 1.5 W cw, stability <5%, laser head 141x46x73 mm		3.104,35	4.226,17
RLTMDL-830-2W-5, 830 nm , 2 W cw, stability <5%, laser head 141x46x73 mm		3.652,17	4.971,96
INFRARED LASER DIODE MODULES, RLTMDL-845 series		EUR	USD
	80-250 VAC power supply included available options: 3% and 1% stability, fiber coupling, adjustable power 845 nm		
		1-3 pcs.	1-3 pcs.
RLTMDL-845-10-5, 845 nm , 10 mW cw, stability <5%, laser head 141x46x73 mm		2.100,00	2.858,88
RLTMDL-845-20-5, 845 nm , 20 mW cw, stability <5%, laser head 141x46x73 mm		2.465,22	3.356,07
RLTMDL-845-30-5, 845 nm , 30 mW cw, stability <5%, laser head 141x46x73 mm		3.013,04	4.101,87
INFRARED LASER DIODE MODULES, RLTMDL-885 series		EUR	USD
	80-250 VAC power supply included square beam available options: 3% and 1% stability, low noise, fiber coupling, adjustable power, modulation, 885 nm		
		1-3 pcs.	1-3 pcs.
RLTMDL-885-100-5, 885 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm		1.360,43	1.852,06
RLTMDL-885-200-5, 885 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm		1.479,13	2.013,64
RLTMDL-885-500-5, 885 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm		1.725,65	2.349,25
RLTMDL-885-1W-5, 885 nm , 1 W cw, stability <5%, laser head 141x46x73 mm		2.191,30	2.983,18
RLTMDL-885-2W-5, 885 nm , 2 W cw, stability <5%, laser head 141x46x73 mm		3.286,96	4.474,76
INFRARED DPSS LASERS, RLTMIL-914 series		EUR	USD
	80-250 VAC power supply included available options: 3% and 1% power stability, low noise, fiber coupling, adjustable power 914 nm		
		1-3 pcs.	1-3 pcs.
RLTMIL-914-100-5, 914 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm		1.460,87	1.988,78
RLTMIL-914-200-5, 914 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm		2.191,30	2.983,18
RLTMIL-914-400-5, 914 nm , 400 mW cw, stability <5%, laser head 141x46x73 mm		3.286,96	4.474,76
INFRARED LASER DIODE MODULES, RLTMDL-915 series		EUR	USD

	80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, round spot 915 nm		
		1-3 pcs.	1-3 pcs.
RLTMDL-915-100-5, 915 nm , 100 mW cw, stability <5% laser head 139x73x46 mm		1.643,48	2.237,38
RLTMDL-915-300-5, 915 nm , 300 mW cw, stability <5%, laser head 139x73x46 mm		2.191,30	2.983,18
RLTMDL-915-500-5, 915 nm , 500 mW cw, stability <5%, laser head 136x73x46 mm		1.643,48	2.237,38
RLTMDL-915-1W-5, 915 nm , 1 W cw, stability <5%, laser head 136x73x46 mm		1.826,09	2.485,98
RLTMDL-915-2W-5, 915 nm , 2 W cw, stability <5%, laser head 155x77x60 mm		2.739,13	3.728,97
RLTMDL-915-5W-5, 915 nm , 5 W cw, stability <5%, laser head 155x77x60 mm		3.286,96	4.474,76
INFRARD LASER DIODE MODULES, RLTMDL-940 series		EUR	USD
	80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, round spot 940 nm		
		1-3 pcs.	1-3 pcs.
RLTMDL-940-100-5, 940 nm , 100 mW cw, stability <5%, near TEM00, laser head 139x73x46 mm		1.643,48	2.237,38
RLTMDL-940-300-5, 940 nm , 300 mW cw, stability <5%, near TEM00, laser head 139x73x46 mm		2.191,30	2.983,18
RLTMDL-940-500-5, 940 nm , 500 mW cw, stability <5%, laser head 136x73x46 mm		1.643,48	2.237,38
RLTMDL-940-1W-5, 940 nm , 1 W cw, stability <5%, laser head 136x73x46 mm		1.826,09	2.485,98
RLTMDL-940-2W-5, 940 nm , 2 W cw, stability <5%, laser head 152x77x60 mm		2.739,13	3.728,97
RLTMDL-940-5W-5, 940 nm , 5 W cw, stability <5%, laser head 152x77x60 mm		3.286,96	4.474,76
RLTMDL-940-8W-5, 940 nm , 8 W cw, stability <5%, laser head 209x88x74 mm		4.017,39	5.469,16
INFRARED DPSSL LASERS, RLTMIL-946 series		EUR	USD
	80-250 VAC power supply included available options: 3% and 1% power stability, low noise, fibercoupling, adjustable power 946 nm		
		1-3 pcs.	1-3 pcs.
RLTMIL-946-50-5, 946 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm		1.552,17	2.113,08
RLTMIL-946-100-5, 946 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm		1.826,09	2.485,98
RLTMIL-946-300-5, 946 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm		3.652,17	4.971,96
RLTMIL-946-500-5, 946 nm , 500 mW cw, stability <5%, laser head 155x77x60 mm		6.026,09	8.203,73
RLTMIL-946-800-5, 946 nm , 800 mW cw, stability <5%, laser head 155x77x60 mm		7.304,35	9.943,92
INFRARD LASER DIODE MODULES, RLTMDL-965 series		EUR	USD
	80-250 VAC power supply included square beam profile available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation 965 nm		
		1-3 pcs.	1-3 pcs.
RLTMDL-965-100-5, 965 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm		1.278,26	1.740,19
RLTMDL-965-500-5, 965 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm		1.369,57	1.864,49
RLTMDL-965-1W-5, 965 nm , 1 W cw, stability <5%, laser head 141x46x73 mm		2.191,30	2.983,18
RLTMDL-965-2W-5, 965 nm , 2 W cw, stability <5%, laser head 141x46x73 mm		2.739,13	3.728,97
INFRARD LASER DIODE MODULES, RLTMDL-965R series		EUR	USD
	80-250 VAC power supply included round beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation 965 nm		
		1-3 pcs.	1-3 pcs.
RLTMDL-965R-50-5, 965 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm		2.739,13	3.728,97
RLTMDL-965R-100-5, 965 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm		2.921,74	3.977,57
RLTMDL-965R-300-5, 965 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm		3.286,96	4.474,76
RLTMDL-965R-500-5, 965 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm		3.652,17	4.971,96
INFRARD LASER DIODE MODULES, RLTMDL-970 series		EUR	USD

 80-250 VAC power supply included square beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation 975 nm	1-3 pcs.	1-3 pcs.
RLTMDL-975-100-5, 975 nm ±5nm, 100 mW cw, stability <5%, laser head 141x46x73 mm	652,17	887,85
RLTMDL-975-500-5, 975 nm ±5nm, 500 mW cw, stability <5%, laser head 141x46x73 mm	652,17	887,85
RLTMDL-975-1W-5, 975 nm ±5nm, 1 W cw, stability <5%, laser head 141x46x73 mm	700,00	952,96
RLTMDL-975-2W-5, 975 nm ±5nm, 2 W cw, stability <5%, laser head 141x46x73 mm	900,00	1.225,23
RLTMDL-975-5W-5, 975 nm ±5nm, 5 W cw, stability <5%, laser head 155x77x60 mm	2.191,30	2.983,18
INFRARD LASER DIODE MODULES, RLTMDL-975R series	EUR	USD
 80-250 VAC power supply included round beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation 975 nm	1-3 pcs.	1-3 pcs.
RLTMDL-975R-50-5, 975 nm ±5nm, 50 mW cw, stability <5%, head 141x46x73 mm	2.191,30	2.983,18
RLTMDL-975R-100-5, 975 nm ±5nm, 100 mW cw, stability <5%, head 141x46x73 mm	2.213,56	3.013,47
RLTMDL-975R-300-5, 975 nm ±5nm, 300 mW cw, stability <5%, head 141x46x73 mm	2.373,91	3.231,77
RLTMDL-975R-500-5, 975 nm ±5nm, 500 mW cw, stability <5%, head 141x46x73 mm	2.739,13	3.728,97
INFRARD LASER DIODE MODULES, RLTMDL-980 series	EUR	USD
 80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation, round spot 980 nm	1-3 pcs.	1-3 pcs.
RLTMDL-980-100-5, 980 nm ±5nm, 100 mW cw, stability <5%, laser head 141x46x73 mm	652,17	887,85
RLTMDL-980-500-5, 980 nm ±5nm, 500 mW cw, stability <5%, laser head 141x46x73 mm	688,59	937,43
RLTMDL-980-1W-5, 980 nm ±5nm, 1 W cw, stability <5%, laser head 141x46x73 mm	700,00	952,96
RLTMDL-980-2W-5, 980 nm ±5nm, 2 W cw, stability <5%, laser head 141x46x73 mm	900,00	1.225,23
RLTMDL-980-3W-5, 980 nm ±5nm, 3 W cw, stability <5%, laser head 155x77x60 mm	1.369,57	1.864,49
RLTMDL-980-5W-5, 980 nm ±5nm, 5 W cw, stability <5%, laser head 155x77x60 mm	2.191,30	2.983,18
RLTMDL-980-6W-5, 980 nm ±5nm, 6 W cw, stability <5%, laser head 235x99x94 mm	3.013,04	4.101,87
RLTMDL-980-8W-5, 980 nm ±5nm, 8 W cw, stability <5%, laser head 235x99x94 mm	3.286,96	4.474,76
FIBER COUPLED HIGH POWER DIODE LASERS, RLTMFC-980 series	EUR	USD
 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	1-3 pcs.	1-3 pcs.
RLTMFC-980-1W-5, 980 nm , 1 W cw, stability <5%, laser unit 243x249x127 mm	2.191,30	2.983,18
RLTMFC-980-2W-5, 980 nm , 2 W cw, stability <5%, laser unit 243x249x127 mm	2.739,13	3.728,97
RLTMFC-980-4W-5, 980 nm , 4 W cw, stability <5%, laser unit 243x249x127 mm	3.469,57	4.723,36
RLTMFC-980-10W-5, 980 nm , 10 W cw, stability <5%, laser unit 314x290x134 mm	6.847,83	9.322,43
RLTMFC-980-30W-5, 980 nm , 30 W cw, stability <5%, laser unit 314x290x134 mm	8.217,39	11.186,91
RLTMFC-980-50W-5, 980 nm , 50 W cw, stability <5%, laser unit 314x290x134 mm	10.956,52	14.915,88
INFRARED DPSSL LASERS, RLTMIL-1030 series	EUR	USD
 80-250 VAC power supply included available options: 3% and 1% power stability, low noise, fibercoupling, adjustable power 1030 nm	1-3 pcs.	1-3 pcs.
RLTMIL-1030-10-5, 1030 nm , 10 mW cw, stability <5%, laser head 212x88x74 mm	5.478,26	7.457,94
RLTMIL-1030-30-5, 1030 nm , 30 mW cw, stability <5%, laser head 212x88x74 mm	6.665,22	9.073,83
RLTMIL-1030-50-5, 1030 nm , 50 mW cw, stability <5%, laser head 212x88x74 mm	7.940,46	10.814,01
RLTMIL-1030-100-5, 1030 nm , 100 mW cw, stability <5%, laser head 212x88x74 mm	10.408,70	14.170,09

INFRARED DPSS LASERS, RLTMIL-1047 series		EUR	USD
 80-250 VAC power supply included available options: 3% and 1% power stability, low noise, fiber coupling, adjustable power, Q-switched 1047 nm		1-3 pcs.	1-3 pcs.
RLTMIL-1047-50-5, 1047 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm		2.191,30	2.983,18
RLTMIL-1047-100-5, 1047 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm		3.286,96	4.474,76
RLTMIL-1047-300-5, 1047 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm		3.652,17	4.971,96
RLTMIL-1047-500-5, 1047 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm		4.565,22	6.214,95
INFRARED DPSS LASERS, RLTMIL-1053 series		EUR	USD
 80-250 VAC power supply included available options: 3% and 1% power stability, low noise, modulation input, adjustable power, fiber coupling 1053 nm		1-3 pcs.	1-3 pcs.
RLTMIL-1053-100-5, 1053 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm		2.739,13	3.728,97
RLTMIL-1053-300-5, 1053 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm		3.652,17	4.971,96
RLTMIL-1053-500-5, 1053 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm		5.478,26	7.457,94
RLTMIL-1053-1W-5, 1053 nm , 1000 mW cw, stability <5%, laser head 141x46x73 mm		7.304,35	9.943,92
INFRARED Q-SWITCHED PULSED LASERS, RLTMPL-1053 series		EUR	USD
 80-250 VAC power supply included Q-switched pulsed operation different repetition rate available (1-5kHz) 3%, 1% power stability available 1053 nm pulsed		1-3 pcs.	1-3 pcs.
RLTMPL-1053-10-5, 1053 nm , 10 μ J, pulse length ~10ns, <5% stability		6.026,09	8.203,73
RLTMPL-1053-20-5, 1053 nm , 20 μ J, pulse length ~10ns, <5% stability		7.486,96	10.192,52
RLTMPL-1053-30-5, 1053 nm , 30 μ J, pulse length ~10ns, <5% stability		8.034,78	10.938,31
INFRARED DPSS LASERS, RLTMIL-1064 series		EUR	USD
 80-250 VAC power supply included available options: 3% and 1% power stability, modulation input, fiber coupling, adjustable power 1064 nm		1-3 pcs.	1-3 pcs.
RLTMIL-1064-50-5, 1064 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm		652,17	887,85
RLTMIL-1064-100-5, 1064 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm		688,59	937,43
RLTMIL-1064-300-5, 1064 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm		700,00	952,96
RLTMIL-1064-500-5, 1064 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm		800,00	1.089,10
RLTMIL-1064-800-5, 1064 nm , 800 mW cw, stability <5%, laser head 141x46x73 mm		900,00	1.225,23
RLTMIL-1064-1W-5, 1064 nm , 1 W cw, stability <5%, laser head 141x46x73 mm		1.095,65	1.491,59
RLTMIL-1064-3W-5, 1064 nm , 3 W cw, stability <5%, laser head 155x77x60 mm		3.286,96	4.474,76
RLTMIL-1064-5W-5, 1064 nm , 5 W cw, stability <5%, laser head 235x99x94 mm		7.304,35	9.943,92
INFRARED DPSS LASERS, RLTMIL-H-1064 HIGH POWER series		EUR	USD
 80-250 VAC power supply included available options: stability 3% and 1%, modulation input, fiber coupling, adjustable power 1064 nm		1-3 pcs.	1-3 pcs.
RLTMIL-1064H-8W-5, 1064 nm , 8 W cw, stability <5%, laser head 333x140x125 mm		11.869,57	16.158,87
RLTMIL-1064H-10W-5, 1064 nm , 10 W cw, stability <5%, laser head 333x140x125 mm		14.608,70	19.887,84
RLTMIL-1064H-20W-5, 1064 nm , 20 W cw, stability <5%, laser head 333x140x125 mm		22.608,70	30.778,80
INFRARED DPSS LASERS, RLTCO-1064 HIGH POWER series		EUR	USD

				
RLTCO-1064-50W, 1064 nm , 50 W cw, water-cooled, 82x88x69 mm			2.616,45	3.561,96
RLTCO-1064-75W, 1064 nm , 75 W cw, water-cooled, 82x88x69 mm			3.434,09	4.675,07
RLTCO-1064-100W, 1064 nm , 100 W cw, water-cooled, 82x88x69 mm			5.437,32	7.402,20
RLTCO-1064-200W, 1064 nm , 200 W cw, water-cooled, 129x115x71 mm			10.596,63	14.425,94
RLTCO-1064-300W, 1064 nm , 300 W cw, water-cooled, 140x125x90 mm			14.022,55	19.089,88
RLTCO-1064-400W, 1064 nm , 400 W cw, water-cooled, 162x125x90 mm			17.538,41	23.876,26
RLTCO-1064-500W, 1064 nm , 500 W cw, water-cooled, 196x125x90 mm			20.931,62	28.495,68
INFRARED DPSS LASERS, RLTMML-1064 series LOW NOISE			EUR	USD
 LOW NOISE 80-250 VAC power supply included available options: 3% and 1% power stability, modulation input, fibercoupling 1064 nm			1-3 pcs.	1-3 pcs.
RLTMML-1064-50-5, 1064 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm			717,39	976,64
RLTMML-1064-100-5, 1064 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm			749,90	1.020,89
RLTMML-1064-300-5, 1064 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm			770,00	1.048,25
RLTMML-1064-500-5, 1064 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm			880,00	1.198,01
RLTMML-1064-800-5, 1064 nm , 800 mW cw, stability <5%, laser head 141x46x73 mm			946,96	1.289,16
RLTMML-1064-1W-5, 1064 nm , 1 W cw, stability <5%, laser head 141x46x73 mm			1.205,22	1.640,75
RLTMML-1064-3W-5, 1064 nm , 3 W cw, stability <5%, laser head 155x77x60 mm			3.615,65	4.922,24
RLTMML-1064-5W-5, 1064 nm , 5 W cw, stability <5%, laser head 235x99x94 mm			8.034,78	10.938,31
INFRARED DPSS SINGLE LONGITUDINAL MODE LASERS, RLTMML-1064 series			EUR	USD
 SINGLE LONGITUDINAL MODE 80-250 VAC power supply included available options: 3% and 1% power stability, fibercoupling 1064 nm			1-3 pcs.	1-3 pcs.
RLTMML-1064-50-5, 1064 nm , 50 mW cw, stability <5%, noise <0.5%			3.286,96	4.474,76
RLTMML-1064-100-5, 1064 nm , 100 mW cw, stability <5%, noise <0.5%			4.017,39	5.469,16
RLTMML-1064-300-5, 1064 nm , 300 mW cw, stability <5%, noise <0.5%			5.204,35	7.085,04
RLTMML-1064-500-5, 1064 nm , 500 mW cw, stability <5%, noise <0.5%			8.947,83	12.181,30
RLTMML-1064-1W-5, 1064 nm , 1 W cw, stability <5%, noise <0.5%			15.339,13	20.882,23
INFRARED DPSS SINGLE LONGITUDINAL MODE LASERS, RLTMML-1064 series			EUR	USD
 80-250 VAC power supply included Q-switched pulsed operation different repetition rate available (1-5khz) 3%, 1% power stability available 1064 nm pulsed			1-3 pcs.	1-3 pcs.
RLTMPL-1064-20-5, 1064 nm , 20 μ J, pulse length ~10ns, <5% stability			3.652,17	4.971,96
RLTMPL-1064-50-5, 1064 nm , 50 μ J, pulse length ~10ns, <5% stability			5.478,26	7.457,94
RLTMPL-1064-100-5, 1064 nm , 100 μ J, pulse length ~10ns, <5% stability			7.304,35	9.943,92
RLTMPL-1064-200-5, 1064 nm , 200 μ J, pulse length ~10ns, <10% stability			8.217,39	11.186,91
INFRARED DPSS LASERS, RLTMIL-1085 series			EUR	USD
 80-250 VAC power supply included available options: 3% and 1% power stability, low noise, modulation, adjustable power, fibercoupling 1085 nm			1-3 pcs.	1-3 pcs.
RLTMIL-1085-100-5, 1085 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm			2.739,13	3.728,97
RLTMIL-1085-300-5, 1085 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm			4.473,91	6.090,65
RLTMIL-1085-500-5, 1085 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm			6.665,22	9.073,83
INFRARED DPSS LASERS, RLTMIL-1112 series			EUR	USD

 80-250 VAC power supply included available options: 3% and 1% power stability, low noise, modulation, adjustable power, fibercoupling 1112 nm	1-3 pcs.	1-3 pcs.
RLTMIL-1112-30-5, 1112 nm , 30 mW cw, stability <5%, laser head 141x46x73 mm	3.286,96	4.474,76
RLTMIL-1112-50-5, 1112 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	4.200,00	5.717,75
RLTMIL-1112-100-5, 1112 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	6.939,13	9.446,72
INFRARED DPSS LASERS, RLTMIL-1122 series	EUR	USD
 80-250 VAC power supply included available options: 5% and 3% power stability, low noise, modulation input, adjustable power, fibercoupling 1122 nm	1-3 pcs.	1-3 pcs.
RLTMIL-1122-50-10, 1122 nm , 50 mW cw, stability <10%, laser head 141x46x73 mm	2.739,13	3.728,97
RLTMIL-1122-100-10, 1122 nm , 100 mW cw, stability <10%, laser head 141x46x73 mm	3.652,17	4.971,96
RLTMIL-1122-200-10, 1122 nm , 200 mW cw, stability <10%, laser head 141x46x73 mm	4.565,22	6.214,95
RLTMIL-1122-300-10, 1122 nm , 300 mW cw, stability <10%, laser head 141x46x73 mm	6.391,30	8.700,93
INFRARED DPSS LASERS, RLTMIL-1122 series	EUR	USD
 LOW NOISE (noise of amplitude <1%) 80-250 VAC power supply included available options: 5% and 3% power stability, adjustable power, fibercoupling 1122 nm	1-3 pcs.	1-3 pcs.
RLTMIL-1122-50-10, 1122 nm , 50 mW cw, stability <10%, laser head 141x46x73 mm	3.286,96	4.474,76
RLTMIL-1122-100-10, 1122 nm , 100 mW cw, stability <10%, laser head 141x46x73 mm	4.382,61	5.966,35
RLTMIL-1122-200-10, 1122 nm , 200 mW cw, stability <10%, laser head 141x46x73 mm	5.478,26	7.457,94
RLTMIL-1122-300-10, 1122 nm , 300 mW cw, stability <10%, laser head 141x46x73 mm	7.669,57	10.441,12
INFRARED DPSS LASERS, RLTMIL-1313 series	EUR	USD
 80-250 VAC power supply included available options: 3% and 1% power stability, low noise, modulation input, adjustable power, fibercoupling, Q-switched 1313 nm	1-3 pcs.	1-3 pcs.
RLTMIL-1313-100-5, 1313 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.739,13	3.728,97
RLTMIL-1313-300-5, 1313 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	4.565,22	6.214,95
RLTMIL-1313-500-5, 1313 nm , 500 mW cw, stability <5%, laser head 155x60x77 mm	7.304,35	9.943,92
RLTMIL-1313-1W-5, 1313 nm , 1000 mW cw, stability <5%, laser head 155x60x77 mm	9.130,43	12.429,90
INFRARED DPSS LASERS, RLTMIL-1319 series	EUR	USD
 80-250 VAC power supply included available options: 3% and 1% power stability, low noise, modulation, adjustable power, fibercoupling, Q-switched 1319 nm	1-3 pcs.	1-3 pcs.
RLTMIL-1319-50-5, 1319 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	1.826,09	2.485,98
RLTMIL-1319-100-5, 1319 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.739,13	3.728,97
RLTMIL-1319-300-5, 1319 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	3.652,17	4.971,96
RLTMIL-1319-500-5, 1319 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	4.565,22	6.214,95
INFRARED DPSS LASERS, RLTMIL-1342 series	EUR	USD
 80-250 VAC power supply included available options: 3% and 1% power stability, low noise, singel longitudinal, modulation, adjustable power, fibercoupling 1342 nm	1-3 pcs.	1-3 pcs.
RLTMIL-1342-100-5, 1342 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	900,00	1.225,23
RLTMIL-1342-300-5, 1342 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	1.052,17	1.432,40

RLTMIL-1342-500-5, 1342 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	1.369,57	1.864,49
RLTMIL-1342-1W-5, 1342 nm , 1W cw, stability <5%, laser head 155x60x77 mm	3.652,17	4.971,96
RLTMIL-1342-2W-5, 1342 nm , 2W cw, stability <5%, laser head 155x60x77 mm	7.304,35	9.943,92
INFRARED DPSS LASERS, RLTMIL-1342 HIGH POWER series	EUR	USD
 80-250 VAC power supply included available options: 3% and 1% power stability, modulation input, adjustable power, fibercoupling 1342 nm	1-3 pcs.	1-3 pcs.
RLTMIL-1342-4W-5, 1342 nm , 4 W cw, stability <5%, laser head 333x140x125 mm	16.434,78	22.373,82
RLTMIL-1342-6W-5, 1342 nm , 6 W cw, stability <5%, laser head 333x140x125 mm	22.608,70	30.778,80
INFRARED DPSS LASERS, RLTMIL-1444 series	EUR	USD
 80-250 VAC power supply included available options: 3% and 1% power stability, low noise, modulation, adjustable power, fibercoupling 1444 nm	1-3 pcs.	1-3 pcs.
RLTMIL-1444-50-5, 1444 nm , 50 mW cw, stability <5%, laser head 141x46x73 mm	3.652,17	4.971,96
RLTMIL-1444-100-5, 1444 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	5.478,26	7.457,94
RLTMIL-1444-200-5, 1444 nm , 200 mW cw, stability <5%, laser head 141x46x73 mm	6.391,30	8.700,93
INFRARED LASER DIODE MODULES, RLTMIL-1450 series	EUR	USD
 80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, round spot 1450 nm	1-3 pcs.	1-3 pcs.
RLTMIL-1450-100-5, 1450 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.739,13	3.728,97
RLTMIL-1450-300-5, 1450 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	3.286,96	4.474,76
RLTMIL-1450-500-5, 1450 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	4.108,70	5.593,46
RLTMIL-1450-800-5, 1450 nm , 800 mW cw, stability <5%, laser head 141x46x73 mm	4.930,43	6.712,15
INFRARED LASER DIODE MODULES, RLTMIL-1470 series	EUR	USD
 80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power 1470 nm	1-3 pcs.	1-3 pcs.
RLTMIL-1470-100-5, 1470 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.739,13	3.728,97
RLTMIL-1470-300-5, 1470 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	3.286,96	4.474,76
RLTMIL-1470-500-5, 1470 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	4.108,70	5.593,46
RLTMIL-1470-800-5, 1470 nm , 800 mW cw, stability <5%, laser head 141x46x73 mm	4.930,43	6.712,15
INFRARED LASER DIODE MODULES, RLTMIL-1550 series	EUR	USD
 80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power 1550 nm	1-3 pcs.	1-3 pcs.
RLTMIL-1550-100-5, 1550 nm , 100 mW cw, stability <5%, laser head 141x46x73 mm	3.104,35	4.226,17
RLTMIL-1550-300-5, 1550 nm , 300 mW cw, stability <5%, laser head 141x46x73 mm	4.565,22	6.214,95
RLTMIL-1550-500-5, 1550 nm , 500 mW cw, stability <5%, laser head 141x46x73 mm	5.478,26	7.457,94
RLTMIL-1550-700-5, 1550 nm , 700 mW cw, stability <5%, laser head 141x46x73 mm	6.391,30	8.700,93
INFRARED LASER DIODE MODULES, RLTMIL-1870 series	EUR	USD
 80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power 1870 nm		

RLTMDL-1870-100-5, 1870 nm , 100 mW cw, stability <5%, laser head 155x77x60 mm	7.578,26	10.316,82
RLTMDL-1870-200-5, 1870 nm , 200 mW cw, stability <5%, laser head 155x77x60 mm	8.765,22	11.932,70
RLTMDL-1870-300-5, 1870 nm , 300 mW cw, stability <5%, laser head 155x77x60 mm	10.043,48	13.672,89
RLTMDL-1870-500-5, 1870 nm , 500 mW cw, stability <5%, laser head 155x77x60 mm	11.321,74	15.413,08
RLTMDL-1870-800-5, 1870 nm , 800 mW cw, stability <5%, laser head 155x77x60 mm	12.417,39	16.904,66
INFRARD LASER DIODE MODULES, RLTM DL-1900 series	EUR	USD
 80-250 VAC power supply included available options: 3% and 1% stability, fiber coupling, adjustable power 1900 nm		
RLTMDL-1900-100-5, 1900 nm , 100 mW cw, stability <5%, laser head 155x77x60 mm	7.578,26	10.316,82
RLTMDL-1900-200-5, 1900 nm , 200 mW cw, stability <5%, laser head 155x77x60 mm	8.765,22	11.932,70
RLTMDL-1900-300-5, 1900 nm , 300 mW cw, stability <5%, laser head 155x77x60 mm	10.043,48	13.672,89
RLTMDL-1900-500-5, 1900 nm , 500 mW cw, stability <5%, laser head 155x77x60 mm	11.321,74	15.413,08
RLTMDL-1900-800-5, 1900 nm , 800 mW cw, stability <5%, laser head 155x77x60 mm	12.417,39	16.904,66
INFRARD LASER DIODE MODULES, RLTM DL-1940 series	EUR	USD
 80-250 VAC power supply included available options: 3% and 1% stability, fiber coupling, adjustable power 1940 nm		
RLTMDL-1940-100-5, 1940 nm , 100 mW cw, stability <5%, laser head 155x77x60 mm	7.578,26	10.316,82
RLTMDL-1940-200-5, 1940 nm , 200 mW cw, stability <5%, laser head 155x77x60 mm	8.765,22	11.932,70
RLTMDL-1940-300-5, 1940 nm , 300 mW cw, stability <5%, laser head 155x77x60 mm	10.043,48	13.672,89
RLTMDL-1940-500-5, 1940 nm , 500 mW cw, stability <5%, laser head 155x77x60 mm	11.321,74	15.413,08
RLTMDL-1940-800-5, 1940 nm , 800 mW cw, stability <5%, laser head 155x77x60 mm	12.417,39	16.904,66
INFRARD LASER DIODE MODULES, RLTM DL-2200 series	EUR	USD
 80-250 VAC power supply included available options: 3% and 1% stability, low noise, fiber coupling, adjustable power 2200 nm		
RLTMDL-2200-50-5, 2200 nm , 50 mW cw, stability <5%, laser head 155x77x60 mm	7.578,26	10.316,82
RLTMDL-2200-100-5, 2200 nm , 100 mW cw, stability <5%, laser head 155x77x60 mm	8.765,22	11.932,70
RLTMDL-2200-300-5, 2200 nm , 300 mW cw, stability <5%, laser head 155x77x60 mm	10.043,48	13.672,89
RLTMDL-2200-450-5, 2200 nm , 450 mW cw, stability <5%, laser head 155x77x60 mm	11.321,74	15.413,08
LEDS - DEEP UV		
UVTOP DEEP UV LEDs 245 nm - 365 nm	EUR	USD
 DEEP UV-LEDs in TO and SMD package - metal can or ceramic SMD package - quartz glass lens - wavelength selection possible - water purification/desinfection DNA sequencing, phototherapy Blood Gas Measurements 245 nm - 365 nm -> TO		
	1-10 pcs.	1-10 pcs.
UVTOP240		
UVTOP240-FW-TO18, 245 nm +/- 5 nm, 20 mA, TO-18, flat window	357,37	486,51
UVTOP240-FW-TO39, 245 nm +/- 5 nm, 20 mA, TO-39, flat window	357,37	486,51
UVTOP240-TFWR-TO39, 245 nm +/- 5 nm, 20 mA, TO-39, tall flat window w. reflector	368,93	502,25
UVTOP240-HL-TO39, 245 nm +/- 5 nm, 20 mA, TO-39, hemispherical lens	368,93	502,25
UVTOP240-BL-TO39, 245 nm +/- 5 nm, 20 mA, TO-39, ball lens	403,63	549,49
UVTOP240-BL-TO18, 245 nm +/- 5 nm, 20 mA, TO-18, ball lens	403,63	549,49
UVTOP240-NW-TO18, 245 nm +/- 5 nm, 20 mA, TO-18, no window	351,58	478,63
UVTOP245		
UVTOP245-FW-TO18, 250 nm +/- 5 nm, 20 mA, TO-18, flat window	334,23	455,01
UVTOP245-FW-TO39, 250 nm +/- 5 nm, 20 mA, TO-39, flat window	334,23	455,01

UVTOP245-TFWR-TO39, 250 nm +/- 5 nm, 20 mA, TO-39, tall flat window w. reflector	345,80	470,76
UVTOP245-HL-TO39, 250 nm +/- 5 nm, 20 mA, TO-39, hemispherical lens	345,80	470,76
UVTOP245-BL-TO39, 250 nm +/- 5 nm, 20 mA, TO-39, ball lens	380,49	517,99
UVTOP245-BL-TO18, 250 nm +/- 5 nm, 20 mA, TO-18, ball lens	380,49	517,99
UVTOP245-NW-TO18, 250 nm +/- 5 nm, 20 mA, TO-18, no window	328,45	447,14
UVTOP250		
UVTOP250-FW-TO18, 255 nm +/- 5 nm, 20 mA, TO-18, flat window	311,10	423,52
UVTOP250-FW-TO39, 255 nm +/- 5 nm, 20 mA, TO-39, flat window	311,10	423,52
UVTOP250-TFWR-TO39, 255 nm +/- 5 nm, 20 mA, TO-39, tall flat window w. reflector	322,67	439,27
UVTOP250-HL-TO39, 255 nm +/- 5 nm, 20 mA, TO-39, hemispherical lens	322,67	439,27
UVTOP250-BL-TO39, 255 nm +/- 5 nm, 20 mA, TO-39, ball lens	357,36	486,50
UVTOP250-BL-TO18, 255 nm +/- 5 nm, 20 mA, TO-18, ball lens	357,36	486,50
UVTOP250-NW-TO18, 255 nm +/- 5 nm, 20 mA, TO-18, no window	299,53	407,78
UVTOP255		
UVTOP255-FW-TO18, 260 nm +/- 5 nm, 20 mA, TO-18, flat window	311,10	423,52
UVTOP255-FW-TO39, 260 nm +/- 5 nm, 20 mA, TO-39, flat window	311,10	423,52
UVTOP255-TFWR-TO39, 260 nm +/- 5 nm, 20 mA, TO-39, tall flat window w. reflector	322,67	439,27
UVTOP255-HL-TO39, 260 nm +/- 5 nm, 20 mA, TO-39, hemispherical lens	322,67	439,27
UVTOP255-BL-TO39, 260 nm +/- 5 nm, 20 mA, TO-39, ball lens	357,36	486,50
UVTOP255-BL-TO18, 260 nm +/- 5 nm, 20 mA, TO-18, ball lens	357,36	486,50
UVTOP255-NW-TO18, 260 nm +/- 5 nm, 20 mA, TO-18, no window	299,53	407,78
UVTOP260		
UVTOP260-FW-TO18, 265 nm +/- 5 nm, 20 mA, TO-18, flat window	287,97	392,03
UVTOP260-FW-TO39, 265 nm +/- 5 nm, 20 mA, TO-39, flat window	287,97	392,03
UVTOP260-TFWR-TO39, 265 nm +/- 5 nm, 20 mA, TO-39, tall flat window w. reflector	299,53	407,78
UVTOP260-HL-TO39, 265 nm +/- 5 nm, 20 mA, TO-39, hemispherical lens	299,53	407,78
UVTOP260-BL-TO39, 265 nm +/- 5 nm, 20 mA, TO-39, ball lens	334,23	455,01
UVTOP260-BL-TO18, 265 nm +/- 5 nm, 20 mA, TO-18, ball lens	334,23	455,01
UVTOP260-NW-TO18, 265 nm +/- 5 nm, 20 mA, TO-18, no window	276,40	376,29
UVTOP265		
UVTOP265-FW-TO18, 270 nm +/- 5 nm, 20 mA, TO-18, flat window	264,84	360,54
UVTOP265-FW-TO39, 270 nm +/- 5 nm, 20 mA, TO-39, flat window	264,84	360,54
UVTOP265-TFWR-TO39, 270 nm +/- 5 nm, 20 mA, TO-39, tall flat window w. reflector	276,40	376,29
UVTOP265-HL-TO39, 270 nm +/- 5 nm, 20 mA, TO-39, hemispherical lens	276,40	376,29
UVTOP265-BL-TO39, 270 nm +/- 5 nm, 20 mA, TO-39, ball lens	311,10	423,52
UVTOP265-BL-TO18, 270 nm +/- 5 nm, 20 mA, TO-18, ball lens	311,10	423,52
UVTOP265-NW-TO18, 270 nm +/- 5 nm, 20 mA, TO-18, no window	253,27	344,80
UVTOP270		
UVTOP270-FW-TO18, 275 nm +/- 5 nm, 20 mA, TO-18, flat window	230,14	313,31
UVTOP270-FW-TO39, 275 nm +/- 5 nm, 20 mA, TO-39, flat window	230,14	313,31
UVTOP270-TFWR-TO39, 275 nm +/- 5 nm, 20 mA, TO-39, tall flat window w. reflector	241,71	329,06
UVTOP270-HL-TO39, 275 nm +/- 5 nm, 20 mA, TO-39, hemispherical lens	241,71	329,06
UVTOP270-BL-TO39, 275 nm +/- 5 nm, 20 mA, TO-39, ball lens	276,40	376,29
UVTOP270-BL-TO18, 275 nm +/- 5 nm, 20 mA, TO-18, ball lens	276,40	376,29
UVTOP270-NW-TO18, 275 nm +/- 5 nm, 20 mA, TO-18, no window	218,58	297,57
UVTOP270-FW-SMD, 275 nm +/-5 nm, 20 mA, 3.5x3.5x0.8mm SMD, flat window	230,14	313,31
UVTOP270-EW-SMD, 275 nm +/-5 nm, 20 mA, 3.5x3.5x0.8mm SMD, encapsulated window	241,71	329,06
UVTOP270-HL-SMD, 275 nm +/-5 nm, 20 mA, 3.5x3.5x0.8mm SMD, hemispherical lens	241,71	329,06
UVTOP270-NW-SMD, 275 nm +/-5 nm, 20 mA, 3.5x3.5x0.8mm SMD, no window	218,58	297,57
UVTOP275		
UVTOP275-FW-TO18, 280 nm +/- 5 nm, 20 mA, TO-18, flat window	207,01	281,82
UVTOP275-FW-TO39, 280 nm +/- 5 nm, 20 mA, TO-39, flat window	207,01	281,82
UVTOP275-TFWR-TO39, 280 nm +/- 5 nm, 20 mA, TO-39, tall flat window w. reflector	218,58	297,57
UVTOP275-HL-TO39, 280 nm +/- 5 nm, 20 mA, TO-39, hemispherical lens	218,58	297,57
UVTOP275-BL-TO39, 280 nm +/- 5 nm, 20 mA, TO-39, ball lens	253,27	344,80
UVTOP275-BL-TO18, 280 nm +/- 5 nm, 20 mA, TO-18, ball lens	253,27	344,80
UVTOP275-NW-TO18, 280 nm +/- 5 nm, 20 mA, TO-18, no window	195,45	266,08
UVTOP275-FW-SMD, 280 nm +/-5 nm, 20 mA, 3.5x3.5x0.8mm SMD, flat window	207,01	281,82
UVTOP275-EW-SMD, 280 nm +/-5 nm, 20 mA, 3.5x3.5x0.8mm SMD, encapsulated window	218,58	297,57
UVTOP275-HL-SMD, 280 nm +/-5 nm, 20 mA, 3.5x3.5x0.8mm SMD, hemispherical lens	218,58	297,57
UVTOP275-NW-SMD, 280 nm +/-5 nm, 20 mA, 3.5x3.5x0.8mm SMD, no window	195,45	266,08
UVTOP280		
UVTOP280-FW-TO18, 285 nm +/- 5 nm, 20 mA, TO-18, flat window	195,45	266,08
UVTOP280-FW-TO39, 285 nm +/- 5 nm, 20 mA, TO-39, flat window	195,45	266,08

UVTOP280-TFWR-TO39, 285 nm +/- 5 nm, 20 mA, TO-39, tall flat window w. reflector	207,01	281,82
UVTOP280-HL-TO39, 285 nm +/- 5 nm, 20 mA, TO-39, hemispherical lens	207,01	281,82
UVTOP280-BL-TO39, 285 nm +/- 5 nm, 20 mA, TO-39, ball lens	241,71	329,06
UVTOP280-BL-TO18, 285 nm +/- 5 nm, 20 mA, TO-18, ball lens	241,71	329,06
UVTOP280-NW-TO18, 285 nm +/- 5 nm, 20 mA, TO-18, no window	183,88	250,33
UVTOP280-FW-SMD, 285 nm +/-5 nm, 20 mA, 3.5x3.5x0.8mm SMD, flat window	195,45	266,08
UVTOP280-EW-SMD, 285 nm +/-5 nm, 20 mA, 3.5x3.5x0.8mm SMD, encapsulated window	207,01	281,82
UVTOP280-HL-SMD, 285 nm +/-5 nm, 20 mA, 3.5x3.5x0.8mm SMD, hemispherical lens	207,01	281,82
UVTOP280-NW-SMD, 285 nm +/-5 nm, 20 mA, 3.5x3.5x0.8mm SMD, no window	183,88	250,33
UVTOP285		
UVTOP285-FW-TO18, 290 nm +/- 5 nm, 20 mA, TO-18, flat window	183,88	250,33
UVTOP285-FW-TO39, 290 nm +/- 5 nm, 20 mA, TO-39, flat window	183,88	250,33
UVTOP285-TFWR-TO39, 290 nm +/- 5 nm, 20 mA, TO-39, tall flat window w. reflector	195,45	266,08
UVTOP285-HL-TO39, 290 nm +/- 5 nm, 20 mA, TO-39, hemispherical lens	195,45	266,08
UVTOP285-BL-TO39, 290 nm +/- 5 nm, 20 mA, TO-39, ball lens	230,14	313,31
UVTOP285-BL-TO18, 290 nm +/- 5 nm, 20 mA, TO-18, ball lens	230,14	313,31
UVTOP285-NW-TO18, 290 nm +/- 5 nm, 20 mA, TO-18, no window	172,32	234,59
UVTOP290		
UVTOP290-FW-TO18, 295 nm +/- 5 nm, 20 mA, TO-18, flat window	172,32	234,59
UVTOP290-FW-TO39, 295 nm +/- 5 nm, 20 mA, TO-39, flat window	172,32	234,59
UVTOP290-TFWR-TO39, 295 nm +/- 5 nm, 20 mA, TO-39, tall flat window w. reflector	183,88	250,33
UVTOP290-HL-TO39, 295 nm +/- 5 nm, 20 mA, TO-39, hemispherical lens	183,88	250,33
UVTOP290-BL-TO39, 295 nm +/- 5 nm, 20 mA, TO-39, ball lens	218,58	297,57
UVTOP290-BL-TO18, 295 nm +/- 5 nm, 20 mA, TO-18, ball lens	218,58	297,57
UVTOP290-NW-TO18, 295 nm +/- 5 nm, 20 mA, TO-18, no window	160,75	218,85
UVTOP295		
UVTOP295-FW-TO18, 300 nm +/- 5 nm, 20 mA, TO-18, flat window	172,32	234,59
UVTOP295-FW-TO39, 300 nm +/- 5 nm, 20 mA, TO-39, flat window	172,32	234,59
UVTOP295-TFWR-TO39, 300 nm +/- 5 nm, 20 mA, TO-39, tall flat window w. reflector	183,88	250,33
UVTOP295-HL-TO39, 300 nm +/- 5 nm, 20 mA, TO-39, hemispherical lens	183,88	250,33
UVTOP295-BL-TO39, 300 nm +/- 5 nm, 20 mA, TO-39, ball lens	218,58	297,57
UVTOP295-BL-TO18, 300 nm +/- 5 nm, 20 mA, TO-18, ball lens	218,58	297,57
UVTOP295-NW-TO18, 300 nm +/- 5 nm, 20 mA, TO-18, no window	160,75	218,85
UVTOP300		
UVTOP300-FW-TO18, 305 nm +/- 5 nm, 20 mA, TO-18, flat window	160,75	218,85
UVTOP300-FW-TO39, 305 nm +/- 5 nm, 20 mA, TO-39, flat window	160,75	218,85
UVTOP300-TFWR-TO39, 305 nm +/- 5 nm, 20 mA, TO-39, tall flat window w. reflector	172,32	234,59
UVTOP300-HL-TO39, 305 nm +/- 5 nm, 20 mA, TO-39, hemispherical lens	172,32	234,59
UVTOP300-BL-TO39, 305 nm +/- 5 nm, 20 mA, TO-39, ball lens	207,01	281,82
UVTOP300-BL-TO18, 305 nm +/- 5 nm, 20 mA, TO-18, ball lens	207,01	281,82
UVTOP300-NW-TO18, 305 nm +/- 5 nm, 20 mA, TO-18, no window	149,19	203,10
UVTOP305		
UVTOP305-FW-TO18, 310 nm +/- 5 nm, 20 mA, TO-18, flat window	160,75	218,85
UVTOP305-FW-TO39, 310 nm +/- 5 nm, 20 mA, TO-39, flat window	160,75	218,85
UVTOP305-TFWR-TO39, 310 nm +/- 5 nm, 20 mA, TO-39, tall flat window w. reflector	172,32	234,59
UVTOP305-HL-TO39, 310 nm +/- 5 nm, 20 mA, TO-39, hemispherical lens	172,32	234,59
UVTOP305-BL-TO39, 310 nm +/- 5 nm, 20 mA, TO-39, ball lens	207,01	281,82
UVTOP305-BL-TO18, 310 nm +/- 5 nm, 20 mA, TO-18, ball lens	207,01	281,82
UVTOP305-NW-TO18, 310 nm +/- 5 nm, 20 mA, TO-18, no window	149,19	203,10
UVTOP305-FW-SMD, 310 nm +/-5 nm, 20 mA, 3.5x3.5x0.8mm SMD, flat window	160,75	218,84
UVTOP305-EW-SMD, 310 nm +/-5 nm, 20 mA, 3.5x3.5x0.8mm SMD, encapsulated window	172,32	234,59
UVTOP305-HL-SMD, 310 nm +/-5 nm, 20 mA, 3.5x3.5x0.8mm SMD, hemispherical lens	172,32	234,59
UVTOP305-NW-SMD, 310 nm +/-5 nm, 20 mA, 3.5x3.5x0.8mm SMD, no window	149,19	203,10
UVTOP310		
UVTOP310-FW-TO18, 315 nm +/- 5 nm, 20 mA, TO-18, flat window	149,19	203,10
UVTOP310-FW-TO39, 315 nm +/- 5 nm, 20 mA, TO-39, flat window	149,19	203,10
UVTOP310-TFWR-TO39, 315 nm +/- 5 nm, 20 mA, TO-39, tall flat window w. reflector	160,75	218,85
UVTOP310-HL-TO39, 315 nm +/- 5 nm, 20 mA, TO-39, hemispherical lens	160,75	218,85
UVTOP310-BL-TO39, 315 nm +/- 5 nm, 20 mA, TO-39, ball lens	195,45	266,08
UVTOP310-BL-TO18, 315 nm +/- 5 nm, 20 mA, TO-18, ball lens	195,45	266,08
UVTOP310-NW-TO18, 315 nm +/- 5 nm, 20 mA, TO-18, no window	137,62	187,36
UVTOP315		
UVTOP315-FW-TO18, 320 nm +/- 5 nm, 20 mA, TO-18, flat window	149,19	203,10
UVTOP315-FW-TO39, 320 nm +/- 5 nm, 20 mA, TO-39, flat window	149,19	203,10

UVTOP315-TFWR-TO39, 320 nm +/- 5 nm, 20 mA, TO-39, tall flat window w. reflector	160,75	218,85
UVTOP315-HL-TO39, 320 nm +/- 5 nm, 20 mA, TO-39, hemispherical lens	160,75	218,85
UVTOP315-BL-TO39, 320 nm +/- 5 nm, 20 mA, TO-39, ball lens	195,45	266,08
UVTOP315-BL-TO18, 320 nm +/- 5 nm, 20 mA, TO-18, ball lens	195,45	266,08
UVTOP315-NW-TO18, 320 nm +/- 5 nm, 20 mA, TO-18, no window	137,62	187,36
UVTOP325		
UVTOP325-FW-TO18, 330 nm +/- 5 nm, 20 mA, TO-18, flat window	137,62	187,36
UVTOP325-FW-TO39, 330 nm +/- 5 nm, 20 mA, TO-39, flat window	137,62	187,36
UVTOP325-TFWR-TO39, 330 nm +/- 5 nm, 20 mA, TO-39, tall flat window w. reflector	149,19	203,10
UVTOP325-HL-TO39, 330 nm +/- 5 nm, 20 mA, TO-39, hemispherical lens	149,19	203,10
UVTOP325-BL-TO39, 330 nm +/- 5 nm, 20 mA, TO-39, ball lens	183,88	250,33
UVTOP325-BL-TO18, 330 nm +/- 5 nm, 20 mA, TO-18, ball lens	183,88	250,33
UVTOP325-NW-TO18, 330 nm +/- 5 nm, 20 mA, TO-18, no window	126,06	171,61
UVTOP335		
UVTOP335-FW-TO18, 340 nm +/- 5 nm, 20 mA, TO-18, flat window	114,49	155,87
UVTOP335-FW-TO39, 340 nm +/- 5 nm, 20 mA, TO-39, flat window	114,49	155,87
UVTOP335-TFWR-TO39, 340 nm +/- 5 nm, 20 mA, TO-39, tall flat window w. reflector	126,06	171,61
UVTOP335-HL-TO39, 340 nm +/- 5 nm, 20 mA, TO-39, hemispherical lens	126,06	171,61
UVTOP335-BL-TO39, 340 nm +/- 5 nm, 20 mA, TO-39, ball lens	160,75	218,85
UVTOP335-BL-TO18, 340 nm +/- 5 nm, 20 mA, TO-18, ball lens	160,75	218,85
UVTOP335-NW-TO18, 340 nm +/- 5 nm, 20 mA, TO-18, no window	102,93	140,12
UVTOP345		
UVTOP345-FW-TO18, 350 nm +/- 5 nm, 20 mA, TO-18, flat window	o.r	o.r
UVTOP345-FW-TO39, 350 nm +/- 5 nm, 20 mA, TO-39, flat window	o.r	o.r
UVTOP345-TFWR-TO39, 350 nm +/- 5 nm, 20 mA, TO-39, tall flat window w. reflector	o.r	o.r
UVTOP345-HL-TO39, 350 nm +/- 5 nm, 20 mA, TO-39, hemispherical lens	o.r	o.r
UVTOP345-BL-TO39, 350 nm +/- 5 nm, 20 mA, TO-39, ball lens	o.r	o.r
UVTOP345-BL-TO18, 350 nm +/- 5 nm, 20 mA, TO-18, ball lens	o.r	o.r
UVTOP345-NW-TO18, 350 nm +/- 5 nm, 20 mA, TO-18, no window	o.r	o.r
UVTOP355		
UVTOP355-FW-TO18, 365 nm +/- 5 nm, 20 mA, TO-18, flat window	o.r	o.r
UVTOP355-FW-TO39, 365 nm +/- 5 nm, 20 mA, TO-39, flat window	o.r	o.r
UVTOP355-TFWR-TO39, 365 nm +/- 5 nm, 20 mA, TO-39, tall flat window w. reflector	o.r	o.r
UVTOP355-HL-TO39, 365 nm +/- 5 nm, 20 mA, TO-39, hemispherical lens	o.r	o.r
UVTOP355-BL-TO39, 365 nm +/- 5 nm, 20 mA, TO-39, ball lens	o.r	o.r
UVTOP355-BL-TO18, 365 nm +/- 5 nm, 20 mA, TO-18, ball lens	o.r	o.r
UVTOP355-NW-TO18, 365 nm +/- 5 nm, 20 mA, TO-18, no window	o.r	o.r
ENHANCED DEEP UV LEDs 265 nm - 340 nm	EUR	USD
 UVA, UVB, and UVC LEDs with enhanced output power and increased lifetime based on AlGaIn. For UV-curing, medical phototherapy, water/air disinfection and purification. - TO18, TO5, chip on submount, and SMD available 265 nm - 340 nm	1-10 pcs.	1-10 pcs.
UVC265		
UVC265-SMT, 265 +/-5 nm, 0.6 mW at 20 mA, +/- 58°, bare die on Si submount	290,40	395,34
UVC265-OC39, 265 +/-5 nm, 0.6 mW at 20 mA, +/- 58°, TO-39, open can	373,15	508,00
UVC265-OC46, 265 +/-5 nm, 0.6 mW at 20 mA, +/- 58°, TO-46S, open can	373,15	508,00
UVC265-FW5, 265 +/-5 nm, 0.6 mW at 20 mA, +/- 58°, TO-5, flat window	414,00	563,61
UVC265-FW18, 265 +/-5 nm, 0.4 mW at 20 mA, +/- 55°, TO-18, flat window	414,00	563,61
UVC265-HL5N, 265 +/-5 nm, 0.3 mW at 20 mA, +/- 3°, TO-5, hemispherical lens	428,35	583,14
UVC265-HL46N, 265 +/-5 nm, 0.3 mW at 20 mA, +/- 3°, TO-46S, hemispherical lens	428,35	583,14
UVC265-HL18M, 265 +/-5 nm, 0.4 mW at 20 mA, +/- 12°, TO-18, hemispherical lens	428,35	583,14
UVC265-HL18W, 265 +/-5 nm, 0.4 mW at 20 mA, +/- 20°, TO-18, hemispherical lens	428,35	583,14
UVC265-SMD, 265 +/-5 nm, 0.5 mW at 20 mA, +/- 56°, ceramic SMD, flat window	o.r	o.r
UVB280		
UVB280-SMT, 280 +/-5 nm, 1.5 mW at 20 mA, +/- 58°, bare die on Si submount	220,80	300,59
UVB280-OC39, 280 +/-5 nm, 1.5 mW at 20 mA, +/- 58°, TO-39, open can	303,60	413,31
UVB280-OC46, 280 +/-5 nm, 1.5 mW at 20 mA, +/- 58°, TO-46S, open can	303,60	413,31
UVB280-FW5, 280 +/-5 nm, 1.5 mW at 20 mA, +/- 58°, TO-5, flat window	345,55	470,42
UVB280-FW18, 280 +/-5 nm, 1.2 mW at 20 mA, +/- 55°, TO-18, flat window	345,55	470,42
UVB280-HL5N, 280 +/-5 nm, 0.8 mW at 20 mA, +/- 3°, TO-5, hemispherical lens	320,80	434,48
UVB280-HL46N, 280 +/-5 nm, 0.9 mW at 20 mA, +/- 3°, TO-46S, hemispherical lens	358,80	488,46

UVB280-HL18M, 280 +/-5 nm, 1.2 mW at 20 mA, +/- 12°, TO-18, hemispherical lens	358,80	488,46
UVB280-HL18W, 280 +/-5 nm, 1.0 mW at 20 mA, +/- 20°, TO-18, hemispherical lens	358,80	488,46
UVB280-SMD, 280 +/-5 nm, 1.2 mW at 20 mA, +/- 56°, ceramic SMD, hemispherical lens	o.r	o.r
UVB310		
UVB310-SMT, 310 +/-5 nm, 0.8 mW at 20 mA, +/- 58°, bare die on Si submount	186,60	254,03
UVB310-OC39, 310 +/-5 nm, 0.8 mW at 20 mA, +/- 58°, TO-39, open can	269,38	366,73
UVB310-OC46, 310 +/-5 nm, 0.8 mW at 20 mA, +/- 58°, TO-46S, open can	269,38	366,73
UVB310-FW5, 310 +/-5 nm, 0.8 mW at 20 mA, +/- 58°, TO-5, flat window	310,22	422,32
UVB310-FW18, 310 +/-5 nm, 0.7 mW at 20 mA, +/- 55°, TO-18, flat window	310,22	422,32
UVB310-HL5N, 310 +/-5 nm, 0.4 mW at 20 mA, +/- 3°, TO-5, hemispherical lens	324,58	441,87
UVB310-HL46N, 310 +/-5 nm, 0.4 mW at 20 mA, +/- 3°, TO-46S, hemispherical lens	324,58	441,87
UVB310-HL18M, 310 +/-5 nm, 0.6 mW at 20 mA, +/- 12°, TO-18, hemispherical lens	324,58	441,87
UVB310-HL18W, 310 +/-5 nm, 0.6 mW at 20 mA, +/- 20°, TO-18, hemispherical lens	324,58	441,87
UVB310-SMD, 310 +/-5 nm, 0.8 mW at 20 mA, +/- 56°, ceramic SMD, flat window	o.r	o.r
UVB325		
UVB325-SMT, 325 +/-5 nm, 0.9 mW at 20 mA, +/- 58°, bare die on Si submount	152,40	207,47
UVB325-OC39, 325 +/-5 nm, 0.9 mW at 20 mA, +/- 58°, TO-39, open can	235,15	320,13
UVB325-OC46, 325 +/-5 nm, 0.9 mW at 20 mA, +/- 58°, TO-46S, open can	235,15	320,13
UVB325-FW5, 325 +/-5 nm, 0.9 mW at 20 mA, +/- 58°, TO-5, flat window	276,00	375,74
UVB325-FW18, 325 +/-5 nm, 0.8 mW at 20 mA, +/- 55°, TO-18, flat window	276,00	375,74
UVB325-HL5N, 325 +/-5 nm, 0.5 mW at 20 mA, +/- 3°, TO-5, hemispherical lens	290,35	395,27
UVB325-HL46N, 325 +/-5 nm, 0.5 mW at 20 mA, +/- 3°, TO-46S, hemispherical lens	290,35	395,27
UVB325-HL18M, 325 +/-5 nm, 0.8 mW at 20 mA, +/- 12°, TO-18, hemispherical lens	290,35	395,27
UVB325-HL18W, 325 +/-5 nm, 0.7 mW at 20 mA, +/- 20°, TO-18, hemispherical lens	290,35	395,27
UVB325-SMD, 325 +/-5 nm, 0.9 mW at 20 mA, +/- 56°, ceramic SMD, flat window	o.r	o.r
UVB340		
UVB340-SMT, 340 +/-5 nm, 1.0 mW at 20 mA, +/- 58°, bare die on Si submount	152,40	207,47
UVB340-OC39, 340 +/-5 nm, 1.0 mW at 20 mA, +/- 58°, TO-39, open can	235,15	320,13
UVB340-OC46, 340 +/-5 nm, 1.0 mW at 20 mA, +/- 58°, TO-46S, open can	235,15	320,13
UVB340-FW5, 340 +/-5 nm, 1.0 mW at 20 mA, +/- 58°, TO-5, flat window	276,00	375,74
UVB340-FW18, 340 +/-5 nm, 0.8 mW at 20 mA, +/- 55°, TO-18, flat window	276,00	375,74
UVB340-HL5N, 340 +/-5 nm, 0.6 mW at 20 mA, +/- 3°, TO-5, hemispherical lens	290,35	395,27
UVB340-HL46N, 340 +/-5 nm, 0.6 mW at 20 mA, +/- 3°, TO-46S, hemispherical lens	290,35	395,27
UVB340-HL18M, 340 +/-5 nm, 0.8 mW at 20 mA, +/- 12°, TO-18, hemispherical lens	290,35	395,27
UVB340-HL18W, 340 +/-5 nm, 0.8 mW at 20 mA, +/- 20°, TO-18, hemispherical lens	290,35	395,27
UVB340-SMD, 340 +/-5 nm, 1.2 mW at 20 mA, +/- 56°, ceramic SMD, flat window	o.r	o.r
ENHANCED DEEP UV LEDs 9 chip arrays 265 nm - 340 nm		
 - 9 chip LED array - Output power up to 11mW - Aperture area ~20mm" - based on AlGaIn - ESD protection - UVA, UVB, UVC wavelengths available	EUR	USD
	1-10 pcs.	1-10 pcs.
UVC265-A9C, 265 +/-5 nm, 5.7 mW at 60 mA, +/- 65°, 30x30x3 mm	o.r	o.r
UVC280-A9C, 280 +/-5 nm, 10.8 mW at 60 mA, +/- 65°, 30x30x3 mm	o.r	o.r
UVC310-A9C, 310 +/-5 nm, 6.2 mW at 60 mA, +/- 65°, 30x30x3 mm	o.r	o.r
UVC325-A9C, 325 +/-5 nm, 8.8 mW at 60 mA, +/- 65°, 30x30x3 mm	o.r	o.r
UVC340-A9C, 340 +/-5 nm, 8.8 mW at 60 mA, +/- 65°, 30x30x3 mm	o.r	o.r
UV-Tester for UVTOP LEDs		
 DC power supply for UVTOP LEDs 2...50mA (depending on wavelength) status LED	EUR	USD
	1-5 pcs.	1-5 pcs.
UVTOP Tester, 2...50 mA, 80x60x22 mm³, 100 g, 9V battery included	31,74	43,21
UVTOP Tester-cal, 1...20 mA, calibrated, 80x60x22 mm³, 100 g, 9V battery included	245,00	333,54
UVDRIVE precision driver for UVTOP and UVLUX LEDs		
	EUR	USD

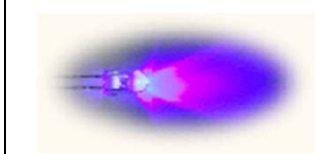
 	AC/DC precision current driver digital monitoring display current continuously adjust. up to 180mA LED fixture and cable included 110-240VAC power supply included		
		1-5 pcs.	1-5 pcs.
UVDRIVE-50, up to 50 mA, current display, 145x83x65 mm³, 280 g, 110-240 VAC		430,51	586,09
UVDRIVE-80, up to 80 mA, current display, 145x83x65 mm³, 280 g, 110-240 VAC		430,51	586,09
UVDRIVE-180, up to 180 mA, current display, 145x83x65 mm³, 280 g, 110-240 VAC		430,51	586,09
UVLUX HIGH POWER DEEP UV LEDs 255 nm - 350 nm		EUR	USD
			
		1-10 pcs.	1-10 pcs.
UVLUX250-FW-3, 255 nm +/- 5 nm, 1-3 mW, TO-39, flat window		850,25	1.157,50
UVLUX250-FW-5, 255 nm +/- 5 nm, 3-5 mW, TO-39, flat window		981,26	1.335,85
UVLUX250-HL-3, 255 nm +/- 5 nm, 1-3 mW, TO-39, hemispherical lens		863,35	1.175,34
UVLUX250-HL-5, 255 nm +/- 5 nm, 3-5 mW, TO-39, hemispherical lens		1.007,46	1.371,52
UVLUX260-FW-3, 265 nm +/- 5 nm, 1-3 mW, TO-39, flat window		457,22	622,45
UVLUX260-FW-5, 265 nm +/- 5 nm, 3-5 mW, TO-39, flat window		915,75	1.246,68
UVLUX260-HL-3, 265 nm +/- 5 nm, 1-3 mW, TO-39, hemispherical lens		470,32	640,28
UVLUX260-HL-5, 265 nm +/- 5 nm, 3-5 mW, TO-39, hemispherical lens		955,05	1.300,18
UVLUX270-FW-3, 275 nm +/- 5 nm, 1-3 mW, TO-39, flat window		391,72	533,27
UVLUX270-FW-5, 275 nm +/- 5 nm, 3-5 mW, TO-39, flat window		850,25	1.157,50
UVLUX270-HL-3, 275 nm +/- 5 nm, 1-3 mW, TO-39, hemispherical lens		417,92	568,94
UVLUX270-HL-5, 275 nm +/- 5 nm, 3-5 mW, TO-39, hemispherical lens		863,35	1.175,34
UVLUX275-FW-3, 280 nm +/- 5 nm, 1-3 mW, TO-39, flat window		391,72	533,27
UVLUX275-FW-5, 280 nm +/- 5 nm, 3-5 mW, TO-39, flat window		824,04	1.121,83
UVLUX275-HL-3, 280 nm +/- 5 nm, 1-3 mW, TO-39, hemispherical lens		417,92	568,94
UVLUX275-HL-5, 280 nm +/- 5 nm, 3-5 mW, TO-39, hemispherical lens		850,25	1.157,50
UVLUX285-FW-3, 290 nm +/- 5 nm, 1-3 mW, TO-39, flat window		365,51	497,60
UVLUX285-FW-5, 290 nm +/- 5 nm, 3-5 mW, TO-39, flat window		797,84	1.086,16
UVLUX285-HL-3, 290 nm +/- 5 nm, 1-3 mW, TO-39, hemispherical lens		378,62	515,44
UVLUX285-HL-5, 290 nm +/- 5 nm, 3-5 mW, TO-39, hemispherical lens		810,94	1.103,99
UVLUX295-FW-3, 300 nm +/- 5 nm, 1-3 mW, TO-39, flat window		326,21	444,09
UVLUX295-FW-5, 300 nm +/- 5 nm, 3-5 mW, TO-39, flat window		784,74	1.068,32
UVLUX295-HL-3, 300 nm +/- 5 nm, 1-3 mW, TO-39, hemispherical lens		339,31	461,93
UVLUX295-HL-5, 300 nm +/- 5 nm, 3-5 mW, TO-39, hemispherical lens		797,84	1.086,16
UVLUX305-FW-3, 310 nm +/- 5 nm, 1-3 mW, TO-39, flat window		300,01	408,42
UVLUX305-FW-5, 310 nm +/- 5 nm, 3-5 mW, TO-39, flat window		719,24	979,15
UVLUX305-HL-3, 310 nm +/- 5 nm, 1-3 mW, TO-39, hemispherical lens		313,11	426,26
UVLUX305-HL-5, 310 nm +/- 5 nm, 3-5 mW, TO-39, hemispherical lens		732,34	996,98
UVLUX315-FW-3, 320 nm +/- 5 nm, 1-3 mW, TO-39, flat window		300,01	408,42
UVLUX315-FW-5, 320 nm +/- 5 nm, 3-5 mW, TO-39, flat window		719,24	979,15
UVLUX315-HL-3, 320 nm +/- 5 nm, 1-3 mW, TO-39, hemispherical lens		313,11	426,26
UVLUX315-HL-5, 320 nm +/- 5 nm, 3-5 mW, TO-39, hemispherical lens		732,34	996,98
UVLUX320-FW-3, 330 nm +/- 10 nm, 1-3 mW, TO-39, flat window		260,71	354,92
UVLUX320-FW-5, 330 nm +/- 10 nm, 3-5 mW, TO-39, flat window		653,73	889,97
UVLUX320-HL-3, 330 nm +/- 10 nm, 1-3 mW, TO-39, hemispherical lens		273,81	372,75
UVLUX320-HL-5, 330 nm +/- 10 nm, 3-5 mW, TO-39, hemispherical lens		666,83	907,81
UVLUX335-FW-3, 340 nm +/- 5 nm, 1-3 mW, TO-39, flat window		260,71	354,92
UVLUX335-FW-5, 340 nm +/- 5 nm, 3-5 mW, TO-39, flat window		653,73	889,97
UVLUX335-HL-3, 340 nm +/- 5 nm, 1-3 mW, TO-39, hemispherical lens		273,81	372,75
UVLUX335-HL-5, 340 nm +/- 5 nm, 3-5 mW, TO-39, hemispherical lens		666,83	907,81
UVLUX340-FW-3, 345 nm +5 /-8 nm, 1-3 mW, TO-39, flat window		129,70	176,57
UVLUX340-FW-5, 345 nm +5 /-8 nm, 3-5 mW, TO-39, flat window		260,71	354,92
UVLUX340-HL-3, 345 nm +5 /-8 nm, 1-3 mW, TO-39, hemispherical lens		142,80	194,40
UVLUX340-HL-5, 345 nm +5 /-8 nm, 3-5 mW, TO-39, hemispherical lens		273,81	372,75
UVMAX HIGH POWER DEEP UV LEDs 255 nm - 350 nm 10 ...15 mW		EUR	USD

			
		1-10 pcs.	1-10 pcs.
UVMAX250-FW-15, 255 nm +/- 5 nm, 10-15 mW, TO-3, flat window		2.815,38	3.832,77
UVMAX250-FW-15-TEC, 255 nm +/- 5 nm, 10-15 mW, TO-3 with TEC, flat window		2.946,39	4.011,12
UVMAX250-HL-15, 255 nm +/- 5 nm, 10-15 mW, TO-3, hemispherical lens		2.880,88	3.921,95
UVMAX250-HL-15-TEC, 255 nm +/- 5 nm, 10-15 mW, TO-3, hemispherical lens, TEC		3.011,89	4.100,30
UVMAX260-FW-15, 265 nm +/- 5 nm, 10-15 mW, TO-3, flat window		2.487,86	3.386,89
UVMAX260-FW-15-TEC, 265 nm +/- 5 nm, 10-15 mW, TO-3 with TEC, flat window		2.618,86	3.565,24
UVMAX260-HL-15, 265 nm +/- 5 nm, 10-15 mW, TO-3, hemispherical lens		2.553,36	3.476,07
UVMAX260-HL-15-TEC, 265 nm +/- 5 nm, 10-15 mW, TO-3, hemispherical lens, TEC		2.946,39	4.011,12
UVMAX270-FW-15, 275 nm +/- 5 nm, 10-15 mW, TO-3, flat window		2.225,84	3.030,19
UVMAX270-FW-15-TEC, 275 nm +/- 5 nm, 10-15 mW, TO-3 with TEC, flat window		2.356,85	3.208,54
UVMAX270-HL-15, 275 nm +/- 5 nm, 10-15 mW, TO-3, hemispherical lens		2.291,34	3.119,36
UVMAX270-HL-15-TEC, 275 nm +/- 5 nm, 10-15 mW, TO-3, hemispherical lens, TEC		2.422,35	3.297,72
UVMAX275-FW-15, 280 nm +/- 5 nm, 10-15 mW, TO-3, flat window		1.963,82	2.673,49
UVMAX275-FW-15-TEC, 280 nm +/- 5 nm, 10-15 mW, TO-3 with TEC, flat window		2.094,83	2.851,84
UVMAX275-HL-15, 280 nm +/- 5 nm, 10-15 mW, TO-3, hemispherical lens		2.029,32	2.762,66
UVMAX275-HL-15-TEC, 280 nm +/- 5 nm, 10-15 mW, TO-3, hemispherical lens, TEC		2.160,33	2.941,01
UVMAX285-FW-15, 290 nm +/- 5 nm, 10-15 mW, TO-3, flat window		1.701,80	2.316,78
UVMAX285-FW-15-TEC, 290 nm +/- 5 nm, 10-15 mW, TO-3 with TEC, flat window		1.832,81	2.495,13
UVMAX285-HL-15, 290 nm +/- 5 nm, 10-15 mW, TO-3, hemispherical lens		1.767,31	2.405,96
UVMAX285-HL-15-TEC, 290 nm +/- 5 nm, 10-15 mW, TO-3, hemispherical lens, TEC		1.898,32	2.584,31
UVMAX295-FW-15, 300 nm +/- 5 nm, 10-15 mW, TO-3, flat window		1.177,77	1.603,38
UVMAX295-FW-15-TEC, 300 nm +/- 5 nm, 10-15 mW, TO-3 with TEC, flat window		1.308,78	1.781,73
UVMAX295-HL-15, 300 nm +/- 5 nm, 10-15 mW, TO-3, hemispherical lens		1.243,27	1.692,55
UVMAX295-HL-15-TEC, 300 nm +/- 5 nm, 10-15 mW, TO-3, hemispherical lens, TEC		1.374,28	1.870,91
UVMAX305-FW-15, 310 nm +/- 5 nm, 10-15 mW, TO-3, flat window		1.112,26	1.514,20
UVMAX305-FW-15-TEC, 310 nm +/- 5 nm, 10-15 mW, TO-3 with TEC, flat window		1.177,77	1.603,38
UVMAX305-HL-15, 310 nm +/- 5 nm, 10-15 mW, TO-3, hemispherical lens		1.177,77	1.603,38
UVMAX305-HL-15-TEC, 310 nm +/- 5 nm, 10-15 mW, TO-3, hemispherical lens, TEC		1.243,27	1.692,55
UVMAX315-FW-15, 320 nm +/- 5 nm, 10-15 mW, TO-3, flat window		1.112,26	1.514,20
UVMAX315-FW-15-TEC, 320 nm +/- 5 nm, 10-15 mW, TO-3 with TEC, flat window		1.177,77	1.603,38
UVMAX315-HL-15, 320 nm +/- 5 nm, 10-15 mW, TO-3, hemispherical lens		1.177,77	1.603,38
UVMAX315-HL-15-TEC, 320 nm +/- 5 nm, 10-15 mW, TO-3, hemispherical lens, TEC		1.243,27	1.692,55
UVMAX320-FW-15, 330 nm +/- 10 nm, 10-15 mW, TO-3, flat window		850,25	1.157,50
UVMAX320-FW-15-TEC, 330 nm +/- 10 nm, 10-15 mW, TO-3 with TEC, flat window		915,75	1.246,68
UVMAX320-HL-15, 330 nm +/- 10 nm, 10-15 mW, TO-3, hemispherical lens		915,75	1.246,68
UVMAX320-HL-15-TEC, 330 nm +/- 10 nm, 10-15 mW, TO-3, hemispherical lens, TEC		981,26	1.335,85
UVMAX335-FW-15, 340 nm +/- 5 nm, 10-15 mW, TO-3, flat window		850,25	1.157,50
UVMAX335-FW-15-TEC, 340 nm +/- 5 nm, 10-15 mW, TO-3 with TEC, flat window		915,75	1.246,68
UVMAX335-HL-15, 340 nm +/- 5 nm, 10-15 mW, TO-3, hemispherical lens		915,75	1.246,68
UVMAX335-HL-15-TEC, 340 nm +/- 10 nm, 10-15 mW, TO-3, hemispherical lens, TEC		981,26	1.335,85
UVMAX340-FW-15-TEC, 345 nm +/- 5/-8 nm, 10-15 mW, TO-3 with TEC, flat window		522,72	711,62
UVMAX340-FW-15, 345 nm +/- 5/-8 nm, 10-15 mW, TO-3, flat window		457,22	622,45
UVMAX340-HL-15, 345 nm +/- 5/-8 nm, 10-15 mW, TO-3, hemispherical lens		522,72	711,62
UVMAX340-HL-15-TEC, 345 nm +/- 5/-8 nm, 10-15 mW, TO-3, hemispherical lens, TEC		588,23	800,80
UVMAX HIGH POWER DEEP UV LEDs 255 nm - 350 nm 30 ...50 mW		EUR	USD
 UVMAX DEEP UV-LED ARRAYS applicable for water/air purification 30 - 50 mW 255 nm - 350 nm		1-10 pcs.	1-10 pcs.
UVMAX250-FW-50, 255 nm +/- 5 nm, 30-50 mW, TO-3, flat window		8.186,45	11.144,78
UVMAX250-FW-50-TEC, 255 nm +/- 5 nm, 30-50 mW, TO-3 with TEC, flat window		8.448,46	11.501,48
UVMAX250-HL-50, 255 nm +/- 5 nm, 30-50 mW, TO-3, hemispherical lens		8.448,46	11.501,48
UVMAX250-HL-50-TEC, 255 nm +/- 5 nm, 30-50 mW, TO-3, hemispherical lens, TEC		8.841,49	12.036,54
UVMAX260-FW-50, 265 nm +/- 5 nm, 30-50 mW, TO-3, flat window		7.596,91	10.342,20
UVMAX260-FW-50-TEC, 265 nm +/- 5 nm, 30-50 mW, TO-3 with TEC, flat window		7.858,92	10.698,90
UVMAX260-HL-50, 265 nm +/- 5 nm, 30-50 mW, TO-3, hemispherical lens		7.858,92	10.698,90

UVMAX260-HL-50-TEC, 265 nm +/- 5 nm, 30-50 mW, TO-3, hemispherical lens, TEC	8.251,95	11.233,96
UVMAX270-FW-50, 275 nm +/- 5 nm, 30-50 mW, TO-3, flat window	6.941,86	9.450,44
UVMAX270-FW-50-TEC, 275 nm +/- 5 nm, 30-50 mW, TO-3 with TEC, flat window	7.203,88	9.807,15
UVMAX270-HL-50, 275 nm +/- 5 nm, 30-50 mW, TO-3, hemispherical lens	7.203,88	9.807,15
UVMAX270-HL-50-TEC, 275 nm +/- 5 nm, 30-50 mW, TO-3, hemispherical lens, TEC	7.465,90	10.163,85
UVMAX275-FW-50, 280 nm +/- 5 nm, 30-50 mW, TO-3, flat window	6.286,82	8.558,69
UVMAX275-FW-50-TEC, 280 nm +/- 5 nm, 30-50 mW, TO-3 with TEC, flat window	6.548,84	8.915,39
UVMAX275-HL-50, 280 nm +/- 5 nm, 30-50 mW, TO-3, hemispherical lens	6.548,84	8.915,39
UVMAX275-HL-50-TEC, 280 nm +/- 5 nm, 30-50 mW, TO-3, hemispherical lens, TEC	6.810,85	9.272,09
UVMAX285-FW-50, 290 nm +/- 5 nm, 30-50 mW, TO-3, flat window	5.238,75	7.131,88
UVMAX285-FW-50-TEC, 290 nm +/- 5 nm, 30-50 mW, TO-3 with TEC, flat window	5.631,78	7.666,93
UVMAX285-HL-50, 290 nm +/- 5 nm, 30-50 mW, TO-3, hemispherical lens	5.500,77	7.488,58
UVMAX285-HL-50-TEC, 290 nm +/- 5 nm, 30-50 mW, TO-3, hemispherical lens, TEC	5.893,79	8.023,63
UVMAX295-FW-50, 300 nm +/- 5 nm, 30-50 mW, TO-3, flat window	4.976,73	6.775,17
UVMAX295-FW-50-TEC, 300 nm +/- 5 nm, 30-50 mW, TO-3 with TEC, flat window	5.238,75	7.131,88
UVMAX295-HL-50, 300 nm +/- 5 nm, 30-50 mW, TO-3, hemispherical lens	5.238,75	7.131,88
UVMAX295-HL-50-TEC, 300 nm +/- 5 nm, 30-50 mW, TO-3, hemispherical lens, TEC	5.500,77	7.488,58
UVMAX305-FW-50, 310 nm +/- 5 nm, 30-50 mW, TO-3, flat window	4.714,72	6.418,47
UVMAX305-FW-50-TEC, 310 nm +/- 5 nm, 30-50 mW, TO-3 with TEC, flat window	4.976,73	6.775,17
UVMAX305-HL-50, 310 nm +/- 5 nm, 30-50 mW, TO-3, hemispherical lens	4.976,73	6.775,17
UVMAX305-HL-50-TEC, 310 nm +/- 5 nm, 30-50 mW, TO-3, hemispherical lens, TEC	5.238,75	7.131,88
UVMAX315-FW-50, 320 nm +/- 5 nm, 30-50 mW, TO-3, flat window	4.714,72	6.418,47
UVMAX315-FW-50-TEC, 320 nm +/- 5 nm, 30-50 mW, TO-3 with TEC, flat window	4.976,73	6.775,17
UVMAX315-HL-50, 320 nm +/- 5 nm, 30-50 mW, TO-3, hemispherical lens	4.976,73	6.775,17
UVMAX315-HL-50-TEC, 320 nm +/- 5 nm, 30-50 mW, TO-3, hemispherical lens, TEC	5.238,75	7.131,88
UVMAX320-FW-50, 330 nm +/- 10 nm, 30-50 mW, TO-3, flat window	4.059,67	5.526,72
UVMAX320-FW-50-TEC, 330 nm +/- 10 nm, 30-50 mW, TO-3 with TEC, flat window	4.583,71	6.240,12
UVMAX320-HL-50, 330 nm +/- 10 nm, 30-50 mW, TO-3, hemispherical lens	4.321,69	5.883,42
UVMAX320-HL-50-TEC, 330 nm +/- 10 nm, 30-50 mW, TO-3, hemispherical lens, TEC	4.845,72	6.596,82
UVMAX335-FW-50, 340 nm +/- 5 nm, 30-50 mW, TO-3, flat window	4.059,67	5.526,72
UVMAX335-FW-50-TEC, 340 nm +/- 5 nm, 30-50 mW, TO-3 with TEC, flat window	4.583,71	6.240,12
UVMAX335-HL-50, 340 nm +/- 5 nm, 30-50 mW, TO-3, hemispherical lens	4.321,69	5.883,42
UVMAX335-HL-50-TEC, 340 nm +/- 5 nm, 30-50 mW, TO-3, hemispherical lens, TEC	4.845,72	6.596,82
UVMAX340-FW-50, 345 nm +/- 5 nm, 30-50 mW, TO-3, flat window	2.356,56	3.208,15
UVMAX340-FW-50-TEC, 345 nm +/- 5 nm, 30-50 mW, TO-3 with TEC, flat window	2.618,58	3.564,85
UVMAX340-HL-50, 345 nm +/- 5 nm, 30-50 mW, TO-3, hemispherical lens	2.618,58	3.564,85
UVMAX340-HL-50-TEC, 345 nm +/- 5 nm, 30-50 mW, TO-3, hemispherical lens, TEC	2.880,59	3.921,55

LEDs - UV

UV-LEDs 340 nm - 395 nm



UV-LEDs
different packages: 3mm and 5 mm clear epoxy, TO
packages and SMD packages

EUR

USD

1-49 pcs.

1-49 pcs.

UVLED340-TF, 340 nm , 50 μ W at 20 mA, 90°, TO-18 with flat glass window	29,86	40,65
XSL-355-3E, 355 nm , 0.8-1.2 mW at 20 mA, 30°, 3 mm clear UV-resistant epoxy	11,24	15,30
XSL-355-5E, 355 nm , 0.8-1.2 mW at 20 mA, 15°, 5 mm clear UV-resistant epoxy	11,24	15,30
XSL-360-3E, 360 nm , 1.2-1.8 mW at 20 mA, 30°, 3 mm clear UV-resistant epoxy	9,20	12,52
XSL-360-5E, 360 nm , 1.2-1.8 mW at 20 mA, 15°, 5 mm clear UV-resistant epoxy	9,20	12,52
RLT360-1.5-30-3CC, 361 nm , 1.5 mW at 3x20 mA, 3 chips ~30°, 5 mm clear epoxy	14,40	19,60
RLT360-BL-TO18, 361 nm , 400-700 μ W at 20 mA, 10°, TO18 with glass ball lens	8,52	11,60
XSL-365-3E, 365 nm , 2.4-6.0 mW at 20 mA, 30°, 3 mm clear UV-resistant epoxy	6,95	9,46
XSL-365-5E, 365 nm , 2.4-6.0 mW at 20 mA, 15°, 5 mm UV resistant clear epoxy (silicone)	6,13	8,35
XSL-365-TB, 365 nm , 0.6-0.8 mW at 20 mA, 10°, TO-46 with glass ball lens	6,13	8,35
XSL-365-TF, 365 nm , 0.6-0.8 mW at 20 mA, 100°, TO-46 with flat glass window	6,13	8,35
UVLED365-10E, 365 nm , 2.0 mW at 20 mA, 10°, TO-46 with glass ball lens	3,51	4,78
RLT365-10, 365 nm , 1.2 mW at 20 mA, 10°, aluminium housing with UV cut off-filter	48,20	65,62
RLT365-10E, 365 nm , 1.7 mW at 20 mA, 10°, aluminium housing with UV cut off-filter	50,20	68,34
XSL-370-3E, 370 nm , 4.0-6.0 mW at 20 mA, 30°, 3 mm clear UV-resistant epoxy	5,32	7,24
XSL-370-5E, 370 nm , 4.0-6.0 mW at 20 mA, 15°, 5 mm clear UV-resistant epoxy	4,50	6,13
VL370-5-15, 370 nm , 2.0-4.0 mW at 20 mA, 15°, 5 mm clear epoxy	3,14	4,27
VL370-TH-45, 370 nm , 1.4-2.0 mW at 20 mA, 45°, 5 mm clear epoxy	3,14	4,27

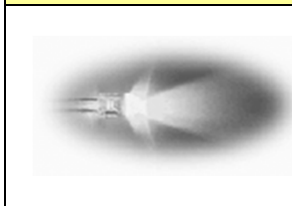
RLT370-TO-18, 370 nm , 400 uW at 20 mA, 15°, TO18 with glass ball lens	6,06	8,25
RLS-UV370, 370 nm , 500 uW at 20 mA, 15°, TO18 with cap lens	4,75	6,47
RLS-UV370E, 370 nm , 1 mW at 20 mA, 30°, 5 mm clear epoxy	5,75	7,83
XSL-370-TB-4, 370 nm , 0.8-1.2 mW at 20 mA, 10°, TO-46 with glass ball lens	4,50	6,13
XSL-370-TB-5, 370 nm , 1.2-1.8 mW at 20 mA, 10°, TO-46 with glass ball lens	4,50	6,13
XSL-370-TF-5, 370 nm , 1.2-1.8 mW at 20 mA, 100°, TO-46 with flat glass window	5,52	7,51
RLT370-10E, 370 nm , 4.7 mW at 20 mA, 10°, aluminium housing with UV cut off-filter	50,20	68,34
RLT370-110, 370 nm , 2.0 mW at 20 mA, 110° aluminium housing with UV cut off-filter	45,45	61,87
UVLED370-10E, 370 nm , 4.7 mW at 20 mA, 10°, TO-46 with glass ball lens	3,51	4,78
UVLED370-110E, 370 nm , 5.5 mW at 20 mA, 110°, TO-46 with flat glass window	3,51	4,78
XRL-375-5E, 375 nm , 19.0-26.0 mW at 20 mA, 40°, 5 mm clear UV-resistant epoxy	16,36	22,27
XSL-375-TB-4, 375 nm , 0.8-1.2 mW at 20 mA, 10°, TO-46 with glass ball lens	4,91	6,68
XSL-375-TB-5, 375 nm , 1.2-1.8 mW at 20 mA, 10°, TO-46 with glass ball lens	4,91	6,68
XSL-375-TB-6, 375 nm , 1.8-2.4 mW at 20 mA, 10°, TO-46 with glass ball lens	4,91	6,68
XSL-375-TF, 375 nm , 2.4-3.0 mW at 20 mA, 100°, TO-46 with flat window	4,91	6,68
LED375-04, 375 nm , 2.5 mW at 20 mA, +/-20°, 5 mm clear UV-resistant epoxy	9,72	13,23
LED375-06, 375 nm , 2.5 mW at 20 mA, +/-4°, 5 mm clear UV-resistant epoxy	9,72	13,23
LED375-33, 375 nm , 2.5 mW at 20 mA, +/-13°, 3 mm clear UV-resistant epoxy	9,72	13,23
XSL-375-3E, 375 nm , 8.4-14.0 mW at 20 mA, 30°, 3 mm clear UV-resistant epoxy	4,91	6,68
XSL-375-5E, 375 nm , 6.0 mW at 20 mA, 15°, 5 mm clear UV-resistant mold	2,52	3,43
XSL-375-5E-R4, 375 nm , 11 mW at 20 mA, 15°, 5 mm clear UV-resistant mold	4,09	5,57
UVLED375-10-30, 375 nm , 15 mW at 15 mA, +/-15°, 5 mm clear UV-resistant mold	2,90	3,95
VL380-5-15, 380 nm , 4.0-7.0 mW at 20 mA, 15°, 5 mm clear epoxy	1,96	2,67
RLS-UV380, 380 nm , 9.0-15.0 mW at 20 mA, 30°, 5 mm clear epoxy	1,40	1,91
RLS-UV385, 385 nm , 2 mW at 20 mA, 30°, 5 mm clear epoxy	0,97	1,32
LED385-04, 385 nm , 11 mW at 20 mA, +/-20°, 5 mm clear UV-resistant epoxy	7,24	9,86
LED385-33, 385 nm , 11 mW at 20 mA, +/-13°, 3 mm clear UV-resistant epoxy	7,24	9,86
385D30, 385 nm , FWHM = 15 nm, 30°, 3-5 mW, 5 mm clear epoxy	5,05	6,87
E1L5M-4POA2-01, 385 nm , TO-46 ball lens, 16°, 1.5-2.3 mW at 20 mA	7,78	10,59
VL390-5-15, 390 nm , 8.1-11.5 mW at 20 mA, 15°, 5 mm clear epoxy	1,33	1,81
HUUV-5102L, 393 nm , FWHM=13 nm, 20°, 2 mW, 5 mm clear epoxy	5,05	6,87
RLU395-8-30, 395 nm , 8 mW at 20 mA, 30°, 5 mm clear epoxy	2,20	3,00
RLS-UV395, 395 nm , 7 mW at 20 mA, 30°, 5 mm clear epoxy,	0,68	0,93
B3B-447-CVD, 395 nm , 15 mcd at 20 mA, 30°, 3 mm clear epoxy	1,95	2,65
LED395-33V, 395 nm , 11 mW at 20 mA, +/-13°, 3 mm clear UV-resistant epoxy	7,24	9,86
LED395-01V, 395 nm , 11 mW at 20 mA, +/-8°, 5 mm clear UV-resistant epoxy	7,24	9,86
LED395-02V, 395 nm , 11 mW at 20 mA, +/-5°, 5 mm clear UV-resistant epoxy	7,42	10,10
LED395-03V, 395 nm , 11 mW at 20 mA, +/-10°, 5 mm clear UV-resistant epoxy	7,24	9,86

LEDS - WHITE

WHITE LEDs based on GaN

EUR

USD

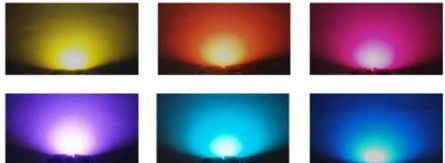
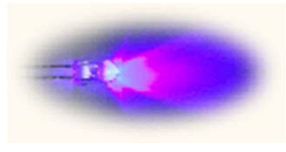


white LEDs, diverse packages
Technology: blue GaN LED with YAG conversion
5mm and 3mm clear epoxy package

1-49 pcs.

1-49 pcs.

DDW-UJ2-TU1-1, white , 500 mcd at 20 mA, 3.2 x 2.8 mm ² , 120°, SMD	1,20	1,63
B3B-440-JB, white , 3.5 cd at 20 mA, 20°, 3 mm clear epoxy	0,90	1,23
B5-430-JD, white , 3.5 cd at 20 mA, 30°, 5 mm clear epoxy	1,10	1,50
HUWH-5101L, white , 3.7 cd at 20 mA, 5 mm clear epoxy	1,60	2,18
HUWH-3101L, white , 3.7 cd at 20 mA, 3 mm clear epoxy	1,60	2,18
5W4HCA-P, white , 4.0-4.5 cd at 20 mA, 20°, 5 mm clear epoxy	1,10	1,50
B5-43SUN-JD, warm white , (sunbeam) 4.5 cd at 20 mA, 30°, 5 mm clear epoxy	1,10	1,50
B5-43SUN-JB, warm white , (sunbeam) 6.0 cd at 20 mA, 20°, 5 mm clear epoxy	1,10	1,50
B5B-430-JB, white , 6.5 cd at 20 mA, 8°, 5 mm clear epoxy	1,10	1,50
5W4HCA-H, white , 7.0-8.0 cd at 20 mA, 20°, 5 mm clear epoxy	1,62	2,21
5W4HCA-U, white , 13.0-15.0 cd at 20 mA, 20°, 5 mm clear epoxy	1,92	2,61
RLS-5W-180-S, white , 18.0 cd at 20 mA, 15°, 5 mm clear epoxy	2,04	2,78
5W4HCA-H20-16, white , 18-26 cd at 20 mA, 15 mil chip, 20°, 5 mm clear epoxy	2,34	3,19
5W4HCA-H30-16, white , 12-17 cd at 20 mA, 15 mil chip, 30°, 5 mm clear epoxy	2,34	3,19
RLS-5W-200-S, white , 20.0 cd at 20 mA, 15°, 5 mm clear epoxy	2,34	3,19
5W4HCA-H20, white , 20-25 cd at 20 mA, 15 mil chip, 20°, 5 mm clear epoxy	2,44	3,32
5W4HCA-H20-ULTRA, white , 27-33 cd at 30 mA, 15 mil chip, 20°, 5 mm clear epoxy	3,60	4,90

PW5111A-Z3, white , 30-36 cd at 20 mA, 15°, x/y = 0.31/0.30, 5 mm clear epoxy	3,70	5,04
W57L5111P, white , 45-60 cd at 50 mA, 15°, 5mm clear epoxy	3,80	5,17
W54L5111P, white , 75 cd at 50 mA, 15°, 5mm clear epoxy	3,80	5,17
M57L5111P, warm white , 30-35 cd at 50 mA, 15°, 5mm clear epoxy	3,80	5,17
WHITE LEDs based on ZnSe	EUR	USD
 white LEDs, diverse packages Technology: ZnSe LED emits with light with two peaks: 484 nm and 605 nm, blue + yellow = white SMD package	1-49 pcs.	1-49 pcs.
RLZS-2012, white , 200-300mcd at 20mA, Uf=2.65V, 150°, 2012 SMD	1,49	2,03
RGB LEDs	EUR	USD
B5-4RGB-CBA, RGB , 625/525/470nm, 20°, comm. +, 5 mm clear epoxy	1,86	2,53
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 mm³, 75 g, battery included	9,90	13,48
LEDS - SPECIAL COLOR		
400 nm - 435 nm	EUR	USD
 5mm clear epoxy type LEDs based on blue LED with phosphor coating	1-49 pcs.	1-49 pcs.
K64L5111A, orchid , 8.4 cd at 20 mA, 15°, 5mm clear epoxy	2,98	4,06
K7DL5111A, purple , 8.4 cd at 20 mA, 15°, 5mm clear epoxy	2,98	4,06
B64L5111A, ice blue , 20 cd at 20 mA, 15°, 5mm clear epoxy	2,98	4,06
C24L5111A, sky blue , 4.5 lm at 20 mA, 15°, 5mm clear epoxy	2,98	4,06
C34L5111A, cyan , 6.7 lm at 20 mA, 15°, 5mm clear epoxy	2,98	4,06
CM4L5111A, yolk , 8.2 lm at 20 mA, 15°, 5mm clear epoxy	2,98	4,06
CG4L5111A, orange peach , 4.4 lm at 20 mA, 15°, 5mm clear epoxy	2,98	4,06
CA4L5111A, magenta , 3.8 lm at 20 mA, 15°, 5mm clear epoxy	2,98	4,06
LEDS - VIOLET		
400 nm - 435 nm	EUR	USD
 blue violet LEDs packages: 3mm and 5 mm clear epoxy, TO packages	1-49 pcs.	1-49 pcs.
RLS-UV400, 400 nm , 4.0-5.0 mW at 20 mA, 30°, 5 mm clear epoxy	0,30	0,41
VL400-5-15, 400 nm , 8.1-11.5 mW at 20 mA, 15°, 5 mm clear epoxy	1,33	1,81
XRL-400-5O, 400 nm , 21-29 mW at 25 mA, 15°, 5 mm clear epoxy	8,18	11,14
XRL-400-5E, 400 nm , 21-29 mW at 25 mA, 40°, 5 mm clear epoxy	8,18	11,14
5P4FCA, 405 nm , 3-4 mW at 20 mA, 20°, 5 mm clear epoxy	1,62	2,21
LED405-02V, 405 nm , 15 mW at 20 mA, +/-5°, 5 mm clear UV-resistant epoxy	7,24	9,86
LED405-03V, 405 nm , 15 mW at 20 mA, +/-10°, 5 mm clear UV-resistant epoxy	7,24	9,86
LED405-05V, 405 nm , 15 mW at 20 mA, +/-50°, 5 mm clear UV-resistant epoxy	7,24	9,86
LED405-06V, 405 nm , 15 mW / 140 mcd at 20 mA, +/-4°, 5 mm clear UV-resistant epoxy	7,24	9,86
LED405-33V, 405 nm , 15 mW at 20 mA, +/-13°, 3 mm clear UV-resistant epoxy	7,24	9,86
LED405-30M32, 405 nm , 3 mW at 20 mA, +/-15°, TO-18 lenscap	10,78	14,68
B5B-437-CV, 405 nm , FWHM=10 nm, +/-8°, 5-7 mW, 5 mm clear epoxy	2,55	3,47
B5-437-CV, 405 nm , FWHM=10 nm, +/-8°, 5-7 mW, 5 mm clear epoxy	2,55	3,47
RLU405-9-30, 405 nm , 9 mW at 20 mA, +/-30°, 5 mm clear epoxy	2,55	3,47

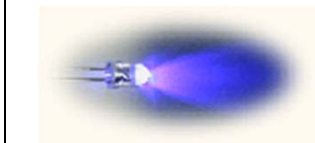
LC503MUV1-30Q, 405 nm , FWHM=12 nm, 5-6 mW, 30°, 5 mm clear epoxy	5,05	6,87
VL410-5-15, 410 nm , 10.0-16.0 mW at 20 mA, 15°, 5 mm clear epoxy	1,89	2,57
ELD-410-533, 410 nm , 4-8 mW at 20 mA, 25°, 5 mm clear epoxy	3,30	4,49
RLS-410-3-25, 410 nm , 3 mW at 20 mA, 25°, 5 mm clear epoxy	2,30	3,13
VL415-5-15, 415 nm , 11.5-16.3 mW at 20 mA, 15°, 5 mm clear epoxy	1,89	2,57
VL415-3-20, 415 nm , 11.5-16.3 mW at 20 mA, 20°, 3 mm clear epoxy	1,99	2,71
LED420-01, 420 nm , 60 mW/sr, 15 mW at 20 mA, +/-8°, 5 mm clear UV-resistant epoxy	6,18	8,41
LED420-33, 420 nm , 18 mW/sr, 15 mW at 20 mA, +/-13°, 3 mm clear UV-resistant epoxy	6,18	8,41
LED425-6-30, 425 nm , 6-8 mW at 20 mA, +/-15°, 5 mm epoxy	3,23	4,40
VL425-5-15, 425 nm , 10-16 mW at 20 mA, 15°, 5 mm clear epoxy	2,78	3,78
VL425-3-20, 425 nm , 10-16 mW at 20 mA, 20°, 3 mm clear epoxy	2,88	3,92
LED430-06, 430 nm , 2 cd, 22 mW at 20 mA, +/-5°, 5 mm clear UV-resistant epoxy	6,45	8,78
LED430-05U, 430 nm , 10 mcd, 0.3 mW at 20 mA, +/-40°, 5 mm epoxy ► PHASE OUT	6,45	8,78
LED430-33, 430 nm , 0.3 cd, 4.5 mW at 20 mA, +/-15°, 3 mm epoxy	6,18	8,41
LED435-6-30, 435 nm , 5-7 mW at 20 mA, +/-15°, 5mm epoxy	2,33	3,17
LED435-12-30, 435 nm , 12-14 mW at 20 mA, +/-15°, 5mm epoxy	3,23	4,40
LED435-03, 435 nm , 4.5 mW at 20 mA, +/-12°, 5 mm epoxy	6,18	8,41
LED435-30M32, 435 nm , 2.2 mW at 20 mA, +/-10°, TO-18 lenscap	10,78	14,68
LED440-6-30, 440 nm , 6 mW at 20 mA, +/-15°, 5mm epoxy	3,23	4,40

LEDS - BLUE

450 nm - 477 nm

EUR

USD



blue LEDs
packages: 3mm and 5 mm clear epoxy

1-49 pcs.

1-49 pcs.

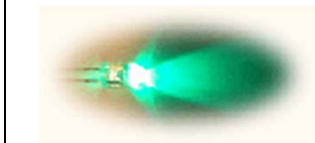
LED450-01, 450 nm , 20 mW 3.5 cd at 20 mA, +/-10°, 5 mm clear epoxy	3,36	4,57
LED450-03, 450 nm , 20 mW 3.5 cd at 20 mA, +/-10°, 5 mm clear epoxy	3,36	4,57
LED450-04, 450 nm , 20 mW 1.0 cd at 20 mA, +/-20°, 5 mm clear epoxy	3,36	4,57
LED450-06, 450 nm , 20 mW 4.5 cd at 20 mA, +/-4°, 5 mm clear epoxy	3,53	4,81
LED450-33, 450 nm , 20 mW 1.2 cd at 20 mA, +/-13°, 3 mm clear epoxy	3,36	4,57
RLS-B465, 465 nm , 9cd at 20mA +/-15° 5mm clear epoxy	1,20	1,63
B5B-437-IX, 470 nm , 3.8 cd at 20 mA, 8°, 5 mm clear epoxy	1,20	1,63
B3B-447-IX, 470 nm , 2 cd at 20 mA, 15°, 3 mm clear epoxy	1,20	1,63
B56L5111P, 475 nm , 20-30 cd at 50 mA, 15°, 5mm clear epoxy	1,33	1,81
RLS-5B475-S, 477 nm , 3.0-4.0 cd at 20 mA, 15°, 5 mm clear epoxy	1,25	1,70

LEDS - GREEN

490 nm - 545 nm

EUR

USD



blue-green LEDs
packages: 3mm and 5 mm clear epoxy

1-49 pcs.

1-49 pcs.

LED490-02, 490 nm , 18 cd, 12 mW at 20 mA, 10°, 5 mm epoxy	4,15	5,65
LED490-03, 490 nm , 15 cd, 12 mW at 20 mA, 24°, 5 mm clear epoxy	4,15	5,65
LED490-06, 490 nm , 24 cd, 12 mW at 20 mA, 20°, 5 mm epoxy	4,33	5,89
LED490-33, 490 nm , 8 cd, 12 mW at 20 mA, 28°, 3 mm epoxy	4,15	5,65
LED500-10-30, 500 nm , 10 mW at 20 mA, +/-15°, 5 mm clear epoxy	4,62	6,29
B3B-443-B505, 505 nm , 4 cd at 20 mA, 15°, 3 mm clear epoxy	1,05	1,43
B5-433-B505, 505 nm , 7.0 cd at 20 mA, 5 mm, 15°, clear epoxy	1,05	1,43
B5B-433-B505, 505 nm , 8.0 cd at 20 mA, 5 mm, 8°, clear epoxy	1,05	1,43
LED515-10-30, 515 nm , 10 mW at 20 mA, +/-15°, 5 mm clear epoxy	4,62	6,29
G48A5111P, 515 nm , 100 cd at 50 mA, 15°, 5mm clear epoxy	3,98	5,42
B3B-443-B525, 525 nm , 5.5 cd at 20 mA, 15°, 3 mm clear epoxy	1,05	1,43
B5-433-B525, 525 nm , 7.0 - 10.0 cd at 20 mA, 5 mm, 15°, clear epoxy	1,15	1,57
B5B-433-B525, 525 nm , 11.0 cd at 20 mA, 5 mm, 8°, clear epoxy	1,05	1,43
LED525-01, 525 nm , 20 cd, 7 mW at 20 mA, +/-9°, 5 mm clear epoxy	4,15	5,65
G58A5111P, 525 nm , 80-100 cd at 50 mA, 15°, 5 mm clear epoxy	2,25	3,06
LED535-01, 535 nm , 9.5 cd, 4 mW at 20 mA, +/-8°, 5 mm clear epoxy	4,15	5,65

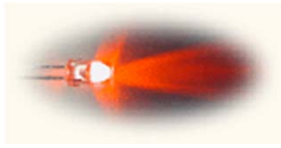
LED535-33, 535 nm , 4.8 cd, 4 mW at 20 mA, +/-13°, 3 mm clear epoxy	4,15	5,65
LED545-01, 545 nm , 7 cd, 2 mW at 20 mA, +/-8°, 5 mm clear epoxy	8,48	11,54
LED545-03, 545 nm , 7 cd, 2 mW at 20 mA, +/-9°, 5 mm clear epoxy	8,48	11,54
LED545-04, 545 nm , 2.2 cd, 2 mW at 20 mA, +/-15.5°, 5 mm clear epoxy	8,48	11,54
LED545-06, 545 nm , 12.3 cd, 2 mW at 20 mA, +/-3°, 5 mm clear epoxy	8,48	11,54
LED545-33, 545 nm , 10 cd, 8 mW at 20 mA, +/-13°, 3 mm clear epoxy	8,48	11,54

LEDS - YELLOW

565 nm - 590 nm

EUR

USD



yellow-orange LEDs
packages: 3mm and 5 mm clear epoxy

1-49 pcs.

1-49 pcs.

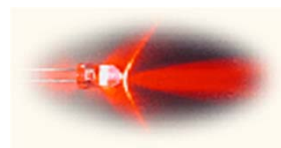
B5B-433-014, 565 nm , 0.8 cd at 20 mA, 8°, 5 mm clear epoxy	1,06	1,44
LED565-33U, 565 nm , 0.2 cd at 20 mA, +/-15°, 3 mm clear epoxy	0,71	0,97
LED565-03U, 565 nm , 0.4 cd at 20 mA, +/-15°, 5 mm clear epoxy	0,71	0,97
G7NU5111A, 566 nm , 1.1 cd at 20 mA, 15°, 5mm clear epoxy	1,49	2,03
LED570-33V, 570 nm , 0.6 cd at 20 mA, +/-15°, 3 mm clear epoxy	1,31	1,78
LED570-03, 570 nm , 1.3 cd, 0.6 mW at 20 mA, +/-12°, 5 mm clear epoxy	1,31	1,78
G8HD3131E, 570 nm , 2.18 cd at 40 mA, 2 chips , 30°, 3 mm clear epoxy	1,06	1,44
B5B-433-20, 572 nm , 3.0 cd at 20 mA, 8°, 5 mm clear epoxy	1,06	1,44
B5-433-20, 572 nm , 2.5 cd at 20 mA, 15°, 5 mm clear epoxy	1,06	1,44
B5-433-20D, 572 nm , 1.7 cd at 20 mA, 30°, 5 mm clear epoxy	1,06	1,44
B5B-434-TY, 588 nm , 10.0 cd at 20 mA, 8°, 5 mm clear epoxy	1,06	1,44
CY5111A-WY, 590 nm , 22 cd (max 25 cd) at 20 mA, 15°, 5 mm clear epoxy	1,24	1,69
Y5CA5111P, 590 nm , 40-55 cd at 70 mA, 15°, 5mm clear epoxy	1,57	2,14
5Y3BCA-H, 590 nm , 4.0-4.5 cd at 20 mA, 20°, 5 mm clear epoxy	1,06	1,44
LED590-33W, 590 nm , 2.0 cd, 2.0 mW at 20 mA, +/-18°, 3 mm epoxy	1,17	1,59
LED590-03, 590 nm , 8 cd, 4 mW at 20 mA, +/-12°, 5 mm clear epoxy	1,17	1,59

LEDS - ORANGE

600 nm - 625 nm

EUR

USD



yellow-orange LEDs
packages: 3mm and 5 mm clear epoxy

1-49 pcs.

1-49 pcs.

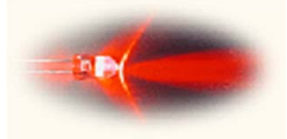
LED600-03, 600 nm , 6.5 cd, 5 mW at 20mA, 22°, 5 mm clear epoxy	1,17	1,59
B3B-445-30S, 605 nm , 2.0 cd at 20 mA, 20°, 3 mm clear epoxy	1,06	1,44
B5-435-30S, 605 nm , 4.0 cd at 20 mA, 15°, 5 mm clear epoxy	1,06	1,44
B5B-435-30S, 605 nm , 5.0 cd at 20 mA, 8°, 5 mm clear epoxy	1,06	1,44
O5CA5111P, 605 nm , 40-55 cd at 70 mA, 15°, 5mm clear epoxy	1,82	2,48
LED610-03, 610 nm , 7.5 cd, 8 mW at 20mA, 26°, 5 mm clear epoxy	1,17	1,59
B3B-445-30, 615 nm , 2.0 cd at 20 mA, 20°, 3 mm clear epoxy	1,06	1,44
B5-435-30, 615 nm , 4.0 cd at 20 mA, 15°, 5 mm clear epoxy	1,06	1,44
B5B-435-30, 615 nm , 5.0 cd at 20 mA, 8°, 5 mm clear epoxy	1,06	1,44
OPE5T62UO, 624 nm , 7 - 8 cd at 20 mA, 8°, red traffic sign, 5 mm	1,70	2,31
B3B-445-TL, 625 nm , 7 cd at 20 mA, 15°, 3 mm clear epoxy	1,06	1,44
B5-435-TL, 625 nm , 10 cd at 20 mA, 15°, 5 mm clear epoxy	1,06	1,44
B5B-435-TL, 625 nm , 12 cd at 20 mA, 8°, 5 mm clear epoxy	1,06	1,44
LED625-03, 625 nm , 14.1 cd, 22 mW at 50 mA, +/-13°, 5 mm clear epoxy	1,17	1,59
CR5111A-WY, 625 nm , 22 cd (max 25 cd) at 20 mA, 15°, 5 mm clear epoxy	1,24	1,69
R5CA5111P, 625 nm , 40-55 cd at 70 mA, 15°, 5mm clear epoxy	1,57	2,14
5RAA5111P, 625 nm , 60-75 cd at 60 mA, 15°, 5mm clear epoxy	1,68	2,29

LEDS - RED

650 nm - 710 nm

EUR

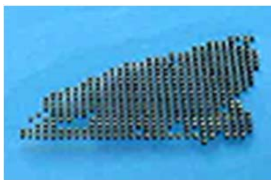
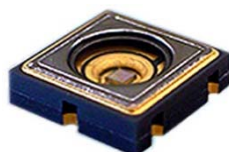
USD

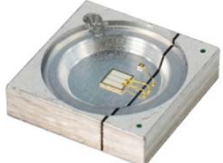
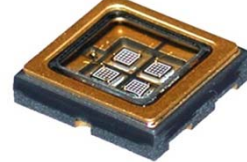
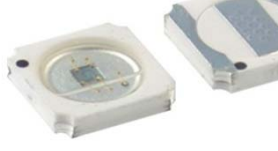
 yellow-orange LEDs packages: 3mm and 5 mm clear epoxy		
	1-49 pcs.	1-49 pcs.
ELD-650-523, 650 nm , 1 cd at 20 mA, 20°, 5 mm clear epoxy	3,30	4,49
RLS-655-3-25, 655 nm , 3 mW at 20 mA, 25°, 5 mm clear epoxy	2,30	3,13
B3B-446-30, 660 nm , 1.3 cd at 20 mA, 20°, 3 mm clear epoxy	1,06	1,44
B5B-436-30, 660 nm , 3.5 cd at 20 mA, 8°, 5 mm clear epoxy	1,06	1,44
B5-436-30D, 660 nm , 1.3 cd at 20 mA, 30°, 5 mm clear epoxy	1,06	1,44
LED660N-03, 660 nm , 2.4 cd, 15 mW at 20 mA, +/-12°, 5 mm clear epoxy	0,88	1,20
ELD-670-524, 670 nm , 3.5 mW at 20 mA, 20°, 5 mm clear epoxy	3,60	4,91
LED680-4-30, 680 nm , 4-5 mW at 20 mA, +/-15°, 5 mm clear epoxy	3,40	4,63
LED680-02AU, 680 nm , 25 mW/sr, 4 mW at 20 mA, +/- 7°, 5 mm clear epoxy	3,98	5,42
LED680-33AU, 680 nm , 10 mW/sr, 4 mW at 20 mA, +/-18°, 3 mm clear epoxy	3,80	5,17
ELD-680-524, 680 nm , 3.5 mW at 20 mA, 20°, 5 mm clear epoxy	4,75	6,47
LED690-03AU, 690 nm , 25 mW/sr, 4 mW at 20 mA, +/-15°, 5 mm clear epoxy	3,80	5,17
LED690-33AU, 690 nm , 10 mW/sr, 4 mW at 20 mA, +/-18°, 3 mm clear epoxy	3,80	5,17
ELD-700-524, 700 nm , 10 mW at 50 mA, 20°, 5 mm clear epoxy	3,60	4,91
LED700-02AU, 700 nm , 90 mW/sr, 13 mW at 50 mA, +/- 7°, 5 mm clear epoxy	3,98	5,42
LED700-04AU, 700 nm , 30 mW/sr, 13 mW at 50 mA, +/- 20°, 5 mm clear epoxy	3,98	5,42
LED700-33AU, 700 nm , 30 mW/sr, 13 mW at 50 mA, +/-18°, 3 mm clear epoxy	3,80	5,17
LED710-01AU, 710 nm , 60 mW/sr, 13 mW at 50 mA, +/-10°, 5 mm clear epoxy	3,80	5,17
LED710-40AU, 710 nm , 30 mW/sr, 13 mW at 50 mA, +/-20°, 5 mm clear epoxy	3,80	5,17
LED710-33AU, 710 nm , 30 mW/sr, 13 mW at 50 mA, +/-18°, 3 mm clear epoxy	3,80	5,17
LEDS - IR 720 - 1720 nm		
720 nm - 780 nm	EUR	USD
 IR-LEDs diverse packages 720 nm up to 4600 nm		
	1-49 pcs.	1-49 pcs.
ELD-720-524, 720 nm , 7 mW at 20 mA, 20°, 5 mm clear epoxy	3,43	4,67
LED735-01AU, 735 nm , 18 mW at 50 mA, +/- 10°, 5 mm clear epoxy	3,18	4,33
ELD-740-354, 740 nm , 19 mW at 50 mA, 50°, 3 mm clear epoxy	3,43	4,67
ELD-740-524, 740 nm , 14 mW at 50 mA, 20°, 5 mm clear epoxy	3,43	4,67
LED740-01AU, 740 nm , 18 mW at 50 mA, 20°, 5 mm clear epoxy	3,18	4,33
LED740-03AU, 740 nm , 18 mW at 50 mA, 30°, 5 mm clear epoxy	3,18	4,33
LED750-03AU, 750 nm , 19 mW at 50 mA, 30°, 5 mm clear epoxy	3,18	4,33
LED760-6-30, 760 nm , 6-7 mW at 20 mA, +/- 15°, 5 mm clear epoxy	3,30	4,49
LED760-03AU, 760 nm , 19 mW at 50 mA, +/-10°, 5 mm clear epoxy	3,18	4,33
LED760-06AU, 760 nm , 19 mW at 50 mA, +/- 7°, 5 mm clear epoxy	3,36	4,57
LED760-40K42, 760 nm , 10 mW at 50 mA, 12°, TO-18, ball lens	11,45	15,59
LED760-40M32, 760 nm , 10 mW at 50 mA, 20°, TO-18, ball lens	9,12	12,42
LED770-6-30, 770 nm , 6-7 mW at 20 mA, +/- 15°, 5 mm clear epoxy	3,30	4,49
LED770-03AU, 770 nm , 18 mW at 50 mA, +/- 15°, 5 mm clear epoxy	3,18	4,33
ELD-770-324, 770 nm , 15 mW at 50 mA, 20°, 3 mm clear epoxy	3,43	4,67
ELD-770-524, 770 nm , 20 mW at 50 mA, 20°, 5 mm clear epoxy	3,43	4,67
LED780-01AU, 780 nm , 18 mW at 50 mA, 20°, 5 mm clear epoxy	3,18	4,33
LED780-03AU, 780 nm , 18 mW at 50 mA, 30°, 5 mm clear epoxy	3,18	4,33
LED780-33AU, 780 nm , 18 mW at 50 mA, 30°, 3 mm clear epoxy	3,18	4,33
ELD-780-524, 780 nm , 16 mW at 50 mA, 18°, 40 ns, 5 mm clear epoxy	3,43	4,67
ELD-780-525, 780 nm , 45 mW at 100 mA, 20°, 20 ns, 5 mm clear epoxy	3,43	4,67
800 nm - 890 nm	EUR	USD
LED800-01AU, 800 nm , 22 mW at 50 mA, +/- 10°, 5 mm clear epoxy	3,00	4,08
ELD-810-525, 810 nm , 45 mW at 100 mA, 20°, 5 mm clear epoxy	3,43	4,67
ELD-810-335, 810 nm , 18 mW at 50 mA, 40°, 3 mm clear epoxy	3,43	4,67
ELD-810-345, 810 nm , 18 mW at 50 mA, 30°, 3 mm clear epoxy	3,43	4,67
LED810-03AU, 810 nm , 18 mW at 50 mA, +/-15°, 5 mm clear epoxy	3,18	4,33
LED820-01AU, 820 nm , 18 mW at 50 mA, +/- 10°, 5 mm clear epoxy	2,54	3,46

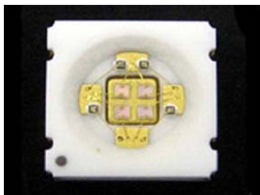
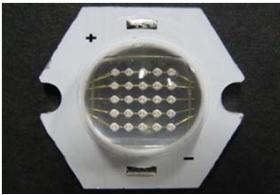
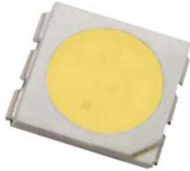
LED830-03AU, 830 nm , 20 mW at 50 mA, +/- 15°, 5 mm clear epoxy	2,54	3,46
LED830-06AU, 830 nm , 20 mW at 50 mA, +/- 6°, 5 mm clear epoxy	2,74	3,73
LED840-04AU, 840 nm , 20 mW at 50 mA, +/- 20°, 5 mm clear epoxy	2,54	3,46
ELD-840-515, 840 nm , 15 mW at 100 mA, 11°, 5 mm clear epoxy	3,43	4,67
B5B-850-8, 850 nm , 34 mW at 100 mA, +/- 8°, 5 mm clear epoxy	1,82	2,48
I3NA5111A, 850 nm , 60mW/sr at 100 mA, 15°, 5mm clear epoxy	1,52	2,07
LED850-02UP, 850 nm , 26 mW at 50 mA, +/- 4°, 5 mm clear epoxy	2,30	3,13
LED850-03UP, 850 nm , 26 mW at 50 mA, +/- 13°, 5 mm clear epoxy	2,12	2,89
LED850-04UP, 850 nm , 26 mW at 50 mA, +/- 18°, 5 mm clear epoxy	2,12	2,89
LED850-05UP, 850 nm , 26 mW at 50 mA, +/- 40°, 5 mm clear epoxy	2,30	3,13
LED870-01UP, 870 nm , 24 mW at 50 mA, 20°, 5 mm clear epoxy	2,12	2,89
LED870F-03U, 870 nm , 22 mW at 50 mA, 30°, 5 mm, tr/ff 15/10ns	2,54	3,46
ELD-870f-515-2, 870 nm , 16 mW at 100 mA, Tr,Tf: 5 ns, 8°, 5 mm	5,25	7,15
ELD-880-525, 880 nm , 45 mW at 100 mA, 20°, 5 mm clear epoxy	3,43	4,67
RLS-IR880, 880 nm , 10mW/sr at 20mA +/-20° 5mm clear epoxy	3,43	4,67
LED890-03AU, 890 nm , 15 mW at 50 mA, +/- 15°, tr/ff 800/400 ns, 5 mm clear epoxy	1,94	2,64
900 nm - 970 nm	EUR	USD
B5B-900-8, 900 nm , 48 mW at 50 mA, +/-8°, 5 mm clear epoxy	2,72	3,70
ELD-905-545, 905 nm , 38 mW at 100 mA, +/-20°, 5 mm clear epoxy	3,43	4,67
LED905-35-22, 905 nm , 35 mW at 100 mA, +/-22.5°, 5 mm clear epoxy, tr,tf=10ns	3,43	4,67
LED910-01, 910 nm , 12 mW at 50 mA, +/-10°, 5 mm clear epoxy	2,12	2,89
LED910-02, 910 nm , 12 mW at 50 mA, +/-7°, 5 mm clear epoxy	2,16	2,94
ELD-910-525, 910 nm , 28 mW at 100 mA, 20°, 5 mm clear epoxy	3,43	4,67
ELD-935-525, 935 nm , 30 mW at 100 mA, 500 ns, 20°, 5 mm clear epoxy	3,63	4,94
I5LA5113A, 940 nm , 35 mW/sr at 100 mA, 15°, 5mm clear epoxy	0,89	1,21
B5B-940-8, 940 nm , 20 mW at 100 mA, +/-8°, 5 mm clear epoxy	0,99	1,35
LED940-06V, 940 nm , 18.0 mW, 150 mW/sr at 50 mA, +/-7°, 5 mm clear epoxy	1,80	2,45
LED940-40K42, 940 nm , 18.0 mW, TO-46, cap lens	4,85	6,60
OPE5594S, 940 nm , 16 mW at 100 mA, 10°, 5 mm clear epoxy	1,62	2,20
ELD-960-545, 960 nm , 20 mW at 100 mA, 40°, 5 mm clear epoxy	3,43	4,67
LED970-01, 970 nm , 25 mW/sr, 5.5 mW at 50 mA, 20°, 5 mm clear epoxy	1,94	2,64
LED970-02, 970 nm , 25 mW/sr, 5.5 mW at 50 mA, 14°, 5 mm clear epoxy	1,94	2,64
LED970-06, 970 nm , 25 mW/sr, 5.5 mW at 50 mA, 14°, 5 mm clear epoxy	1,84	2,50
LED970-33, 970 nm , 7 mW/sr, 5.5 mW at 50 mA, +/-18°, 3 mm clear epoxy	2,33	3,17
LED980-02, 985 nm , 4 mW at 50 mA, 14°, 5 mm clear epoxy	2,33	3,17
LED980-03, 985 nm , 10 mW/sr at 50 mA, 22°, 5 mm clear epoxy	2,21	3,01
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	11,15
LED1050-01, 1050 nm , 2 mW at 50 mA, tr,tf=10ns, 5 mm clear epoxy	12,02	16,36
LED1050-03, 1050 nm , 14 mW/sr, 2 mW at 50 mA, tr,tf=10ns, 20°, 5 mm clear epoxy	12,02	16,36
LED1050-06, 1050 nm , 30 mW/sr, 2 mW at 50 mA, tr,tf=10ns, 8°, 5 mm clear epoxy	12,02	16,36
LED1050-33, 1050 nm , 10 mW/sr, 2 mW at 50 mA, +/-18°, 3 mm clear epoxy	12,02	16,36
LED1050-35K42, 1050 nm , 1.5 mW at 50 mA, tr,tf: 10 ns, +/-6°, TO-46, cap lens	16,61	22,61
LED1050-35T52, 1050 nm , 1 mW at 50 mA, tr,tf: 10 ns, +/-55°	16,61	22,61
ELD-1060-525, 1060 nm , 1.6 mW at 20 mA, tr,tf=10ns, 20°, 5 mm clear epoxy	8,19	11,15
LED1070-03, 1070 nm , 2.5 mW at 50 mA, 20°, 5 mm clear epoxy	12,02	16,36
LED1200-03, 1200 nm , 5 mW at 50 mA, tr,tf=10ns, 20°, 5 mm epoxy	12,02	16,36
LED1200-06, 1200 nm , 5 mW at 50 mA, tr,tf=10ns, 8°, 5 mm epoxy	12,02	16,36
LED1200-35K42, 1200 nm , 5.5 mW at 50 mA, 16°, TO-46, cap lens	16,61	22,61
LED1200-35M32, 1200 nm , 5.5 mW at 50 mA, 24°, TO-18, cap lens	15,46	21,05
ELD-1300-525, 1300 nm , 2.2 mW at 20 mA, tr,tf=10ns, 25°, 5 mm clear epoxy	8,19	11,15
LED1300-03, 1300 nm , 4.5 mW at 50 mA, tr,tf=10ns, 20°, 5 mm clear epoxy	12,02	16,36
LED1300-35M32, 1300 nm , 3 mW at 50 mA, +/-15°, TO-46, cap lens	15,46	21,05
LED1300-35K42, 1300 nm , 2 mW at 50 mA, +/-6°, TO-46, cap lens	16,61	22,61
LED1450-03, 1450 nm , 2.5 mW at 50 mA, tr,tf=10ns, 20°, 5 mm clear epoxy	12,02	16,36
LED1450-06, 1450 nm , 2.5 mW at 50 mA, tr,tf=10ns, 8°, 5 mm clear epoxy	12,02	16,36
LED1450-35K42, 1450 nm , 2.4 mW at 50 mA, +/-6°, TO-46, cap lens	16,61	22,61
ELD-1480-525, 1480 nm , 1.8 mW 20 mA, FWHM=150nm, tr/ff=40ns, 20°, 5 mm clear epoxy	8,19	11,15
ELD-1550-525, 1550 nm , 1.4 mW at 20 mA, tr,tf=10ns, 20°, 5 mm clear epoxy	8,19	11,15
LED1550-03, 1550 nm , 2.5 mW at 50 mA, tr,tf=10ns, 20°, 5 mm clear epoxy	12,02	16,36
LED1550-35M32, 1550 nm , 2.0 mW at 50 mA, +/-15°, TO-46	15,46	21,05
LED1550-35K42, 1550 nm , 2.0 mW at 50 mA, +/-6°, TO-46	16,61	22,61
ELD-1720-535, 1720 nm , 1.0 mW at 20 mA, tr,tf=15ns, 30°, 5 mm clear epoxy	8,19	11,15

LEDs - SMD		
352 nm - 1550 nm	EUR	USD
 SMD LEDs wavelengths from UV to IR custom wavelengths and packages available on request	1-49 pcs.	1-49 pcs.
350-PLCC2-120, 350 nm , 200 uW at 20 mA, 120°, SMD PLCC 2, 2.7x3.5x1.9 mm	19,75	26,89
XSL-355-SD, 355 nm , 0.6 mW at 20 mA, 100°, ceramic SMD, 3.5x2.7x1.8 mm	11,23	15,29
RLCU-355, 353-360 nm , 0.75 mW/sr at 20 mA, 120°, ceramic SMD, 3x2x1mm	12,50	17,02
360-PLCC2-120, 360 nm , 500 uW at 20 mA, 120°, SMD PLCC, 2.70 x 3.50 x 1.90 mm	6,20	8,44
XSL-360-SD, 360 nm , 0.9 mW at 20 mA, 100°, ceramic SMD, 3.5x2.7x1.8 mm	9,20	12,52
XSL-365-SD, 365 nm , 1.2 mW at 20 mA, 100°, ceramic SMD, 3.5x2.7x1.8 mm	9,20	12,52
UVLED365-SMD, 365 nm , 3.0 mW at 20 mA, 100°, SMD 3.0x2.0x1.2 mm	2,55	3,47
UVLED365E-SMD, 365 nm , 5.0 mW at 20 mA, 100°, SMD 3.0x2.0x1.2 mm	3,69	5,02
RLCU-365, 363-370 nm , 0.78 mW/sr at 20 mA, 120°, ceramic SMD, 3x2x1mm	9,00	12,25
XSL-370-SD, 370 nm , 2.0 mW at 20 mA, 100°, ceramic SMD, 3.5x2.7x1.8 mm	7,16	9,75
VL370-3228, 370 nm , 2.0-2.5 mW at 20 mA, 120°, SMD 3.6x2.9x0.8 mm	4,41	6,00
RLS370SMD0805, 370 nm , 1 mW at 20 mA, 120°, SMD 0805	10,50	14,29
XSL-375-SD, 375 nm , 3.5 mW at 20 mA, 100°, ceramic SMD, 3.5x2.7x1.8 mm	4,50	6,13
RLCU-375, 375-380 nm , 1.5-4.0 mW at 20mA, 120°, ceramic SMD, 3x2x1mm	4,70	6,40
UVLED375-SMD, 375 nm , 5.0 mW at 20 mA, 100°, SMD 3.0x2.0x1.2 mm	1,92	2,61
UVLED375E-SMD, 375 nm , 13 mW at 20 mA, 100°, SMD 3.0x2.0x0.7 mm	3,69	5,02
VL380-3528, 380 nm , 5.0-7.0 mW at 20 mA, 120°, SMD 3.5x2.8x0.8 mm	3,70	5,04
SMC395, 395 nm , 8.0 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	10,60	14,43
RLCU-400, 400-405 nm , 4.2-11 mW at 20mA, +/-60°, ceramic SMD, 3x2x1mm	3,10	4,22
VL400-3228, 400 nm , 9.0-10.0 mW at 20 mA, 120°, SMD 3.6x2.9x0.8 mm	1,31	1,78
VL405-3228, 405 nm , 8.0-10.0 mW at 20 mA, 120°, SMD 3.2x2.8x0.8 mm	1,31	1,78
SMC405, 405 nm , 4 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	5,30	7,22
SMT405R, 405 nm , 12.5 mW at 20 mA, +/-55°, ceramic SMD, 3.5x2.7x1.8 mm	5,30	7,22
RLCU-410, 410-415 nm , 4.2-11 mW at 20mA, +/-60°, ceramic SMD, 3x2x1mm	2,70	3,68
RLCU-415, 415-420 nm , 4.2-11 mW at 20mA, +/-60°, ceramic SMD, 3x2x1mm	2,70	3,68
SMC415, 415 nm , 4.0 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	5,30	7,22
SMC430, 430 nm , 0.25 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	4,42	6,02
RLCU-430, 425-435 nm , 8 mW at 30mA, +/-60°, ceramic SMD, 3x2x1mm	4,00	5,45
SMC470, 470 nm , 3.5 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	4,06	5,53
SMC490, 490 nm , 1.0 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	4,42	6,02
SMC525, 525 nm , 1.0 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	4,42	6,02
SMC565, 565 nm , 0.1 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	1,15	1,57
SMC570, 570 nm , 0.2 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	1,77	2,41
SMT570, 570 nm , 0.3 mW at 20 mA, +/-55°, ceramic SMD, 3.5x2.7x1.8 mm	1,77	2,41
SMC630, 630 nm , 0.2 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	1,77	2,41
SMC660N, 660 nm , 12 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	1,77	2,41
SMT660/910, 660/910 nm , 2.5/2.5 mW at 20 mA, +/-55°, ceramic SMD, 3.5x2.7x1.8 mm	6,36	8,66
SMC680, 680 nm , 3.0 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	5,30	7,22
SMC700, 700 nm , 3.0 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	5,30	7,22
SMT700, 700 nm , 3 mW at 20 mA, +/-55°, ceramic SMD, 3.5x2.7x1.8 mm	4,59	6,25
SMC720, 720 nm , 3.0 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	5,30	7,22
SMT720, 720 nm , 8 mW at 50 mA, +/-55°, ceramic SMD, 3.5x2.7x1.8 mm	4,59	6,25
SMC735, 735 nm , 10 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	4,59	6,25
SMT735, 735 nm , 10 mW at 50 mA, +/-55°, ceramic SMD, 3.5x2.7x1.8 mm	3,89	5,30
ELS-740-994, 740 nm , 6.5 mW at 50 mA, 120°, SMD PLCC 2, TOP LED, 3.5x2.8x1.9 mm	3,60	4,90
SMT750-23, 750 nm , 20 mW at 50 mA, +/-15°, SMD, 3.5x2.7x3.5 mm	4,15	5,65
SMC750, 750 nm , 10 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	4,59	6,25
SMC770, 770 nm , 10 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	4,59	6,25
SMC780, 780 nm , 10 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	4,59	6,25
SMC810, 810 nm , 10 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	4,24	5,77
SMC830, 830 nm , 10 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	4,24	5,77
SMC850, 850 nm , 15 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	2,92	3,98
SMT850-23, 850 nm , 22 mW at 50 mA, +/-15°, SMD, 3.5x2.7x3.5 mm	2,92	3,98
SMC870, 870 nm , 19 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	2,92	3,98
SMT870-23, 870 nm , 22 mW at 50 mA, +/-15°, SMD, 3.5x2.7x3.5 mm	2,92	3,98

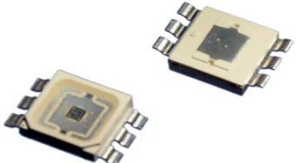
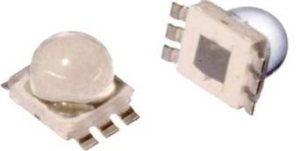
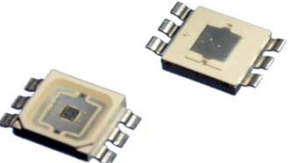
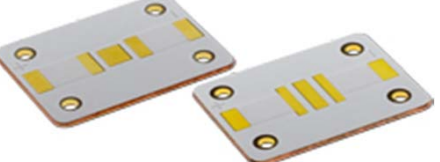
LED760/850-05A, 760/850 nm , 15/18 mW, 20 mA, +/-40°, 5 mm epoxy, flat front surface	4,24	5,77
LED760/940-04A, 760/940 nm , 15/14 mW, 20 mA, +/-20°, 5 mm epoxy	4,24	5,77
LED780/850-05A, 780/850 nm , 17/18 mW, 20 mA, +/-40°, 5 mm epoxy, flat front surface	4,24	5,77
LEDS - SELF MONITORING		
	EUR	USD
 LED series in TO18 package with integrated monitoring photodiode 3 pins, sealed with flat glass window custom wavelengths available on request	1-49 pcs.	1-49 pcs.
LED525-PD010-35D52, 525 nm , 2 mW, 20 mA, +/-55°, TO18 flat glass wind., monitor PD	10,96	14,92
LED610-PD010-35D52, 610 nm , 0.8 mW, 20 mA, +/-55°, TO18 flat glass wind., monitor PD	18,55	25,25
LED780-PD010-40D52, 780 nm , 12 mW, 50 mA, +/-55°, TO18 flat glass wind., monitor PD	10,96	14,92
LED810-PD010-40D52, 810 nm , 6 mW, 50 mA, +/-55°, TO18 flat glass wind., monitor PD	18,55	25,25
LED850N-PD010-40D52, 850 nm , 6 mW, 50 mA, +/-55°, TO18 flat glass wind., monitor PD	18,55	25,25
LED890-PD010-40D52, 890 nm , 5 mW, 50 mA, +/-40°, TO18 flat glass wind., monitor PD	18,55	25,25
LEDS - RESONANT CAVITY		
RC-LED 650 nm	EUR	USD
 RC-LED (resonant cavity LED) wavelength typ. 650 nm, power 1.0 - 1.5 mW packages: TO-46 flat window, 5 mm clear epoxy, side looking epoxy, chip die	1-9 pcs.	1-9 pcs.
RC650-TO46FW, 650 nm RC-LED, 1.0 mW, 20 mA, 90°, TO-46, flat window	9,90	13,48
RC650-SLEP, 650 nm RC-LED, 1.6 mW, 20 mA, epoxy mold, side looking	8,23	11,20
RC-LED MODULE 650 nm	EUR	USD
 visible 650 nm RC-LED in anodized aluminium header with adjustable 3-lens glass collimator ultra narrow beam, very fast, perfect round spot	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	70,52
LEDS - BARE CHIP DIES		
	EUR	USD
 UVA, UVB, and UVC LED CHIP DIES available as bare chip die and on Si submount - chip material: AlGaIn based - chip size: 400 x 600 µm - submount: Si, 1.3 x 1.5 mm	1-10 pcs.	1-10 pcs.
CHIP-265, 265 +/-5 nm, 0.7mW @ 20 mA, bare chip die	276,00	375,74
CHIP-265M, 265 +/-5 nm, 0.7mW @ 20 mA, chip on submount	290,00	394,80
CHIP-280, 280 +/-5 nm, 1.3mW @ 20 mA, bare chip die	207,55	282,55
CHIP-280M, 280 +/-5 nm, 1.3mW @ 20 mA, chip on submount	220,80	300,59
CHIP-310, 310 +/-5 nm, 1.1mW @ 20 mA, bare chip die	172,23	234,47
CHIP-310M, 310 +/-5 nm, 1.1mW @ 20 mA, chip on submount	186,58	254,00
CHIP-325, 325 +/-5 nm, 1.4mW @ 20 mA, bare chip die	138,00	187,87
CHIP-325M, 325 +/-5 nm, 1.4mW @ 20 mA, chip on submount	152,35	207,40
CHIP-340, 340 +/-5 nm, 1.4mW @ 20 mA, bare chip die	138,00	187,87
CHIP-340M, 340 +/-5 nm, 1.4mW @ 20 mA, chip on submount	152,35	207,40
355 nm - 1720 nm	EUR	USD

	LED chip dies mimimum order quantity 100 pcs. (MOQ) 355 nm - 1720 nm		
		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	24,25
C360-2SR1, 360 nm , 0.5-1.0 mW @ 20 mA, size: 280 x 280 um, MOQ = 20 pcs.		16,54	22,52
C365-2SR2, 365 nm , 1.0-1.5 mW @ 20 mA, size: 280 x 280 um, MOQ = 20 pcs.		11,88	16,17
C365-3SRA1, 365 nm , 5-10 mW @ 100 mA, size: 600 x 600 um, MOQ = 10 pcs.		44,10	60,04
C370-2SR4, 370 nm , 2.0-2.5 mW @ 20 mA, size: 280 x 280 um, MOQ = 20 pcs.		11,88	16,17
C370-5SR7, 370 nm , 3.5-4.5 mW @ 20 mA, size: 350 x 360 um, MOQ = 20 pcs.		17,40	23,69
C375-2SR9, 375 nm , 4.5-5.0 mW @ 20 mA, size: 280 x 280 um, MOQ = 20 pcs.		11,88	16,17
C375-5SR12, 375 nm , 6.0-6.5 mW @ 20 mA, size: 350 x 360 um, MOQ = 20 pcs.		19,09	25,99
C375-3SRA6, 375 nm , 30-35 mW @ 100 mA, size: 600 x 600 um, MOQ = 10 pcs.		37,33	50,82
ELC-410-37, 410 nm , 60 mcd @ 20 mA, size: 380 x 380 µm, MOQ = 100 pcs.		o.r	o.r
ELC-460-34, 460 nm , 60 mcd @ 20 mA, size: 300 x 300 µm, MOQ = 100 pcs.		1,38	1,88
ELC-490-37, 490 nm , 280 mcd @ 20 mA, size: 380 x 380 µm, MOQ = 100 pcs.		o.r	o.r
ELC-560-10, 560 nm , 2.4 mcd @ 20 mA, size: 235 x 235 µm, MOQ = 100 pcs.		o.r	o.r
ELC-572-13, 572 nm , 0.23 mW @ 20 mA, size: 265 x 265 µm, MOQ = 100 pcs.		1,93	2,63
ELC-590-13, 590 nm , 1.4 mW @ 20 mA, size: 265 x 265 µm, MOQ = 100 pcs.		1,93	2,63
ELC-610-13, 610 nm , 65 mcd @ 20 mA, size: 265 x 265 µm, MOQ = 100 pcs.		1,93	2,63
ELC-630-13-1, 630 nm , 2.5 mW @ 20 mA, size: 265 x 265 µm, MOQ = 100 pcs.		1,93	2,63
ELC-650-24, 650 nm , 2.0 mW @ 20 mA, size: 310 x 310 µm, MOQ = 100 pcs.		1,93	2,63
ELC-660-23-1, 660 nm , 1.5 mW @ 20 mA, size: 265 x 265 µm, MOQ = 100 pcs.		2,98	4,06
ELC-690-27, 690 nm , 5 mW @ 20 mA, size: 360 x 360 µm, MOQ = 100 pcs.		1,93	2,63
ELC-700-25, 700 nm , 4 mW @ 20 mA, size: 325 x 325 µm, MOQ = 100 pcs.		1,93	2,63
ELC-740-25, 740 nm , 2.5 mW @ 20 mA, size: 325 x 325 µm, MOQ = 100 pcs.		1,93	2,63
ELC-770-25-1, 770 nm , 6 mW @ 20 mA, size: 325 x 325 µm, MOQ = 100 pcs.		1,93	2,63
ELC-800-25, 800 nm , 6 mW @ 20 mA, size: 325 x 325 µm, MOQ = 100 pcs.		1,93	2,63
ELC-870-27, 875 nm , 4.5 mW @ 20 mA, size: 360 x 360 µm, MOQ = 100 pcs.		1,93	2,63
ELC-910-17, 910 nm , 7 mW @ 20 mA, size: 360 x 360 µm, MOQ = 100 pcs.		1,93	2,63
ELC-935-17, 935 nm , 4.2 mW @ 20 mA, size: 360 x 360 µm, MOQ = 100 pcs.		1,93	2,63
ELC-980-17-1, 980 nm , 2 mW @ 100 mA, size: 360 x 360 µm, MOQ = 100 pcs.		5,25	7,15
ELC-1020-17-1, 1020 nm , 3 mW @ 100 mA, size: 360 x 360 µm, MOQ = 100 pcs.		5,25	7,15
ELC-1060-17-1, 1060 nm , 3 mW @ 100 mA, size: 360 x 360 µm, MOQ = 100 pcs.		5,25	7,15
ELC-1300-17, 1300 nm , 3.5 mW @ 100 mA, size: 360 x 360 µm, MOQ = 100 pcs.		8,86	12,06
ELC-1550-17, 1550 nm , 5 mW @ 100 mA, size: 360 x 360 µm, MOQ = 100 pcs.		8,86	12,06
ELC-1720-17, 1720 nm , 3 mW @ 100 mA, size: 360 x 360 µm, MOQ = 100 pcs.		8,86	12,06
HIGH POWER LED CHIP DIES		365 nm - 970 nm	1x1 mm²
		EUR	USD
	High Power LED chip dies, 1x1 mm² mimimum order quantity (MOQ) -> request 365 nm - 970 nm		
		10-99 pcs.	10-99 pcs.
C700-1x1, 700 nm , size: 1x1 mm, LED chip die		2,76	3,76
C810-1x1, 810 nm , size: 1x1 mm, LED chip die		2,54	3,46
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-365-330-SMD, 365 nm , typ. 330 mW at 500 mA, Uf: typ. 3.8 V, 120°, 6.8 x 6.8 x 2.1 mm		76,20	103,74
UVLED-385-400-SMD, 385 nm , typ. 400 mW at 500 mA, Uf: typ. 3.7 V, 120°, 6.8 x 6.8 x 2.1 mm		76,20	103,74

	ultra high power single chip UV-LED series - aluminium SMD package - quartz glass window - Zener diode ESD protection	1-5 pcs.	1-5 pcs.
CUN6AF1B, 365 nm , 570 mW at 500 mA, Uf: typ. 4.0 V, 110°, 6.3 x 6.3 x 1.8 mm		32,80	44,65
CUN7AF1A, 375 nm , 710 mW at 500 mA, Uf: typ. 3.8 V, 110°, 6.3 x 6.3 x 1.8 mm		26,70	36,35
CUN8AF1A, 385 nm , 950 mW at 500 mA, Uf: typ. 3.8 V, 110°, 6.3 x 6.3 x 1.8 mm		26,70	36,35
CUN9AF1A, 395 nm , 900 mW at 500 mA, Uf: typ. 3.6 V, 110°, 6.3 x 6.3 x 1.8 mm		19,50	26,55
CUN0AF1A, 405 nm , 900 mW at 500 mA, Uf: typ. 3.6 V, 110°, 6.3 x 6.3 x 1.8 mm		19,50	26,55
	high power 4-chip UV-LED series hermetic ceramic SMD package glass window RoHS compliant, ESD protection	1-5 pcs.	1-5 pcs.
UVLED-365-1200-SMD, 365 nm , typ 1200 mW at 500 mA, Uf: typ 15.0 V, 120°, 6.8x6.8x1.84 mm		242,00	329,45
UVLED-385-1200-SMD, 385 nm , typ 1200 mW at 500 mA, Uf: typ 14.8 V, 120°, 6.8x6.8x1.84 mm		242,00	329,45
	ultra high power 4-chip UV-LED series - 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 , 2350 mW at 1000 mA, Uf: typ. 7.8 V, 110°, 6.35 x 6.35 x 1.4 mm		102,05	138,93
CUN8AF4A, 385 nm , 3750 mW at 1000 mA, Uf: typ. 7.4 V, 110°, 6.35 x 6.35 x 1.4 mm		98,40	133,96
CUN9AF4A, 395 nm , 3750 mW at 1000 mA, Uf: typ. 7.4 V, 110°, 6.35 x 6.35 x 1.4 mm		71,80	97,75
	high radiation intensity surface mount LED on AlN ceramics submount, silver plated soldering pads, lead free solderable, RoHS compliant, Top - 40...85°C size: 3.8x3.8x0.9 mm	1-9 pcs.	1-9 pcs.
RLCU-440-365, 365-370 nm , 40-90 mW at 350mA, Vf=4.0V, 120°		64,60	87,94
RLCU-440-380, 380-385 nm , 90-160 mW at 350mA, Vf=4.0V, 120°		32,80	44,65
RLCU-440-390, 390-395 nm , 130-260 mW at 350mA, Vf=4.0V, 120°		23,90	32,54
RLCU-440-400, 400-405 nm , 190-310 mW at 350mA, Vf=4.0V, 120°		20,40	27,77
RLCU-440-410, 410-415 nm , typ.250 mW at 350mA, Vf=4.0V, 120°		28,50	38,80
RLCU-440-415, 415-420 nm , typ.250 mW at 350mA, Vf=4.0V, 120°		28,50	38,80
RLCU-440-720, 720 nm , 30-50 mW/sr at 350mA, 120°		12,00	16,34
RLCU-440-880, 880 nm , 20-30 mW/sr at 350mA, 120°		12,00	16,34
RLCU-440-970, 970 nm , typ.9 mW/sr at 350mA, 120°		22,80	31,04
RLCU-440-1020, 1020 nm , typ.17 mW/sr at 350mA, 120°		29,70	40,43
RLCU-440-1050, 1050 nm , typ.16 mW/sr at 350mA, 120°		29,70	40,43
	high power UV-LED series hermetic ceramic SMD package UV resistant silicone mold integrated zener diode ESD protection size: 5.0 x 5.0 x 1.0 mm	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	29,41
VL380-5050, 380 nm , 50-60 mW at 350 mA, Uf: typ. 3.8-4.2 V, 120°		15,20	20,69
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
	high power single chip UV-LED series hermetic ceramic SMD package UV resistant silicone mold integrated zener diode ESD protection low operation current size: 4.2 x 4.2 x 1.3 mm	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	67,80

	high power 4-chip UV-LED series hermetic ceramic SMD package UV resistant silicone mold integrated zener diode ESD protection low operation current size: 4.2 x 4.2 x 1.3 mm	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	66,71
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	49,83
	high power multi chip UV-LED series hermetic ceramic SMD package UV resistant silicone mold size: Ø19.9 x 7.9 mm	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	238,24
XML-375-SD, 375 nm , 900 mW at 300 mA, 25 chips, ceramic SMD, 19.9 x 7.9 mm		175,00	238,24
XML-385-SD, 385 nm , 1000 mW at 300 mA, 25 chips, ceramic SMD, 19.9 x 7.9 mm		175,00	238,24
XML-400-SD, 400 nm , 1500 mW at 300 mA, 25 chips, ceramic SMD, 19.9 x 7.9 mm		175,00	238,24
	high power single chip UV-LED series hermetic ceramic emitter package UV resistant silicone mold	1-5 pcs.	1-5 pcs.
VL380-EMITTER, 380 nm , 200-300 mW at 350 mA, Uf: typ. 3.0-4.0 V, 140°		25,80	35,12
VL390-EMITTER, 390 nm , 200-300 mW at 350 mA, Uf: typ. 3.0-4.0 V, 140°		25,80	35,12
VL400-EMITTER, 400 nm , 300-400 mW at 350 mA, Uf: typ. 3.0-4.0 V, 140°		25,80	35,12
VL410-EMITTER, 410 nm , 300-400 mW at 350 mA, Uf: typ. 3.0-4.0 V, 140°		25,80	35,12
VL440-EMITTER, 440 nm , 400-500 mW at 350 mA, Uf: typ. 3.0-4.0 V, 140°		16,80	22,87
HIGH POWER TOP SMD LED		EUR	USD
	high power SMD LED series If: 3 x 20 mA, +/-60° angle 3 chips inside size: 6.0 x 5.0 x 1.7 mm ► PHASE OUT	1-49 pcs.	1-49 pcs.
WTFH01DS, white , 3 cd at 3x20mA, Vf = 3.2V, +/-60°		2,29	3,12
BNFH01TS, blue , 470 nm , 510 mcd at 3x20mA, Vf = 3.6V, +/-60°		1,33	1,81
GNFH01TS, green , 523 nm , 1.3 cd at 3x20mA, Vf = 3.2V, +/-60°		1,33	1,81
OMFH01TS, red , 626 nm , 540 mcd at 3x20mA, Vf = 2.3V, +/-60°		1,00	1,36
HIGH POWER TOP SMD LED SMB1N series		EUR	USD
	1 W high power LED series, power chip technology, chip size 1 x 1 mm ² , mounted on copper heat sink into a PA9T SMD package, without leads, flat or with lens 365 - 1300 nm available base size: 5.0 x 5.2 mm, silicone / epoxy mold	1-49 pcs.	1-49 pcs.
SMB1N-365V, 365 nm , 350 mW at 500 mA, Uf <4.5 V, 124°, 5.0x5.2x1.0 mm		o.r.	o.r.
SMB1N-365V-02, 365 nm , 350 mW at 500 mA, Uf <4.5 V, 20°, 5.0x5.2x5.5 mm		34,92	47,54
SMB1N-375V, 375 nm , 560 mW at 500 mA, Uf <4.5 V, 126°, 5.0x5.2x1.0 mm		o.r.	o.r.
SMB1N-375V-02, 375 nm , 5.0x5.2x5.5 mm		o.r.	o.r.
SMB1N-395V, 395 nm , 420 mW at 500 mA, Uf 3.6 V, 124°, 5.0x5.2x1.0 mm		15,63	21,28
SMB1N-395V-02, 395 nm , 5.0x5.2x5.5 mm		o.r.	o.r.
SMB1N-405H, 405 nm , 490 mW at 350 mA, Uf <4.3 V, 128°, 5.0x5.2x1.0 mm		11,31	15,40
SMB1N-405H-02, 405 nm , 5.0x5.2x5.5 mm		12,97	17,66
SMB1N-D420H, 420 nm , 420 mW at 350 mA, Uf <3.8 V, 126°, 5.0x5.2x1.0 mm		o.r.	o.r.
SMB1N-D420-02, 420 nm , 400 mW at 350 mA, Uf <3.8 V, 22°, 5.0x5.2x5.5 mm		8,98	12,23
SMB1N-D450, 450 nm , 480 mW at 350 mA, Uf <4.0 V, 130°, 5.0x5.2x1.0 mm		5,72	7,79
SMB1N-D450-02, 450 nm , 480 mW at 350 mA, Uf <4.0 V, 20°, 5.0x5.2x5.5 mm		9,53	12,98
SMB1N-D470, 470 nm , 470 mW at 350 mA, Uf <3.8 V, 130°, 5.0x5.2x1.0 mm		7,76	10,57
SMB1N-D470-02, 470 nm , 470 mW at 350 mA, Uf <3.8 V, 20°, 5.0x5.2x5.5 mm		9,95	13,58
SMB1N-490, 490 nm , 320 mW at 350 mA, Uf <4.1 V, 126°, 5.0x5.2x1.0 mm		7,76	10,57

SMB1N-490-02, 490 nm , 200 mW at 250 mA, Uf <4.1 V, 22°, 5.0x5.2x5.5 mm	6,32	8,60
SMB1N-515V, 515 nm , 230 mW at 350 mA, Uf <3.6 V, 126°, 5.0x5.2x1.0 mm	7,76	10,57
SMB1N-515V-02, 515 nm , 250 mW at 350 mA, Uf <3.6 V, 18°, 5.0x5.2x5.5 mm	9,42	12,83
SMB1N-D520, 520 nm , 240 mW at 350 mA, Uf <3.8 V, 130°, 5.0x5.2x1.0 mm	o.r.	o.r.
SMB1N-D520-02, 520 nm , 250 mW at 350 mA, Uf <3.8 V, 20°, 5.0x5.2x5.5 mm	9,42	12,83
SMB1N-525V, 525 nm , 230 mW at 350 mA, Uf <3.6 V, 126°, 5.0x5.2x1.0 mm	o.r.	o.r.
SMB1N-525V-02, 525 nm , 250 mW at 350 mA, Uf <3.8 V, 20°, 5.0x5.2x5.5 mm	o.r.	o.r.
SMB1N-590, 590 nm , 300 mW at 500 mA, Uf <3.0 V, 120°, 5.0x5.2x1.0 mm	8,76	11,92
SMB1N-590-02, 590 nm , 200 mW at 350 mA, Uf <2.8 V, 24°, 5.0x5.2x5.5 mm	10,51	14,31
SMB1N-620, 620 nm , 190 mW at 350 mA, Uf <2.7 V, 124°, 5.0x5.2x1.0 mm	o.r.	o.r.
SMB1N-620-02, 620 nm , 5.0x5.2x5.5 mm	o.r.	o.r.
SMB1N-D630, 630 nm , 330 mW at 350 mA, Uf <2.8 V, 126°, 5.0x5.2x1.0 mm	o.r.	o.r.
SMB1N-D630-02, 630 nm , 330 mW at 350 mA, Uf <2.8 V, 18°, 5.0x5.2x5.5 mm	9,98	13,58
SMB1N-D660N, 660 nm , 250 mW at 350 mA, Uf <3.0 V, 124°, 5.0x5.2x1.0 mm	8,32	11,32
SMB1N-D660N-02, 660 nm , 5.0x5.2x5.5 mm	10,53	14,34
SMB1N-670, 670 nm , 130 mW at 600 mA, Uf <2.5 V, 124°, 5.0x5.2x1.0 mm	9,76	13,28
SMB1N-670-02, 670 nm , 5.0x5.2x5.5 mm	11,42	15,55
SMB1N-680, 680 nm , 130 mW at 600 mA, Uf <2.5 V, 124°, 5.0x5.2x1.0 mm	9,76	13,28
SMB1N-680-02, 680 nm , 170 mW at 600 mA, Uf <2.5 V, 18°, 5.0x5.2x5.5 mm	11,42	15,55
SMB1N-690D, 690 nm , 490 mW at 600 mA, Uf <3.0 V, 126°, 5.0x5.2x1.0 mm	9,53	12,98
SMB1N-690D-02, 690 nm , 490 mW at 600 mA, Uf <3.0 V, 18°, 5.0x5.2x5.5 mm	o.r.	o.r.
SMB1N-700, 700 nm , 100 mW at 500 mA, Uf <2.7V, 128°, 5.0x5.2x1.0 mm	9,76	13,28
SMB1N-700-02, 700 nm , 120 mW at 500 mA, Uf <2.7 V, 20°, 5.0x5.2x5.5 mm	11,97	16,30
SMB1N-720, 720 nm , 5.0x5.2x1.0 mm	o.r.	o.r.
SMB1N-720-02, 720 nm , 190 mW at 600 mA, Uf <2.8 V, 20°, 5.0x5.2x5.5 mm	11,42	15,55
SMB1N-735, 735 nm , 150 mW at 600 mA, Uf <2.3 V, 130°, 5.0x5.2x1.0 mm	o.r.	o.r.
SMB1N-735-02, 735 nm , 180 mW at 600 mA, Uf <2.3 V, 22°, 5.0x5.2x5.5 mm	o.r.	o.r.
SMB1N-740D, 740 nm , 290 mW at 600 mA, Uf <2.4 V, 126°, 5.0x5.2x1.0 mm	8,65	11,77
SMB1N-740D-02, 740 nm , 290 mW at 600 mA, Uf <2.4 V, 16°, 5.0x5.2x5.5 mm	o.r.	o.r.
SMB1N-750, 750 nm , 290 mW at 800 mA, Uf <2.4 V, 126°, 5.0x5.2x1.0 mm	9,53	12,98
SMB1N-750-02, 750 nm , 320 mW at 800 mA, Uf <2.4 V, 20°, 5.0x5.2x5.5 mm	11,20	15,24
SMB1N-760D, 760 nm , 400 mW at 800 mA, Uf <2.5 V, 128°, 5.0x5.2x1.0 mm	o.r.	o.r.
SMB1N-760D-02, 760 nm , 400 mW at 800 mA, Uf <2.5 V, 18°, 5.0x5.2x5.5 mm	o.r.	o.r.
SMB1N-770, 770 nm , 330 mW at 800 mA, Uf <2.5 V, 126°, 5.0x5.2x1.0 mm	9,53	12,98
SMB1N-770-02, 770 nm , 330 mW at 800 mA, Uf <2.5 V, 20°, 5.0x5.2x5.5 mm	11,75	16,00
SMB1N-780D, 780 nm , 500 mW at 800 mA, Uf <2.6 V, 128°, 5.0x5.2x1.0 mm	o.r.	o.r.
SMB1N-780D-02, 780 nm , 500 mW at 800 mA, Uf <2.6 V, 18°, 5.0x5.2x5.5 mm	8,65	11,77
SMB1N-810D, 810 nm , 560 mW at 800 mA, Uf <2.5 V, 126°, 5.0x5.2x1.0 mm	10,64	14,49
SMB1N-810D-02, 810 nm , 560 mW at 800 mA, Uf <2.5 V, 20°, 5.0x5.2x5.5 mm	o.r.	o.r.
SMB1N-820D, 820 nm , 540 mW at 800 mA, Uf <2.5 V, 124°, 5.0x5.2x1.0 mm	o.r.	o.r.
SMB1N-820D-02, 820 nm , 5.0x5.2x5.5 mm	o.r.	o.r.
SMB1N-830N, 830 nm , 280 mW at 800 mA, Uf <2.2 V, 128°, 5.0x5.2x1.0 mm	8,87	12,07
SMB1N-830N-02, 830 nm , 340 mW at 800 mA, Uf <2.2 V, 18°, 5.0x5.2x5.5 mm	10,09	13,74
SMB1N-850D, 850 nm , 650 mW at 1000 mA, Uf <2.5 V, 124°, 5.0x5.2x1.0 mm	9,11	12,41
SMB1N-850D-02, 850 nm , 630 mW at 1000 mA, Uf <2.5V, 22°, 5.0x5.2x5.5 mm	10,84	14,76
SMB2N-850D-I, 850 nm , 5.0x5.2x1.0 mm, 2 chip dies	16,39	22,31
SMB3N-850D-I, 850 nm , 1500 mW at 1000 mA, Uf <7.5 V, 5.0x5.2x1.0 mm, 3 chip dies	22,64	30,82
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 , 5.0x5.2x1.0 mm	o.r.	o.r.
SMB1N-870-02, 870 nm , 430 mW at 1000 mA, Uf <2.5 V, 24°, 5.0x5.2x5.5 mm	o.r.	o.r.
SMB1N-880, 880 nm , 5.0x5.2x1.0 mm	8,87	12,07
SMB1N-880-02, 880 nm , 270 mW at 800 mA, Uf <2.2 V, 20°, 5.0x5.2x5.5 mm	18,74	25,51
SMB1N-940-02, 940 nm , 120 mW at 500 mA, Uf <1.65 V, 24°, 5.0x5.2x1.0 mm	10,31	14,04
SMB1N-940D, 940 nm , 620 mW at 1000 mA, Uf <1.8 V, 124°, 5.0x5.2x1.0 mm	8,65	11,77
SMB1N-940D-02, 940 nm , 630 mW at 1000 mA, Uf <1.8 V, 22°, 5.0x5.2x5.5 mm	10,31	14,04
SMB1N-970, 970 nm , 5.0x5.2x1.0 mm	o.r.	o.r.
SMB1N-970-02, 970 nm , 5.0x5.2x5.5 mm	o.r.	o.r.
SMB1N-980, 980 nm , 5.0x5.2x1.0 mm	o.r.	o.r.
SMB1N-980-02, 980 nm , 80 mW at 500 mA, Uf <1.7 V, 20°, 5.0x5.2x5.5 mm	8,54	11,62
SMB1N-1300, 1300 nm , 15 mW at 500 mA, Uf <1.4 V, 134°, 5.0x5.2x1.0 mm	o.r.	o.r.
SMB1N-1300-02, 1300 nm , 25 mW at 500 mA, Uf <1.4 V, 22°, 5.0x5.2x5.5 mm	o.r.	o.r.
HIGH POWER TOP SMD LED SMB series	EUR	USD

 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 395 nm - 1050 nm available base size: 5.0 x 5.0 mm, silicone / epoxy mold		
SMB1W-395R, 395 nm , 100 mW at 200 mA, Vf <4.5 V, 120°	19,44	26,47
SMB1W-490R, 490 nm , 160 mW at 250 mA, Vf <4.1 V, 126°	12,37	16,84
SMB1W-525R, 525 nm , 55 mW at 200 mA, Vf <3.8 V, 120°	12,37	16,84
SMB1W-670R, 675 nm , 200 mW at 600 mA, Vf < 2.0V, 124°	11,49	15,64
SMB1W-680R, 680 nm , 90 mW at 500 mA, Vf <2.7 V, 124°	12,37	16,84
SMB1W-680R-I, 680 nm , 90 mW at 500 mA, Vf <2.7 V, 124°, isolated	12,37	16,84
SMB1W-735, 735 nm , 150 mW at 600 mA, Vf <2.3 V, 130°	10,78	14,68
SMB1W-750R, 750 nm , 330 mW at 800 mA, Vf <2.5 V, 124°	10,78	14,68
SMB1W-760-I, 760 nm , 330 mW at 800 mA, Vf <2.5 V, 124°, isolated	11,66	15,87
SMB1W-770R, 770 nm , 330 mW at 800 mA, Vf <2.5V, 124°	11,66	15,87
SMB1W-850, 850 nm , 430 mW at 1.0 A, Vf <2.5 V, 132°	9,90	13,48
SMB1W-850D, 850 nm , 600 mW at 1.0 A, Vf <2.9 V, 126°	9,90	13,48
SMB1W-870, 870 nm , 430 mW at 1.0 A, Vf <2.5 V, 132°	9,90	13,48
SMB1W-870-I, 870 nm , 230 mW at 600 mA, Vf <2.1 V, 132°, isolated	10,78	14,68
SMB1W-880R-I, 880 nm , 320 mW at 800 mA, Vf <2.2 V, 132°, isolated	12,37	16,84
HIGH POWER TOP SMD LED SMB LENS series	EUR	USD
 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 lens package ± 8° or ± 18° epoxy/silicone lens available other lenses and wavelengths on request		
SMB1W-470-04, 470 nm , 170 mW at 250 mA, Vf <3.8 V, 36°	14,14	19,25
SMB1W-490-31, 490 nm , 180 mW at 250 mA, Vf <4.1 V, 14°	16,19	22,04
SMB1W-660N-02, 660 nm , 220 mW at 350 mA, Vf <2.3 V, 22°	10,96	14,92
SMB1W-700-02, 700 nm , 90 mW at 500 mA, Vf <2.7 V, 22°	9,19	12,51
SMB1W-700-04, 700 nm , 90 mW at 500 mA, Vf <2.7 V, 48°	9,19	12,51
SMB1W-700-04-I, 700 nm , 90 mW at 500 mA, Vf <2.7 V, 48°, isolated	14,14	19,25
SMB1W-750-02, 750 nm , 330 mW at 800 mA, Vf <2.5 V, 22°	8,66	11,79
SMB1W-750-04, 750 nm , 330 mW at 800 mA, Vf <2.5 V, 42°	12,55	17,09
SMB1W-760-04-I, 760 nm , 330 mW at 800 mA, Vf <2.5 V, 48°, isolated	13,43	18,28
SMB1W-770-04, 770 nm , 330 mW at 800 mA, Vf < V, 42°	12,55	17,09
SMB1W-780-02, 780 nm , 330 mW at 800 mA, Vf <2.5 V, 22°	12,90	17,56
SMB1W-780-04-I, 780 nm , 330 mW at 800 mA, Vf <2.5 V, 48°, isolated	13,43	18,28
SMB1W-850D-04, 850 nm , 630 mW at 1.0 A, Vf <2.5 V, 38°	11,49	15,64
SMB1W-880-04-I, 880 nm , 320 mW at 800 mA, Vf <2.2 V, 42°, isolated	12,55	17,09
SMB1W-940-04-I, 940 nm , 110 mW at 500 mA, Vf <1.65 V, 50°, isolated	8,48	11,54
HIGH POWER TOP SMD LED SMB MULTI CHIP series	EUR	USD
 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 base size: 5.0 x 5.0 mm², silicone / epoxy mold		
SMB3W-420/525/640R-I, 420/525/640 nm , 115/60/110 mW at 300 mA, 124°, triple LED, iso.	44,53	60,62
ACCESSORIES FOR SMB series	EUR	USD
 PCB boards to get your SMB LEDs mounted easily! Available for SMB1W and SMB1N series size: 17 x 23 mm		
SMB1W-PCB, PCB for SMB1W series, 17 x 23 mm	4,30	5,85
SMB1N-PCB, PCB for SMB1N series, 17 x 23 mm	4,30	5,85

	Taped Lens for SMB LEDs Clear Lens with holder, taped for easy mounting. Optical grade PMMA with high UV and temperature resistance (105°C) size: Ø16.1 x 10.1 mm		
SMB-LENS, 10 degree FWHM, PMMA, Ø16.1 x 10.1 mm		2,50	3,40
SUPER BEAM LED square EPOXY		EUR	USD
	super beam LED series +/-8° viewing angle clear epoxy package base size: 7.6 x 7.6 mm	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	4,57
FL850-03-80, 850 nm , 60 mW at 100 mA, 16°, tr/ff 15/10ns		6,01	8,18
ENHANCED POWER LED SERIES HIGH POWER LED EP20 series ULTRA NARROW BEAM		EUR	USD
	high power LED series, 1 power chip inside, If: 150 mA size: 15.6 x 11,2 mm² base, 10.0 x 14.10 mm dome ► PHASE OUT	1-9 pcs.	1-9 pcs.
EP2012-150A1, yellow, 590 nm , 35 cd at 150 mA, +/-10°		6,16	8,39
EP204K-150B1, blue, 470 nm , 1.5 cd at 150 mA, +/-50°		6,16	8,39
HIGH POWER LED REM series ULTRA NARROW BEAM M3 x 0.5		EUR	USD
	ultra narrow beam power LED 4° viewing angle , black epoxy package, round beam, no dark beam center from bonding wire M3 x 0.5 thread package	1-9 pcs.	1-9 pcs.
REM-870-4M, 870 nm , 45 mW at 300 mA, 1.6 V, tr/ff 30 ns, 4°		19,40	26,41
HIGH POWER LED JET series NARROW BEAM M12 x 1		EUR	USD
	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) M12 x 1 thread package	1-9 pcs.	1-9 pcs.
JET-635-05, 635 nm , 110 mW at 500 mA, 5° (2Θ1/2)		44,00	59,90
JET-635-10, 635 nm , 205 mW at 500 mA, 10° (2Θ1/2)		44,00	59,90
JET-660-05, 655 nm , 120 mW at 350 mA, 05° (2Θ1/2)		44,00	59,90
JET-660-12, 655 nm , 200 mW at 350 mA, 10° (2Θ1/2)		44,00	59,90
JET-685-05, 680 nm , 40 mW at 700 mA, 05° (2Θ1/2)		44,00	59,90
JET-685-10, 680 nm , 88 mW at 700 mA, 10° (2Θ1/2)		44,00	59,90
JET-735-05, 730 nm , 70 mW at 500 mA, 5° (2Θ1/2)		44,00	59,90
JET-735-10, 730 nm , 130 mW at 500 mA, 10° (2Θ1/2)		44,00	59,90
JET-800-10, 800 nm , 90 mW at 500 mA, 10° (2Θ1/2)		44,00	59,90
JET-870-05, 870 nm , 90 mW at 500 mA, 05° (2Θ1/2)		44,00	59,90
JET-870-10, 870 nm , 90 mW at 500 mA, 10° (2Θ1/2)		44,00	59,90
HIGH POWER LED ELJ series JUMBO PACKAGE M10 x 1.5 - 1 WATT		EUR	USD
	narrow beam power LED series, 15° viewing angle , 1 power chip , clear aspheric plastic lens, round beam M10 x 1.5 thread package, metal case	1-9 pcs.	1-9 pcs.
ELJ-465-627, 465 nm , 45 mW / 35 cd / 2.75 lm at 350 mA, 3.3 V, 15°		27,20	37,03
ELJ-505-627, 505 nm , 40 mW / 180 cd / 700 mW/sr at 500 mA, 3.8 V, 17°		27,20	37,03
ELJ-525-627, 525 nm , 23 mW at 350 mA, 3.6 V, 15°		27,20	37,03
ELJ-590-617, 590 nm , 30 mW at 350 mA, 2.2 V, 8°		27,20	37,03

ELJ-630-628, 630 nm , 260 mW / 380 cd at 1 A, 2.2 V, 15°	27,20	37,03
ELJ-670-629, 670 nm , 80 mW at 1 A, 2.0 V, 15°	27,20	37,03
ELJ-690-629, 690 nm , 35 mW at 350 mA, 2.1 V, 15°	27,20	37,03
ELJ-750-629, 750 nm , 200 mW / 1,8 W/sr at 1 A, 2.0 V, tr/ff: 60 ns, 20°	27,20	37,03
ELJ-810-629, 810 nm , 110 mW / 980 mW/sr at 1 A, 2.0 V, tr/ff: 75 ns, 15°	27,20	37,03
ELJ-830-629, 830 nm , 270 mW / 2.1 W/sr at 1 A, 2.0 V, tr/ff: 20 ns, 20°	27,20	37,03
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	37,03
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	37,03
ELJ-940-629, 940 nm , 210 mW / 1.9 W/sr at 1 A, 1.7 V, tr/ff: 600 ns, 15°	27,20	37,03
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-E, UV, 365 nm , 135 mW at 350 mA, Uf 3.7 V, +/-75°, silicone lens	31,90	43,43
APG2C1-375, UV, 375 nm , 55 mW at 350 mA, Uf 3.7 V, +/-75°, silicone lens	23,00	31,31
APG2C1-375-E, UV, 375 nm , 200 mW at 350 mA, Uf 3.7 V, +/-75°, silicone lens	30,00	40,84
APG2C1-385, UV, 385 nm , 60 mW at 350 mA, Uf 3.7 V, +/-75°, silicone lens	24,50	33,35
APG2C1-395, UV, 395 nm , 55 mW at 350 mA, Uf 3.7 V, +/-75°, silicone lens	22,50	30,63
APG2C1-405, violet, 405 nm , 105 mW at 350 mA, Uf 3.7 V, +/-75°, silicone lens	18,50	25,19
APG2C1-410, violet, 410 nm , 125 mW at 350 mA, Uf 3.7 V, +/-75°, silicone lens	7,93	10,80
APG2C1-420, violet, 420 nm , 130 mW at 350 mA, Uf 3.7 V, +/-75°, silicone lens	7,93	10,80
APG2C1-435, violet, 435 nm , 380 mW at 350 mA, Uf 3.5 V, +/-75°	11,92	16,23
APG2C1-450, violet, 450 nm , 430 mW at 350 mA, Uf 3.1 V, +/-75°	7,93	10,80
APG2C1-470, blue, 470 nm , 200 mW at 350 mA, Uf 3.3 V, +/-75°	7,93	10,80
APG2C1-490, cyan, 490 nm , 130 mW at 350 mA, Uf 3.3 V, +/-75°	7,93	10,80
APG2C1-505, cyan, 505 nm , 130 mW at 350 mA, Uf = 3.5 V, +/-75°	7,93	10,80
APG2C1-515, green, 515 nm , 150 mW at 350 mA, Uf = 3.3 V, +/-75°	7,93	10,80
APG2C1-650, red, 650 nm , 60 mW at 350 mA, Uf = 2.1 V, +/-75°	7,93	10,80
APG2C1-660, red, 660 nm , 60 mW at 350 mA, Uf = 2.1 V, +/-75°	7,93	10,80
APG2C1-670, red, 670 nm , 60 mW at 350 mA, Uf = 2.0 V, +/-75°	7,93	10,80
APG2C1-680, red, 680 nm , 60 mW at 350 mA, Uf = 2.0 V, +/-75°	7,93	10,80
APG2C1-690, red, 690 nm , 60 mW at 350 mA, Uf = 1.7 V, +/-75°	7,93	10,80
APG2C1-720, IR, 720 nm , 100 mW at 350 mA, Uf = 2.0 V, +/-75°	7,93	10,80
APG2C1-740, IR, 740 nm , 80 mW at 350 mA, Uf = 1.9 V, +/-75°	7,93	10,80
APG2C1-760, IR, 760 nm , 70 mW at 350 mA, Uf = 1.9 V, +/-75°	7,93	10,80
APG2C1-780, IR, 780 nm , 70 mW at 350 mA, Uf 1.7 V, +/-75°	7,93	10,80
APG2C1-810, IR, 810 nm , 90 mW at 350 mA, Uf 1.8 V, +/-75°	7,93	10,80
APG2C1-830, IR, 830 nm , 70 mW at 350 mA, Uf = 1.5 V, +/-75°	7,93	10,80
APG2C1-850, IR, 850 nm , 90 mW at 350 mA, Uf 1.5 V, +/-75°	7,93	10,80
APG2C1-880, IR, 880 nm , 90 mW at 350 mA, Uf 1.5 V, +/-75°	7,93	10,80
APG2C1-905, IR, 905 nm , 70 mW at 350 mA, Uf 1.3 V, +/-75°	7,93	10,80
APG2C1-920, IR, 920 nm , 80 mW at 350 mA, Uf = 1.3 V, +/-75°	7,93	10,80
APG2C1-940, IR, 940 nm , 50 mW at 350 mA, Uf 1.3 V, +/-75°	7,93	10,80
APG2C1-970, IR, 970 nm , 40 mW at 350 mA, Uf = 1.4 V, +/-75°	7,93	10,80
APG2C1-1020, IR, 1020 nm , 40 mW at 350 mA, Uf = 1.4 V, +/-75°	28,30	38,53
APG2C1-1030, IR, 1030 nm , 60 mW at 350 mA, Uf = 1.4 V, +/-75°	28,30	38,53
APG2C1-1050, IR, 1050 nm , 50 mW at 350 mA, Uf = 1.4 V, +/-75°	28,30	38,53
HIGH POWER LED HP803 series EMITTER PACKAGE - 3 WATT	EUR	USD
 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	1-9 pcs.	1-9 pcs.
HP803NW, white , typ. 6000 K, 130-160 lm at 700 mA, Ub 4.0 V, 120°	6,75	9,19
HP803WW, warm white , typ. 3300 K, 140-170 lm at 700 mA, Ub 4.0 V, 120°	6,75	9,19
HP803PG, pure green, 530 nm , 80-110 lm at 700 mA, Ub 3.8 V, 120°	6,75	9,19
HP803NO, amber, 590 nm , 36 lm at 700 mA, Ub 3.0 V, 120°	5,85	7,96
HP803NR, red, 625 nm , 50-70 lm at 700 mA, Ub 3.0 V, 120°	5,85	7,96
HIGH POWER LED APG2C3 series EMITTER PACKAGE - 3 WATT	EUR	USD

	high power LED emitter 3 Watt electrical power base diameter 7.4 mm, height 6.87 mm package color: black or white	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	9,19
APG2C3-WW, warm white , typ. 3300 K, 140-160 lm at 700 mA, Ub 4.0 V, 120°		6,75	9,19
APG2C3-470, 470 nm , 20-40 lm at 700 mA, Ub 4.0 V, 120°		6,75	9,19
APG2C3-530, 530 nm , 90-120 lm at 700 mA, Ub 4.0 V, 120°		6,75	9,19
APG2C3-590, 590 nm , 60-80 lm at 700 mA, Ub 2.8 V, 120°		5,85	7,96
APG2C3-625, 625 nm , 60-80 lm at 700 mA, Ub 2.8 V, 120°		5,85	7,96
HIGH POWER LED APG2C5 series EMITTER PACKAGE - 5 WATT		EUR	USD
	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	1-9 pcs.	1-9 pcs.
APG2C5-670, red, 670 nm , typ. 250-300 mW at 2 A, +/-75°, lambertian epoxy lens		26,00	35,40
APG2C5-680, red, 680 nm , typ. 550 mW at 2 A, +/-75°, lambertian epoxy lens		26,00	35,40
HIGH POWER LED H2A1 series HEXAGONAL PACKAGE - 1 WATT		EUR	USD
	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	1-9 pcs.	1-9 pcs.
H2A1-H365-E, UV, 365 nm , 135 mW at 350 mA, Uf = 3.7 V, +/-75°, silicone lens		33,20	45,20
H2A1-H375-E, UV, 375 nm , 200 mW at 350 mA, Uf = 3.7 V, +/-75°, silicone lens		31,60	43,02
H2A1-H385, UV, 385 nm , 60 mW at 350 mA, Uf = 3.7 V, +/-75°, silicone lens		25,00	34,03
H2A1-H395, UV, 395 nm , 55 mW at 350 mA, Uf = 3.7 V, +/-75°, silicone lens		23,00	31,31
H2A1-H405, violet, 405 nm , 105 mW at 350 mA, Uf = 3.7 V, +/-75°, silicone lens		19,00	25,87
H2A1-H410, violet, 410 nm , 125 mW at 350 mA, Uf = 3.7 V, +/-75°, silicone lens		8,79	11,97
H2A1-H420, violet, 420 nm , 130 mW at 350 mA, Uf = 3.7 V, +/-75°, silicone lens		8,79	11,97
H2A1-H435, violet, 435 nm , 380 mW at 350 mA, Uf = 3.5 V, +/-75°		12,64	17,21
H2A1-H450, royal blue, 450 nm , 430 mW at 350 mA, Uf = 3.1 V, +/-75°		8,79	11,97
H2A1-H470, blue, 470 nm , 200 mW at 350 mA, Uf = 3.3 V, +/-75°		8,79	11,97
H2A1-H490, cyan, 490 nm , 130 mW at 350 mA, Uf = 3.3 V, +/-75°		8,79	11,97
H2A1-H505, cyan, 505 nm , 130 mW at 350 mA, Uf = 3.5 V, +/-75°		8,79	11,97
H2A1-H515, green, 515 nm , 150 mW at 350 mA, Uf = 3.3 V, +/-75°		8,79	11,97
H2A1-H650, red, 650 nm , 40 mW at 350 mA, Uf = 2.0 V, +/-75°		8,79	11,97
H2A1-H660, red, 660 nm , 60 mW at 350 mA, Uf = 2.1 V, +/-75°		8,79	11,97
H2A1-H670, red, 670 nm , 60 mW at 350 mA, Uf = 2.0 V, +/-75°		8,79	11,97
H2A1-H680, red, 680 nm , 60 mW at 350 mA, Uf = 2.0 V, +/-75°		8,79	11,97
H2A1-H690, red, 690 nm , 60 mW at 350 mA, Uf = 1.7 V, +/-75°		8,79	11,97
H2A1-H720, IR, 720 nm , 70 mW at 350 mA, Uf = 2.0 V, +/-75°		8,79	11,97
H2A1-H740, IR, 740 nm , 80 mW at 350 mA, Uf = 1.9 V, +/-75°		8,79	11,97
H2A1-H760, IR, 760 nm , 80 mW at 350 mA, Uf = 1.9 V, +/-75°		8,79	11,97
H2A1-H780, IR, 780 nm , 70 mW at 350 mA, Uf = 1.7 V, +/-75°		8,79	11,97
H2A1-H810, IR, 810 nm , 90 mW at 350 mA, Uf = 1.8 V, +/-75°		8,79	11,97
H2A1-H830, IR, 830 nm , 70 mW at 350 mA, Uf = 1.5 V, +/-75°		8,79	11,97
H2A1-H850, IR, 850 nm , 90 mW at 350 mA, Uf = 1.5 V, +/-75°		8,79	11,97
H2A1-H880, IR, 880 nm , 90 mW at 350 mA, Uf = 1.5 V, +/-75°		8,79	11,97
H2A1-H905, IR, 905 nm , 70 mW at 350 mA, Uf = 1.3 V, +/-75°		8,79	11,97
H2A1-H920, IR, 920 nm , 80 mW at 350 mA, Uf = 1.3 V, +/-75°		8,79	11,97
H2A1-H940, IR, 940 nm , 50 mW at 350 mA, Uf = 1.3 V, +/-75°		8,79	11,97
H2A1-H970, IR, 970 nm , 40 mW at 350 mA, Uf = 1.4 V, +/-75°		8,79	11,97
H2A1-H1020, IR, 1020 nm , 40 mW at 350 mA, Uf = 1.4 V, +/-75°		28,80	39,21
H2A1-H1030, IR, 1030 nm , 65 mW at 350 mA, Uf = 1.4 V, +/-75°		28,80	39,21
H2A1-H1050, IR, 1050 nm , 50 mW at 350 mA, Uf = 1.4 V, +/-75°		28,80	39,21
HIGH POWER LED LUXEON STAR HEXAGONAL PACKAGE - 1 WATT		EUR	USD

	high power LED, diverse wavelengths, power chip technology, world's brightest LEDs lambertian, high dome diameter: 20 mm ► PHASE OUT		
		1-9 pcs.	1-9 pcs.
LXHL-MB1D, blue, 470 nm , 10 lm at 350 mA, +/-60°		12,00	16,34
LXHL-ME1D, cyan, 505 nm , 30 lm at 350 mA, +/-60°		12,00	16,34
LXHL-ML1D, amber, 590 nm , 36 lm at 350 mA, +/-60°		12,00	16,34
LXHL-MH1D, orange, 617 nm , 55 lm at 350 mA, +/-60°		12,00	16,34
LXHL-MD1D, red, 625 nm , 44 lm at 350 mA, +/-60°		3,56	4,85
HIGH POWER LED H-HP803 series HEXAGONAL PACKAGE - 3 WATT		EUR	USD
	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 ► PHASE OUT		
		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	9,80
H-HP803NO, amber, 590 nm , 36 lm at 700 mA, Ub 3.0 V, 120°		6,35	8,64
HIGH POWER LED H2A3 series HEXAGONAL PACKAGE - 3 WATT		EUR	USD
	high power LED emitter 3 Watt electrical power base diameter 19.8 mm, height 8.42 mm		
		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	9,80
H2A3-WW, warm white , typ. 3300 K, 140-160 lm at 700 mA, Ub 4.0 V, 120°		7,20	9,80
H2A3-H470, 470 nm , 20-40 lm at 700 mA, Ub 4.0 V, 120°		7,20	9,80
H2A3-H530, 530 nm , 90-120 lm at 700 mA, Ub 4.0 V, 120°		6,75	9,19
H2A3-H590, 590 nm , 60-80 lm at 700 mA, Ub 2.8 V, 120°		6,35	8,64
H2A3-H625, 625 nm , 60-80 lm at 700 mA, Ub 2.8 V, 120°		6,35	8,64
HIGH POWER LED LUXEON III STAR HEXAGONAL PACKAGE - 3 WATT		EUR	USD
	high power LED, diverse wavelengths, power chip technology, world's brightest LEDs lambertian, high dome diameter: 20 mm ► PHASE OUT		
		1-9 pcs.	1-9 pcs.
LXHL-LB3C, blue, 470 nm , 30 lm at 1 A, +/-60°		18,00	24,50
LXHL-LE3C, cyan, 505 nm , 80 lm at 1 A, +/-60°		18,00	24,50
HIGH POWER LED H2W5 series HEXAGONAL PACKAGE - 5 WATT		EUR	USD
	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		
		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	35,40
H2W5-680, 680 nm , 550 mW at 2 A, Uf = typ. 2.0 V, +/-75°, lambertian high dome lens		26,00	35,40
H2W5-850, 850 nm , 550 mW at 2 A, Uf = typ. 2.0 V, +/-75°, lambertian high dome lens		35,00	47,65
H2W5-870, 870 nm , 550 mW at 2 A, Uf = typ. 2.0 V, +/-75°, lambertian high dome lens		30,00	40,84
H2W5-905, 905 nm , 400 mW at 2 A, Uf = typ. 1.9 V, +/-75°, lambertian high dome lens		40,20	54,73
H2W5-950, 950 nm , 330 mW at 2 A, Uf = typ. 1.8 V, +/-75°, lambertian high dome lens		25,00	34,03
HIGH POWER LED LUXEON V STAR HEXAGONAL PACKAGE - 5 WATT		EUR	USD

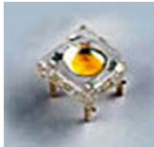
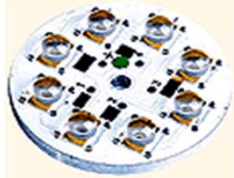
	high power LED, diverse wavelengths, power chip technology, world's brightest LEDs lambertian, high dome diameter: 20 mm ► PHASE OUT	1-9 pcs.	1-9 pcs.
LXHL-LE5C, cyan, 505 nm , 120 lm at 700 mA, +/-75°		35,00	47,65
HIGH POWER LED LUXEON FLASH SMD PACKAGE - 1 WATT		EUR	USD
LXCL-PWF1, white, typ. 53 lm at 1 A pulse, +/-60° ► PHASE OUT		5,96	8,11
HIGH POWER LED H11 series HEXAGONAL PACKAGE - 1 WATT		EUR	USD
	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° ► PHASE OUT	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	7,76
H11A1-HR-30, red, 625 nm , 10 cd, 20-25 mW at 350 mA, viewing angle 30°		3,23	4,40
H11A1-660-30, red, 660 nm , 20-25 mW at 350 mA, viewing angle 30°		5,70	7,76
H11A1-670-30, red, 670 nm , 20-25 mW at 350 mA, viewing angle 30°		5,70	7,76
H11A1-680-30, red, 680 nm , 20-25 mW at 350 mA, viewing angle 30°		5,70	7,76
H11A1-690-30, red, 690 nm , 25-30 mW at 350 mA, viewing angle 30°		5,70	7,76
H11A1-690-60, red, 690 nm , 25-30 mW at 350 mA, viewing angle 60°		5,70	7,76
H11A1-740-30, IR, 740 nm , 28-35 mW at 350 mA, viewing angle 30°		5,70	7,76
H11A1-760-30, IR, 760 nm , 28-35 mW at 350 mA, viewing angle 30°		5,70	7,76
H11A1-770-30, IR, 770 nm , 28-35 mW at 350 mA, viewing angle 30°		5,70	7,76
H11A1-780-30, IR, 780 nm , 110 mW at 500 mA, viewing angle 30°		5,70	7,76
H11A1-850-30, IR, 850 nm , 350 mA, viewing angle 30°		5,70	7,76
H11A1-880-30, IR, 880 nm , 30-40 mW at 350 mA, viewing angle 30°		5,70	7,76
H11A1-905-30, IR, 905 nm , 25-30 mW at 350 mA, viewing angle 30°		5,70	7,76
H11A1-920-30, IR, 920 nm , 350 mA, viewing angle 30°		5,70	7,76
H11A1-940-30, IR, 940 nm , 25-30 mW at 350 mA, viewing angle 30°		5,70	7,76
H11A1-940-120, IR, 940 nm , 25-30 mW at 350 mA, viewing angle 120°		5,70	7,76
H11A1-970-30, IR, 970 nm , 350 mA, viewing angle 30°		5,70	7,76
HIGH POWER LED 11 mm ALUMINIUM DISK PACKAGE - 1 WATT		EUR	USD
	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° ► PHASE OUT	1-9 pcs.	1-9 pcs.
C11A1-HU-30, UV, 395-405 nm , 15-20 mW at 350 mA, viewing angle 30°		5,55	7,55
C11A1-HU-60, UV, 395-405 nm , 15-20 mW at 350 mA, viewing angle 60°		5,55	7,55
C11A1-HU-120, UV, 395-405 nm , 15-20 mW at 350 mA, viewing angle 120°		5,55	7,55
C11A1-HW-30, white, 20 cd, 350 mA, viewing angle 30°		4,98	6,78
C11A1-HW-60, white, 20 cd, 350 mA, viewing angle 60°		4,98	6,78
C11A1-HW-120, white, 20 cd, 350 mA, viewing angle 120°		4,98	6,78
C11A1-HW-120-S, soft white, 20 cd, 350 mA, viewing angle 120°		4,98	6,78
C11A1-HB-30, blue, 470 nm , 14 cd, 17-20 mW at 350 mA, viewing angle 30°		4,79	6,53
C11A1-HB-120, blue, 470 nm , 14 cd, 17-20 mW at 350 mA, viewing angle 120°		4,79	6,53
C11A1-HC-30, cyan, 505 nm , 20 cd, 15-18 mW at 350 mA, viewing angle 30°		5,55	7,55
C11A1-HC-120, cyan, 505 nm , 20 cd, 15-18 mW at 350 mA, viewing angle 120°		5,55	7,55
C11A1-HG-30, green, 525 nm , 25 cd, 13-17 mW at 350 mA, viewing angle 30°		5,26	7,17
C11A1-HG-120, green, 525 nm , 25 cd, 13-17 mW at 350 mA, viewing angle 120°		5,26	7,17
C11A1-HY-30, yellow, 590 nm , 10 cd, 8-10 mW at 350 mA, viewing angle 30°		2,73	3,71
C11A1-HY-120, yellow, 590 nm , 10 cd, 8-10 mW at 350 mA, viewing angle 120°		2,73	3,71
C11A1-HR-120, red, 625 nm , 10 cd, 20-25 mW at 350 mA, viewing angle 120°		2,73	3,71
C11A1-660-30, red, 660 nm , 20-25 mW at 350 mA, viewing angle 30°		5,17	7,04
C11A1-660-120, red, 660 nm , 20-25 mW at 350 mA, viewing angle 120°		5,17	7,04
C11A1-670-30, red, 670 nm , 20-25 mW at 350 mA, viewing angle 30°		5,17	7,04
C11A1-670-120, red, 670 nm , 20-25 mW at 350 mA, viewing angle 120°		5,17	7,04
C11A1-680-30, red, 680 nm , 20-25 mW at 350 mA, viewing angle 30°		5,17	7,04
C11A1-680-120, red, 680 nm , 20-25 mW at 350 mA, viewing angle 120°		5,17	7,04

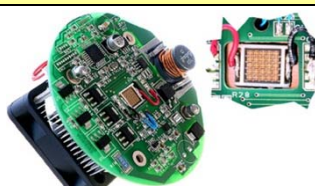
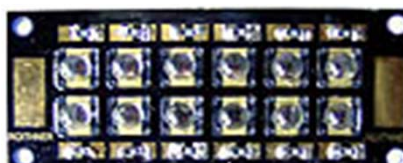
C11A1-690-30, red, 690 nm , 25-30 mW at 350 mA, viewing angle 30°	5,17	7,04
C11A1-690-120, red, 690 nm , 25-30 mW at 350 mA, viewing angle 120°	5,17	7,04
C11A1-720-60, IR, 720 nm , 28-35 mW at 350 mA, viewing angle 60°	5,17	7,04
C11A1-720-120, IR, 720 nm , 28-35 mW at 350 mA, viewing angle 120°	5,17	7,04
C11A1-760-30, IR, 760 nm , 28-35 mW at 350 mA, viewing angle 30°	5,17	7,04
C11A1-770-30, IR, 770 nm , 28-35 mW at 350 mA, viewing angle 30°	5,17	7,04
C11A1-780-30, IR, 780 nm , 110 mW at 500 mA, viewing angle 30°	5,17	7,04
C11A1-820-30, IR, 820 nm , 38-46 mW at 350 mA, viewing angle 30°	5,17	7,04
C11A1-850-30, IR, 850 nm , 350 mA, viewing angle 30°	5,17	7,04
C11A1-880-30, IR, 880 nm , 30-40 mW at 350 mA, viewing angle 30°	5,17	7,04
C11A1-905-30, IR, 905 nm , 25-30 mW at 350 mA, viewing angle 30°	5,17	7,04
C11A1-920-30, IR, 920 nm , 25-30 mW at 350 mA, viewing angle 30°	5,17	7,04
C11A1-940-30, IR, 940 nm , 25-30 mW at 350 mA, viewing angle 30°	5,17	7,04
HIGH POWER LED M3 THREAD ALUMINIUM DISK PACKAGE - 1 WATT	EUR	USD
 high power LED with M3 thread aluminium disk package, diameter 11 mm, thread length 6 mm 1x1 mm² chip 1 Watt electrical power ► PHASE OUT	1-9 pcs.	1-9 pcs.
M3L1-HW-60, white , 16 cd, 350 mA, viewing angle 60°	6,20	8,44
M3L1-HW-120, white , 15 cd, 350 mA, viewing angle 120°	6,20	8,44
M3L1-HW-120-S, soft white , 15 cd, 3500K, 350 mA, viewing angle 120°	6,20	8,44
M3L1-HU-30, UV, 395-405 nm , 15-20 mW at 350 mA, viewing angle 30°	6,73	9,16
M3L1-HU-60, UV, 395-405 nm , 15-20 mW at 350 mA, viewing angle 60°	6,73	9,16
M3L1-HU-120, UV, 395-405 nm , 15-20 mW at 350 mA, viewing angle 120°	6,73	9,16
M3L1-HB-30, blue, 470 nm , 14 cd, 17-20 mW at 350 mA, viewing angle 30°	6,02	8,20
M3L1-HB-60, blue, 470 nm , 12 cd, 17-20 mW at 350 mA, viewing angle 60°	6,02	8,20
M3L1-HB-120, blue, 470 nm , 10 cd, 17-20 mW at 350 mA, viewing angle 120°	6,02	8,20
M3L1-HC-120, cyan, 505 nm , 17 cd, 15-18 mW at 350 mA, viewing angle 120°	6,73	9,16
M3L1-HG-30, green, 525 nm , 25 cd, 13-17 mW at 350 mA, viewing angle 30°	6,46	8,80
M3L1-HG-60, green, 525 nm , 22 cd, 13-17 mW at 350 mA, viewing angle 60°	6,46	8,80
M3L1-HG-120, green, 525 nm , 20 cd, 13-17 mW at 350 mA, viewing angle 120°	6,46	8,80
M3L1-HY-30, yellow, 590 nm , 10 cd, 8-10 mW at 350 mA, viewing angle 30°	3,90	5,30
M3L1-HY-60, yellow, 590 nm , 8 cd, 8-10 mW at 350 mA, viewing angle 60°	3,90	5,30
M3L1-HY-120, yellow, 590 nm , 7 cd, 8-10 mW at 350 mA, viewing angle 120°	3,90	5,30
M3L1-HR-30, red, 625 nm , 10 cd, 20-25 mW at 350 mA, viewing angle 30°	3,90	5,30
M3L1-HR-120, red, 625 nm , 7 cd, 20-25 mW at 350 mA, viewing angle 120°	3,90	5,30
M3L1-660-30, red, 660 nm , 20-25 mW at 350 mA, viewing angle 30°	6,37	8,68
M3L1-670-30, red, 670 nm , 20-25 mW at 350 mA, viewing angle 30°	6,37	8,68
M3L1-680-30, red, 680 nm , 20-25 mW at 350 mA, viewing angle 30°	6,37	8,68
M3L1-740-60, IR, 740 nm , 28-35 mW at 350 mA, viewing angle 60°	6,37	8,68
M3L1-740-120, IR, 740 nm , 28-35 mW at 350 mA, viewing angle 120°	6,37	8,68
M3L1-760-30, IR, 760 nm , 28-35 mW at 350 mA, viewing angle 30°	6,37	8,68
M3L1-770-30, IR, 770 nm , 28-35 mW at 350 mA, viewing angle 30°	6,37	8,68
M3L1-830-30, IR, 830 nm , 110 mW at 500 mA, viewing angle 30°	6,37	8,68
M3L1-880-30, IR, 880 nm , 30-40 mW at 350 mA, viewing angle 30°	6,37	8,68
M3L1-905-30, IR, 905 nm , 25-30 mW at 350 mA, viewing angle 30°	6,37	8,68
M3L1-920-30, IR, 920 nm , 25-30 mW at 350 mA, viewing angle 30°	6,37	8,68
M3L1-940-30, IR, 940 nm , 25-30 mW at 350 mA, viewing angle 30°	6,37	8,68
M3L1-940-120, IR, 940 nm , 25-30 mW at 350 mA, viewing angle 120°	6,37	8,68
M3L1-970-30, IR, 970 nm , 350 mA, viewing angle 30°	6,37	8,68
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	9,01
RLT-BNP1000-02, blue, 470 nm , 11 lm, 350 mA, 60° full angle	5,67	7,72
RLT-GNP1000-02, green, 525 nm , 20 lm, 350 mA, 60° full angle	6,14	8,36
RLT-RUP1000-02, red, 630 nm , 10 lm, 350 mA, 60° full angle	2,84	3,86
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	3,86
RLT-BNP600-02, blue , 470 nm , 3 lm, 100 mA, 60° full angle	2,27	3,09
RLT-YUP600-02, yellow , 587 nm , 4 lm, 100 mA, 60° full angle	1,51	2,06
HIGH POWER LED 20 mm ALUMINIUM DISK PACKAGE - 1 WATT	EUR	USD
 high power LED, aluminium disk package, diameter 20 mm, 1x1 mm² 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	7,98
C20A1-HB-30, blue, 470 nm , 12-14 cd, 17-20 mW at 350 mA, Vf <4.0 V, 30°	5,67	7,72
C20A1-HC-30, cyan, 505 nm , 20 cd, 15-18 mW at 350 mA, Vf <4.0 V, 30°	5,86	7,98
C20A1-HR-30, red, 625 nm , 10 cd, 20-25 mW at 350 mA, Vf <2.8 V, 30°	3,12	4,25
C20A1-HR-60, red, 625 nm , 7.0-8.5 cd, 20-25 mW at 350 mA, Vf <2.8 V, 60°	3,12	4,25
C20A1-HR-120, red, 625 nm , 7.0-8.5 cd, 20-25 mW at 350 mA, Vf <2.8 V, 120°	3,12	4,25
C20A1-H650-30, red, 650 nm , 70 mW at 350 mA, Vf <2.2 V, 30°	5,48	7,46
C20A1-H660-30, red, 660 nm , 20-25 mW at 350 mA, Vf <2.5 V, 30°	5,48	7,46
C20A1-H670-30, red, 670 nm , 90 mW at 350 mA, Vf <2.0 V, 30°	5,48	7,46
C20A1-H680-30, red, 680 nm , 25-30 mW at 350 mA, Vf <2.5 V, 30°	5,48	7,46
C20A1-H690-30, red, 690 nm , 25-30 mW at 350 mA, Vf <2.5 V, 30°	5,48	7,46
C20A1-H720-30, IR, 720 nm , 28-35 mW at 350 mA, Vf <2.5 V, 30°	5,48	7,46
C20A1-H740-30, IR, 740 nm , 28-35 mW at 350 mA, Vf <2.5 V, 30°	5,48	7,46
C20A1-H740-60, IR, 740 nm , 28-35 mW at 350 mA, Vf <2.5 V, 60°	5,48	7,46
C20A1-H760-30, IR, 760 nm , 110 mW at 350 mA, Vf <2.5 V, 30°	5,48	7,46
C20A1-H770-30, IR, 770 nm , 28-35 mW at 350 mA, Vf <2.5 V, 30°	5,48	7,46
C20A1-H810-30, IR, 810 nm , 38-46 mW at 350 mA, Vf <2.5 V, 30°	5,48	7,46
C20A1-H820-30, IR, 820 nm , 38-46 mW at 350 mA, Vf <2.5 V, 30°	5,48	7,46
C20A1-H850-30, IR, 850 nm , 350 mA, Vf <3.0 V, 30°	5,48	7,46
C20A1-H870-30, IR, 870 nm , 350 mA, Vf <3.0 V, 30°	11,15	15,18
C20A1-H880-30, IR, 880 nm , 30-40 mW at 350 mA, Vf <2.5 V, 30°	5,48	7,46
C20A1-H890-30, IR, 890 nm , 90 mW at 350 mA, Vf <1.5 V, 30°	5,48	7,46
C20A1-H905-30, IR, 905 nm , 25-30 mW at 350 mA, Vf <2.5 V, 30°	5,48	7,46
C20A1-H940-30, IR, 940 nm , 25-30 mW at 350 mA, Vf <2.5 V, 30°	5,48	7,46
HIGH POWER RECTANGULAR LED 3 WATT	EUR	USD
 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	1-9 pcs.	1-9 pcs.
R-HP803NW, white , typ. 6000 K, 55 lm at 700 mA, Ub 4.0 V, 120°	7,20	9,80
R-HP803WW, warm white , typ. 3300 K, 45 lm at 700 mA, Ub 4.0 V, 120°	7,20	9,80
R-HP803NO, amber , 590 nm , 36 lm at 700 mA, Ub 3.0 V, 120°	6,35	8,64
HIGH POWER RGB LED 20 mm ALUMINIUM DISK PACKAGE - 3 x 1 WATT	EUR	USD
 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	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	7,68
C20C3-HYRB-60, 585 / 620 / 460 nm , 8 / 6 / 3 lm, 3 x 350 mA, viewing angle 60°	5,08	6,91
HIGH POWER RGB LED EMITTER PACKAGE - 3 POWER LED CHIPS	EUR	USD
 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	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	5,72
A6-RGB-3, 620/515/460nm , 23/45/12lm, 3x350mA, 3.0 W, +/- 40° 3x anode 3x cathode	6,50	8,85
A6-RGB-9, 620/515/460nm , 50/60/22lm, 3x700mA, 9.0 W, +/- 40° 3x anode 3x cathode	10,50	14,29

HIGH POWER RGB LED HEXAGONAL PACKAGE - 3 POWER LED CHIPS		EUR	USD
 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		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	6,40
	H6-RGB-3, 620/515/460nm , 23/45/12lm, 3x350mA, 3.0 W, +/- 40° 3x anode 3x cathode	7,00	9,53
	H6-RGB-9, 620/515/460nm , 50/60/22lm, 3x700mA, 9.0 W, +/- 40° 3x anode 3x cathode	11,10	15,11
HIGH POWER RGB LED EMITTER PACKAGE - 3 POWER LED CHIPS		EUR	USD
 high power RGB LED, emitter package		1-9 pcs.	1-9 pcs.
	AR58G05B24BC-A, 620/515/460 nm , 15/15.4/6lm, 3x350mA, 3 W, +/-40° common anode	11,70	15,93
	AR58G05B24BC-C, 620/515/460nm , 15/15.4/6lm, 3x350mA, 3W, +/- 40° common cath.	11,70	15,93
	AR57G62B66BC-C, 620/515/460 nm , 4.5/10/3 lm, 3 x 150 mA, 1.5 W, +/- 40°	7,18	9,77
HIGH POWER RGB LED HEXAGONAL PACKAGE - 3 POWER LED CHIPS		EUR	USD
 high power RGB LED, hexagonal aluminium PCB package		1-9 pcs.	1-9 pcs.
	H4-AR58G05B24BC-C, 620/515/460nm , 15/15.4/6 lm, 3x350mA, 3 W, +/- 40°, common -	12,20	16,61
	H4-AR58G05B24BC-A, 620/515/460nm , 15/15.4/6 lm, 3x350mA, 3 W, +/- 40°, common +	12,20	16,61
	H4-AR57G62B66BC-C, 620/515/460nm , 4.5/10/3 lm, 3x150mA, 1.5 W, +/- 40°, common -	7,72	10,51
HIGH POWER LEDS - OPTICS			
 diverse optics for high power LEDs material: polycarbonate designed for Luxeon		1-49 pcs.	1-49 pcs.
	10048, 4 degree half angle optic	4,12	5,60
	10049, 4 x 25 degree half angles optic	4,12	5,60
	10003, 6 degree half angle optic	3,14	4,28
	10003/15, 15 degree half angle optic	3,14	4,28
	10003/25, 25 degree half angle optic	3,14	4,28
	10003/L25, 6 x 25 degree half angles line optic	3,14	4,28
NARROW BEAM OPTIC FOR HIGH POWER LEDS (SINGLE EMITTER)		EUR	USD
 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%		1-9 pcs.	1-9 pcs.
	10158, 2 degree half angle spot optic, diameter 60 mm, height 11mm, polycarbonate	17,93	24,41
	10145, spreader lens for 10158 optic	1,22	1,66
	10146, holder for 10158 optic	0,32	0,44
LENS HOLDERS SERIES 100xx FOR HIGH POWER LEDS		EUR	USD
 diverse lens holders for 1, 3 and 5 watt power LEDs		1-49 pcs.	1-49 pcs.

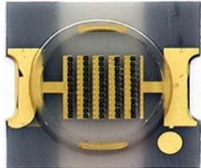
10012 , LED optic holder, round, black, for 1 watt LED	0,68	0,93
10026 , LED optic holder, hexagonal, black, for 1 watt LED	0,68	0,93
10043 , LED optic holder, hexagonal, black, for 3/5 watt LED	0,68	0,93
10045 , LED optic holder, hexagonal, clear, for 3/5 watt LED	0,68	0,93
10065 , 4° optic holder for 1W Luxeon, white, 17.15 x 22.7 mm	0,87	1,19
10076 , 4° optic holder for 3W / 5W Luxeon, black, 16.15 x 21.7 mm	0,87	1,19
10077 , 4° optic holder for 3W / 5W Luxeon, white, 16.15 x 21.7 mm	0,87	1,19
SPECIAL OPTIC FOR HIGH POWER LED FIBERCOUPLING	EUR	USD
 special focusing optic designed for coupling light of power LEDs into a 6 mm NA 0.48 fiber bundle material: polycarbonate	1-49 pcs.	1-49 pcs.
10034 , fiber coupling optic, designed for 8-12 mm, NA 0.50 fiber bundles	3,86	5,25
REFLECTORS FOR HIGH POWER LEDs	EUR	USD
 metalized reflectors, material polycarbonate available for power LEDs with lambertian lens design and for Acriche LEDs recommended optic for narrow beam generation	1-49 pcs.	1-49 pcs.
CLP17CR , 6° reflector for lambertian LED, metalized polycarbonate 17.5 x 10.7mm [DxH]	2,33	3,17
CLP20CR , 6° reflector for lambertian LED, metalized polycarbonate 20.5 x 15.7mm [DxH]	2,33	3,17
CLP23CR , 20° reflector for Acriche LED, metalized polycarbonate 23.0 x 13.3mm [DxH]	3,54	4,82
CLP28ACR , 12° reflector for Acriche LED, metalized polycarbonate 27.5 x 18.3mm [DxH]	3,54	4,82
HIGH POWER LED ARRAYS		
 high power LED array 6 power chips inside, jumbo package, wavelength 655 nm, 685 nm, 800 nm or 870 nm, M18 x 1mm thread mounting	1-9 pcs.	1-9 pcs.
FAT-655-40, 655 nm , 150 mW at 250 mA, 12.9 V, tr/tf 80/100 ns, 40°	63,00	85,77
FAT-685-40, 685 nm , 250 mW at 250 mA, 12.4 V, tr/tf 80/100 ns, 40°	63,00	85,77
FAT-800-40, 800 nm , 350 mW at 350 mA, 10 V, tr/tf 80/100 ns, 40°	46,20	62,90
FAT-870-40, 870 nm , 350 mW at 350 mA, 10 V, tr/tf 80/100 ns, 40°	46,20	62,90
HIGH POWER LED ARRAY 6 CHIPS JUMBO PACKAGE	EUR	USD
 high power LED array, 6 chips, Jumbo package, wavelengths at 590 nm, 640 nm, 660 nm, 810 nm, 880 nm, 920 nm, 950 nm M10 x 1.5 mm thread package	1-9 pcs.	1-9 pcs.
ELJ-595-225B, 590 nm , 12 mW at 100 mA, 15°, M10x1.5	26,50	36,08
ELJ-630-215, 630 nm , 58 mW at 100 mA, 12°, M10x1.5	26,50	36,08
ELJ-810-228B, 810 nm , 225 mW at 250 mA, 20°, M10x1.5	26,50	36,08
ELJ-880-228B, 880 nm , 260 mW at 250 mA, 20°, M10x1.5	26,50	36,08
ELJ-920-228B, 920 nm , 260 mW at 250 mA, 20°, M10x1.5	26,50	36,08
ELJ-950-228B, 950 nm , 170 mW at 250 mA, 20°, M10x1.5	26,50	36,08
HIGH POWER LED ARRAY 4 PARALLEL CHIPS 10 mm EPOXY	EUR	USD
 high power LED series, 4 parallel chips inside, If: 80 mA, 10 mm clear epoxy	1-99 pcs.	1-99 pcs.
10W43-HCA-H, white , 13-15 cd at 80 mA, Vf <4.0 V, 60°	2,80	3,81
10W43-HCA-4P, white , 20-25 lm at 80 mA, Vf <3.6 V, 50°	2,80	3,81
10B43-HCA-H, blue , 470 nm , 8-10 cd at 80 mA, Vf <4.0 V, 60°	2,68	3,65
10C43-HCA-H, cyan , 505 nm , 9-12 cd at 80 mA, Vf <4.0 V, 60°	2,88	3,92

10G43-HCA-H, green, 525 nm , 15-18 cd at 80 mA, Vf <3.8 V, 60°	2,88	3,92
10Y43-HCA-H, yellow, 590 nm , 7-8 cd at 80 mA, Vf <2.2 V, 60°	1,48	2,01
HIGH POWER LED ARRAY 4 PARALLEL CHIPS 10 mm EPOXY	EUR	USD
 high power LED series 4 parallel chips inside, If: 80 mA, 10 mm clear epoxy copper lead frame	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	4,96
10W4DHCB-H, white , 13-15 cd at 80 mA, Vf <4.0 V, 180°	2,92	3,98
10B4DHCB-H, blue, 470 nm , 8-10 cd at 80 mA, Vf <4.0 V, 180°	2,80	3,81
10C4DHCB-H, cyan, 505 nm , 9-11 cd at 80 mA, Vf <4.0 V, 180°	3,00	4,08
10G4DHCB-H, green, 525 nm , 15-18 cd at 80 mA, Vf <3.8 V, 180°	3,00	4,08
10Y4DHCB-H, yellow, 590 nm , 8-9 cd at 80 mA, Vf <2.2 V, 180°	1,60	2,18
10R4DHCB-H, red, 625 nm , 7-8 cd at 80 mA, Vf <2.2 V, 180°	1,60	2,18
HIGH POWER LED ARRAY 4 PARALLEL CHIPS square EPOXY	EUR	USD
 high power LED series 4 parallel chips inside, If: 80 mA, clear epoxy package base size: 7.6 x 7.6 mm²	1-99 pcs.	1-99 pcs.
5W4S2HCA, white , 5-8 cd at 80 mA, Vf <4.0 V, +/-90°	1,68	2,29
5B4S2HCA, blue, 470 nm , 3-6 cd at 80 mA, Vf <4.0 V, +/-90°	1,39	1,90
5G4S2HCA, green, 528 nm , 7-10 cd at 80 mA, Vf <4.0 V, +/-90°	1,81	2,46
5Y4S2HCA, yellow, 590 nm , 3-6 cd at 80 mA, Vf <2.2 V, +/-90°	0,86	1,18
5R4S2HCA, red, 622 nm , 3-6 cd at 80 mA, Vf <2.2 V, +/-90°	0,83	1,13
HIGH POWER LED ARRAY ALUMINIUM PLATE PACKAGE	EUR	USD
 high power LED array aluminium plate package with 3 x 1 mm² power chips onboard. LED chips connected in parallel. Size: 35 mm diameter	1-9 pcs.	1-9 pcs.
35L3-HW-60, white , 20 cd at 1050 mA, Vf <4.0 V, 60°	17,50	23,82
35L3-HU-60, UV, 395-405 nm , 3 x 16 mW at 1050 mA, Vf <4.0 V, 60°	19,50	26,55
35L3-HB-60, blue, 470 nm , 28 cd, 3 x 18 mW at 1050 mA, Vf <4.0 V, 60°	16,90	23,01
35L3-HC-60, cyan, 505 nm , 36 cd, 3 x 17 mW at 1050 mA, Vf <4.0 V, 60°	19,50	26,55
35L3-HG-60, green, 525 nm , 28 cd, 3 x 15 mW at 1050 mA, Vf <3.8 V, 60°	18,50	25,19
35L3-HY-60, amber, 590 nm , 24 cd, 3 x 10 mW at 1050 mA, Vf <2.8 V, 60°	9,50	12,93
35L3-HR-60, red, 625 nm , 20 cd, 3 x 22 mW at 1050 mA, Vf <2.8 V, 60°	9,50	12,93
35L3-H850-60, IR, 850 nm , xxx mW at 1500 mA, Vf <2.5 V, 60°	18,50	25,19
35L3-H880-60, IR, 880 nm , 3 x 45 mW at 1500 mA, Vf <2.4 V, 60°	18,50	25,19
35L3-H940-60, IR, 940 nm , 3 x 40 mW at 1500 mA, Vf <2.2 V, 60°	18,50	25,19
HIGH POWER LED ARRAY ALUMINIUM PLATE PACKAGE	EUR	USD
 high power LED array aluminium plate package 8 x 1 mm² power chips onboard. total 8 W electrical power size: 38 mm diameter	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	51,73
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	44,24
C38A8-HC-30, cyan, 505 nm , 8 x 10 lm, 4 x 350 mA, Vf: 4 x typ. 7.2 V, 30°	35,50	48,33
C38A8-HY-30, amber, 590 nm , 8 x 10 lm, 4 x 350 mA, Vf: 4 x typ. 4.1 V, 30°	23,00	31,31
C38A8-H850-30, IR, 850 nm , 8 x 40 mW, 4 x 300 mA, Vf: 4 x typ. 2.9 V, 30°	40,50	55,14
C38A8-H880-30, IR, 880 nm , 8 x 40 mW, 4 x 300 mA, Vf: 4 x typ. 2.8 V, 30°	40,50	55,14
HIGH POWER LED ARRAY ALUMINIUM PLATE PACKAGE	EUR	USD

	high power LED array aluminium plate package 24 x 3528 SMD LEDs onboard. size: 42.1 mm diameter		
L2X2-V4YL, 395 nm , 24 x 5 mW, 160 mA, Uf: 12 VDC, 120°		11,10	15,11
L2X2-V6YL, 415 nm , 24 x 5 mW, 160 mA, Uf: 12 VDC, 120°		9,65	13,14
L2X2-I3CA, 850 nm , 24 x 20 mW/sr, 400 mA, Uf: 6 VDC, 120°		7,25	9,87
L2X3-I3CA, 850 nm , 24 x 20 mW/sr, 130 mA, Uf: 12 VDC, 120°		7,25	9,87
L2X2-I5LA, 940 nm , 24 x 20 mW/sr, 400 mA, Uf: 6 VDC, 120°		6,20	8,44
L2X3-I5LA, 940 nm , 24 x 20 mW/sr, 130 mA, Uf: 12 VDC, 120°		6,20	8,44
MULTI WATT LED ENGINES		EUR	USD
	ULTRA high power LED light engines • USB/serial PC Interface for monitoring • software included • ready to operate • up to 1000lm • thermal protection system	1-9 pcs.	1-9 pcs.
UNO18 AIR LE WHITE, white , 18W, air cooled light engine, white		169,60	230,89
UNO18 AIR LE NIR, 870 nm , 18W, air cooled light engine, near infrared		169,60	230,89
SUPER HIGH POWER LED ARRAY ALUMINIUM-PCB PACKAGE		EUR	USD
	high power LED array, metal PCB package with 12 parallel 1 mm² power chips, 30°. Size: 72 x 32 mm²	1-5 pcs.	1-5 pcs.
RLT-MIL470-12W-30, white , 12 power chips, 4.2A, 4.7V, 30°		76,27	103,83
RLT-MIL505-12C-30, cyan, 505 nm , 12 power chips, 12 x 18 mW at 4.2A, 4.5V, 30°		80,08	109,02
RLT-MIL590-12A-30, amber, 590 nm , 12 power chips, 12 x 10 mW at 4.2A, 3.3V, 30°		50,72	69,05
RLT-MIL630-12R-30, red, 630 nm , 12 power chips, 12 x 24 mW at 4.2A, 3.3V, 30°		50,72	69,05
RLT-MIL780-12I-30, IR, 780 nm , 12 power chips, 12 x 100 mW at 4.2A, 2.5V, 30°		91,53	124,60
RLT-MIL810-12I-30, IR, 810 nm , 12 power chips, 12 x 150 mW at 4.2A, 2.5V, 30°		91,53	124,60
RLT-MIL850-12I-30, IR, 850 nm , 12 power chips, 12 x 160 mW at 4.2A, 2.5V, 30°		91,53	124,60
RLT-MIL880-12I-30, IR, 880 nm , 12 power chips, 12 x 120 mW at 4.2A, 2.5V, 30°		91,53	124,60
RLT-MIL940-12I-30, IR, 940 nm , 12 power chips, 12 x 120 mW at 4.2A, 2.3V, 30°		91,53	124,60
HIGH POWER LED ARRAY ALUMINIUM PLATE PACKAGE		EUR	USD
	high power LED array 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	1-9 pcs.	1-9 pcs.
RLT-BA1000-02, 3x3 array, 470 nm , 100 lm, 1.05 A at 10.2 V, 60°		64,00	87,13
RLT-GA1000-02, 3x3 array, 525 nm , 140 lm, 1.05 A at 10.5 V, 60°		62,00	84,40
HIGH POWER LED ARRAY METAL PLATE PACKAGE		EUR	USD
		1-9 pcs.	1-9 pcs.
ELM-875-8x24-2, IR, 870 nm , 720 mW at 500 mA, Uf: 7.0 V, 25°, size: 24 x 8 x 5.5 mm³		72,00	98,02
ELM-910-927, IR, 910 nm +/-10 nm , 390 mW at 500 mA, 20°, size: 24 x 8 x 5.5 mm³		72,00	98,02
HIGH POWER LED ARRAY METAL PLATE PACKAGE		EUR	USD
	high power LED arrays for illumination purposes	1-9 pcs.	1-9 pcs.

szss20@163.com TEL: 0755-83376489 FAX:0755-83376182 E-MAIL:szss20@163.com

ELA-920-22x60, IR, 920 nm , 2 x 10 emitters, 22 x 60 mm ² , 1 W	92,22	125,55
HIGH POWER LED ARRAY 4 POWER CHIPS TO-3 PACKAGE	EUR	USD
 high power LED array TO-3 package with 4 power LED chips inside, 2 x 2 matrix diverse wavelengths available on request	1-9 pcs.	1-9 pcs.
TO3A4-H390-180, UV, 382-390 nm , 200 mW at 1.4 A, Uf: 4.1 V, +/-90°, TO-3	63,00	85,77
TO3A4-HU-180, UV, 395-405 nm , 65 mW at 1.4 A, Uf: 4.5 V, +/-90°, TO-3	23,80	32,40
TO3A4-HB-180, blue, 470 nm , 90 mW at 1.4 A, Uf: 4.4 V, +/-90°, TO-3	19,40	26,41
TO3A4-HW-180, white , 70 cd at 1.4 A, Uf: 4.1 V, +/-90°, TO-3	21,20	28,86
TO3A4-HY-180, amber, 590 nm , 160 mW at 1.4 A, Uf: 2.6 V, +/-90°, TO-3	14,40	19,60
TO3A4-HR-180, red, 630 nm , 110 mW at 1.4 A, Uf: 2.5 V, +/-90°, TO-3	14,40	19,60
TO3A4-H650-180, red, 650 nm , 130 mW at 1.4 A, Uf: 2.5 V, +/-90°, TO-3	25,40	34,58
TO3A4-H660-180, red, 660 nm , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	34,58
TO3A4-H670-180, red, 670 nm , 200 mW at 1.4 A, Uf: 2.5 V, +/-90°, TO-3	25,40	34,58
TO3A4-H680-180, red, 680 nm , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	34,58
TO3A4-H690-180, red, 690 nm , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	34,58
TO3A4-H720-180, IR, 720 nm , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	34,58
TO3A4-H740-180, IR, 740 nm , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	34,58
TO3A4-H760-180, IR, 760 nm , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	34,58
TO3A4-H770-180, IR, 770 nm , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	34,58
TO3A4-H780-180, IR, 780 nm , 270 mW at 1.4 A, Uf: 2.2 V, +/-90°, TO-3	25,40	34,58
TO3A4-H810-180, IR, 810 nm , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	34,58
TO3A4-H820-180, IR, 820 nm , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	34,58
TO3A4-H880-180, IR, 880 nm , 200 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	34,58
TO3A4-H890-180, IR, 890 nm , 200 mW at 1.4 A, Uf: 1.9 V, +/-90°, TO-3	25,40	34,58
TO3A4-H905-180, IR, 905 nm , 150 mW at 1.2 A, Uf: 1.7 V, +/-90°, TO-3	25,40	34,58
TO3A4-H940-180, IR, 940 nm , 150 mW at 1.2 A, Uf: 1.7 V, +/-90°, TO-3	25,40	34,58
HIGH POWER LED ARRAY 12 POWER CHIPS TO-66 PACKAGE	EUR	USD
 high power LED array TO-66 package with 12 power LED chips inside, 4 x 3 matrix, white	1-9 pcs.	1-9 pcs.
LED47W-66-12100, +/-60°, white , +/-60°, TO-66	151,97	206,89
HIGH POWER LED ARRAY 16 POWER CHIPS TO-66 PACKAGE	EUR	USD
 high power LED array TO-66 package with 16 power LED chips inside, 4 x 4 matrix, white	1-9 pcs.	1-9 pcs.
LED47W-66-16100, white , 80 lm at 1.2 A, Uf: 13 V, +/-60°, TO-66	185,54	252,59
HIGH POWER LED ARRAY 16 POWER CHIPS TO-66 PACKAGE	EUR	USD
 high power LED array TO-66 package with 16 power LED chips inside, 4 x 4 matrix, flat glass window, hermetic sealed	1-9 pcs.	1-9 pcs.
LED360-66-16100-100, UV, 360 nm , +/-60°, TO-66	622,01	846,79
LED365V-66-16100-100, UV, 365 nm , 4 W at 2 A, Uf: 14 V, +/-52°, TO-66	540,00	735,14
LED385-66-16100-110, UV, 385 nm , 170 mW at 200 mA, Uf: 13 V, +/-60°, TO-66	388,76	529,25
LED395-66-16100-110, UV, 395 nm , 1 W at 1 A, Uf: 13 V, +/-60°, TO-66	388,76	529,25
LED415-66-16100-110, UV, 415 nm , +/-60°, TO-66	388,76	529,25

 high power LED array TO-66 package with 16 power LED chips inside, 4 x 4 matrix, silicone + epoxy lens	1-9 pcs.	1-9 pcs.
LED385-66-16100, UV, 385 nm , +/-60°, TO-66	328,67	447,44
LED415-66-16100, UV, 415 nm , +/-60°, TO-66	328,67	447,44
LED470-66-16100, blue, 470 nm , 420 mW at 1.2 A, Uf: 14 V, +/-60°, TO-66	180,24	245,37
LED660N-66-16100, red, 660 nm , 2.8 W at 1.4A, Uf: 9.2 V, +/-60°, TO-66	109,56	149,15
LED680-66-16100, red, 680 nm , 450 mW at 1.4 A, Uf: 7.7 V, +/-60°, TO-66	189,08	257,41
LED720-66-16100, IR, 720 nm , 550 mW at 1.4 A, Uf: 7.4 V, +/-60°, TO-66	189,08	257,41
LED730-66-16100, IR, 730 nm , 600 mW at 1.4 A, Uf: 7.4 V, +/-60°, TO-66	189,08	257,41
LED735-66-16100, IR, 735 nm , +/-60°, TO-66	172,29	234,55
LED740-66-16100, IR, 740 nm , 450 mW at 1.4 A, Uf: 5.5 V, +/-60°, TO-66	172,29	234,55
LED780-66-16100, IR, 780 nm , 2.8 W at 3.2 A, Uf: 8.0 V, +/-60°, TO-66	172,29	234,55
LED790-66-16100, IR, 790 nm , +/-60°, TO-66	166,10	226,12
LED810-66-16100, IR, 810 nm , 900 mW at 1.4 A, Uf: 6.8 V, +/-60°, TO-66	166,10	226,12
LED840-66-16100, IR, 840 nm , +/-60°, TO-66	166,10	226,12
LED850-66-16100, IR, 850 nm , +/-60°, TO-66	132,53	180,42
LED870-66-16100, IR, 870 nm , +/-60°, TO-66	132,53	180,42
LED920-66-16100, IR, 920 nm , 650 mW at 2.0 A, Uf: 5.5 V, +/-60°, TO-66	90,12	122,69
LED940-66-16100, IR, 940 nm , +/-60°, TO-66	90,12	122,69
LED950-66-16100, IR, 950 nm , 750 mW at 2.0 A, Uf: 5.5 V, +/-60°, TO-66	90,12	122,69
HIGH POWER LED ARRAY 60 CHIPS CERAMIC SMD PACKAGE	EUR	USD
 high power LED array AlN ceramic package with 60 chips onboard, 352 nm - 1550 nm available, clear silicone mold window, UV resistant size: 18 x 14 x 1.5 mm³	1-9 pcs.	1-9 pcs.
SMAL850, 850 nm , 1.1 W at 0.8 A, 5.5 W at 4 A pulse, 60 chips, 18x14 mm ² SMD ceramic	124,58	169,60
further wavelengths available on request		
HIGH POWER UVLED ARRAY 60 CHIPS TO-66 GLASS WINDOW	EUR	USD
 TO-66 high power UVLED array flat glass window 60 chips array inside (6x10 chips on a 50 mm² footprint) 365 nm - 435 nm available	1-9 pcs.	1-9 pcs.
LED365-66-60-110, 365 nm , 80 mW at 200 mA, TO-66, 60 chips, flat glass window	263,29	358,44
LED375-66-60-110, 375 nm , 150 mW at 200 mA, TO-66, 60 chips, flat glass window	263,29	358,44
LED385-66-60-110, 385 nm , 150 mW at 240 mA, TO-66, 60 chips, flat glass window	263,29	358,44
LED395-66-60-110, 395 nm , 240 mW at 240 mA, TO-66, 60 chips, flat glass window	263,29	358,44
LED405-66-60-110, 405 nm , 300 mW at 400 mA, TO-66, 60 chips, flat glass window	252,69	344,00
LED415-66-60-110, 415 nm , 300 mW at 240 mA, TO-66, 60 chips, flat glass window	252,69	344,00
LED420-66-60-110, 420 nm , 550 mW at 400 mA, TO-66, 60 chips, flat glass window	252,69	344,00
LED430-66-60-110, 430 nm , 550 mW at 400 mA, TO-66, 60 chips, flat glass window	252,69	344,00
LED435-66-60-110, 435 nm , TO-66, 60 chips, flat glass window	252,69	344,00
LEDW47-66-60-110, white , 13 cd at 240 mA, TO-66, flat glass window	199,68	271,84
HIGH POWER LED ARRAY 60 CHIPS TO-66 SILICONE/EPOXY RESIN	EUR	USD
 TO-66 high power UVLED array Silicone/Epoxy Resin 60 chips array inside (6x10 chips on a 50 mm² footprint) 365 nm - 1550 nm available	1-9 pcs.	1-9 pcs.
LED365-66-60, 365 nm , 80 mW at 200 mA, TO-66, 60 chips, silicone resin	197,91	269,43
LED375-66-60, 375 nm , 150 mW at 200 mA, TO-66, 60 chips, silicone resin	197,91	269,43
LED385-66-60, 385 nm , 150 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	197,91	269,43
LED395-66-60, 395 nm , 250 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	197,91	269,43
LED405-66-60, 405 nm , 310 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	197,91	269,43
LED420-66-60, 420 nm , 550 mW at 400 mA, TO-66, 60 chips, silicone / epoxy resin	197,91	269,43
LED430-66-60, 430 nm , 550 mW at 400 mA, TO-66, 60 chips, silicone / epoxy resin	197,91	269,43

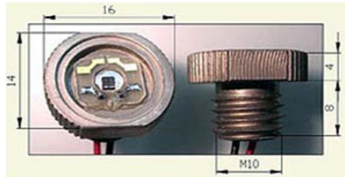
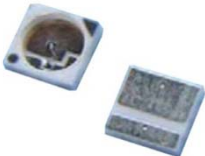
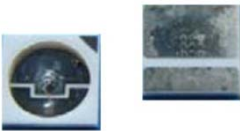
LED435-66-60, 435 nm , 550 mW at 400 mA, TO-66, 60 chips, silicone / epoxy resin	197,91	269,43
LED450-66-60, 450 nm , 40 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	150,20	204,48
LED470-66-60, 470 nm , 4.5 cd 120 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	150,55	204,95
LEDW47-66-60, white , 13 cd at 240 mA, TO-66, silicone / epoxy resin	185,54	252,59
LED505-66-60, 505 nm , 60 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	180,24	245,37
LED525-66-60, 525 nm , 7 cd 120 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	180,24	245,37
LED530-66-60, 530 nm , 7 cd 120 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	179,00	243,69
LED550-66-60, 540 nm , 210 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	443,51	603,78
LED565-66-60, 565 nm , 1.25 cd 8 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	58,31	79,38
LED570-66-60, 570 nm , 7 cd 36 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	109,91	149,63
LED590-66-60, 590 nm , 60 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	102,84	140,00
LED620-66-60, 620 nm , 7 cd 120 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	102,84	140,00
LED630-66-60, 630 nm , 7 cd 140 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	102,84	140,00
LED645-66-60, 645 nm , 7 cd 120 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	102,84	140,00
LED660-66-60, 660 nm , 3.5 cd 180 mW at 240 mA, TO-66, 60 chips --> phase out	38,10	51,87
LED660N-66-60, 660 nm , 62.8 cd 2.4 W at 1.2 A, TO-66, 60 chips, silicone / epoxy resin	93,30	127,02
LED670-66-60, 670 nm , 450 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	190,84	259,80
LED680-66-60, 680 nm , 300 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	172,29	234,55
LED690-66-60, 690 nm , 300 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	172,29	234,55
LED700-66-60, 700 nm , 300 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	172,29	234,55
LED720-66-60, 720 nm , 550 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	172,29	234,55
LED735-66-60, 735 nm , 1 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	150,20	204,48
LED740-66-60, 740 nm , 1 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	150,20	204,48
LED750-66-60, 750 nm , 1 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	150,20	204,48
LED760-66-60, 760 nm , 1 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	150,20	204,48
LED780-66-60, 780 nm , 1.0 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	150,20	204,48
LED790-66-60, 790 nm , 1.0 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	144,90	197,26
LED810-66-60, 810 nm , 1.0 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	144,90	197,26
LED830-66-60, 830 nm , 1.0 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	144,90	197,26
LED840-66-60, 840 nm , TO-66, 60 chips, silicone / epoxy resin	144,90	197,26
LED850-66-60, 850 nm , 1.5 W at 800 mA, TO-66, 60 chips, silicone / epoxy resin	120,16	163,58
LED870-66-60, 870 nm , 1.5 W at 800 mA, TO-66, 60 chips, silicone / epoxy resin	120,16	163,58
LED880-66-60, 880 nm , 1.5 W at 800 mA, TO-66, 60 chips, silicone / epoxy resin	120,16	163,58
LED890-66-60, 890 nm , 0.85 W at 800 mA, TO-66, 60 chips, silicone / epoxy resin	109,91	149,63
LED910-66-60, 910 nm , 600 mW at 800 mA, TO-66, 60 chips, silicone / epoxy resin	144,90	197,26
LED940-66-60, 940 nm , 1.2 W at 0.8 A, 7W at 5A, TO-66, 60 chips, silicone / epoxy resin	81,64	111,14
LED950-66-60, 950 nm , xxx m W at xxx mA, TO-66, 60 chips, silicone / epoxy resin	81,64	111,14
LED970-66-60, 970 nm , 500 mW at 800 mA, TO-66, 60 chips, silicone / epoxy resin	97,19	132,31
LED980-66-60, 980 nm , 150 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	116,63	158,78
LED990-66-60, 990 nm , 100 mW at 600 mA, 6.5V, TO-66, 60 chips, silicone / epoxy resin	208,00	283,16
LED1050-66-60, 1050 nm , 120 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	441,77	601,41
LED1070-66-60, 1070 nm , 60 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	441,77	601,41
LED1200-66-60, 1200 nm , 60 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	441,77	601,41
LED1300-66-60, 1300 nm , 140 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	441,77	601,41
LED1450-66-60, 1450 nm , 60 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	441,77	601,41
LED1550-66-60, 1550 nm , 60 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	441,77	601,41
further wavelengths available on request		

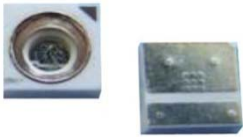
HEAT SINKS FOR TO66 HIGH POWER LEDs

	EUR	USD
 heat sink 47 x 20 mm for TO66 high power LEDs	1-9 pcs.	1-9 pcs.
Heat Sink 47x20, for TO66, black aluminium, 47.5 x 20 mm, 54 g	9,33	12,70

	1-9 pcs.	1-9 pcs.
Heat Sink 47x10, for TO66, black aluminium, 47.5 x 20 mm, 27 g	6,15	8,37
 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	1,73
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	23,67
 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	23,67
 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	43,56
POWER SUPPLIES FOR HIGH POWER LEDs		
PTDCC constant current drivers	EUR	USD
 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	1-9 pcs.	1-9 pcs.
PTDCC/350/12-24, 350 mA , 9 - 24 VDC, 3W, 40 x 42 x 21 mm ³	15,80	21,51
 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	1-9 pcs.	1-9 pcs.
PTDCC/3/350, 350 mA , 95 - 240 VAC, 3 W, 40 x 42 x 21 mm ³	16,38	22,30
PTDCC/10/350, 350 mA , 95 - 240 VAC, 10 W, 34 x 115 x 19 mm ³	17,80	24,23
PTDCC/10/U/350, 350mA , 95-240VAC, 8 W, 34x115x19mm ³ , complies UL1310 -> USA	17,80	24,23
PTDCC/10/500, 500 mA , 95 - 240 VAC, 9 W, 34 x 115 x 19 mm ³	20,01	27,24
PTDCC/10/700, 700 mA , 95 - 240 VAC, 9 W, 34 x 115 x 19 mm ³	20,06	27,29

	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	1-9 pcs.	1-9 pcs.
PTDCC/15/350, 350 mA , 220 - 240 VAC, 17 W, 38 x 123 x 21 mm ³		28,35	38,59
PTDCC/15/700, 700 mA , 220 - 240 VAC, 17 W, 38 x 123 x 21 mm ³		21,00	28,59
	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	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	26,96
PTDCCL/10/700, 700 mA , 95 - 240 VAC, 10 W, 22 x 145 x 22 mm ³		23,80	32,40
LEDS - INDUSTRIAL ILLUMINATION			
IDLT series		EUR	USD
	industrial series high power LED array alu PCB design, diameter 55 mm brightness up to 1200 lm	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	9,33
IDLT018-CW6, white , 5000-10000 K, 430 lm, +/- 75°, If = 640 mA, Uf = 9.0 - 11.0 V		10,44	14,21
IDLT018-CW9, white , 5000-10000 K, 720 lm, +/- 75°, If = 960 mA, Uf = 9.0 - 11.0 V		14,35	19,54
IDLT018-WW3, warm white , 2700-4500 K, 200 lm, +/- 75°, If=320mA, Uf = 9.0 - 11.0 V		6,85	9,33
IDLT018-WW6, warm white , 2700-4500 K, 410 lm, +/- 75°, If=640mA, Uf = 9.0 - 11.0 V		10,44	14,21
IDLT018-WW9, warm white , 2700-4500 K, 700 lm, +/- 75°, If=960mA, Uf = 9.0 - 11.0 V		14,35	19,54
	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	6,40
IDLT021-WW1, warm white , 2700-4500 K, 110 lm, +/- 75°, If = 120 mA, Uf = 9.0 - 11.0V		4,70	6,40
	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 , 5000-1000 K, 115 lm, +/- 75°, If = 20 mA, Uf = 70 - 82 V		4,70	6,40
IDLT021-WW1HV, warm white , 2700-4500 K, 110 lm, +/- 75°, If = 20 mA, Uf = 70 - 82 V		4,70	6,40
	industrial series high power LED array alu PCB design 120 x 10 x 1.7 mm brightness 265 lm	1-5 pcs.	1-5 pcs.
IDLT017-WW3, warm white , 2700-4500 K, 250lm, +/- 75°, If=240 mA, Uf = 11.2 - 13.5 V		7,05	9,60
	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	9,60

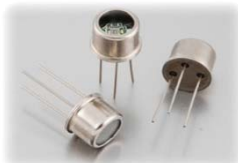
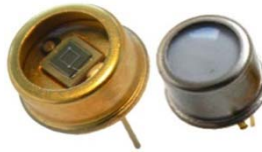
LEDS - MID-IR		
	EUR	USD
 MID-IR LEDs in TO-39 package with integrated immersion lens	1-5 pcs.	1-5 pcs.
IR S-LED 4.70, peak 4.7 um , >20 uW at 1A / 5 us, 500 Hz, +/-15°	172,92	235,40
IR S-LED 4.80, peak 4.8 um , >20 uW at 1A / 5 us, 500 Hz, +/-15°	210,42	286,45
IR S-LED 5.30, 5.3-5.5 um , >10 uW at 1A / 5 us, 500 Hz, +/-15°	210,42	286,45
IR S-LED 7.00, 6.5-7.0 um , >5 uW at 1A / 5 us, 500 Hz, +/-15°	125,00	170,17
MID-IR LEDS TO-39 PACKAGE WITH IMMERSION LENS	EUR	USD
 optically pumped MID-IR LEDs in TO-39 package with integrated immersion lens cw and pulsed mode operation	1-5 pcs.	1-5 pcs.
MIRO36-35-39CL, 3.6 um , 0.30 mW at 1A/10 us pulse, 25 uW at 50 mA, 35° FWHM	68,00	92,57
MIRO39-35-39CL, 3.9 um , 0.25 mW at 1A/10 us pulse, 20 uW at 50 mA, 35° FWHM	68,00	92,57
MID-IR OPTICALLY PUMPED POWER LEDS	EUR	USD
 fast optically pumped MID-IR POWER LEDs cw and pulsed mode operation tr,tf <100 ns, 6 LED chips in series	1-5 pcs.	1-5 pcs.
MIRO39A6, 3.9 um , 0.65 mW at 0.3A pulse, 0.19 mW cw at 70 mA, 120°, M10x1 thread	54,00	73,51
MID-IR LEDs SMD PACKAGE (3x3x2 mm)	EUR	USD
 MID-IR LEDs in ceramic SMD package. LTCC material (low temperature co-fired ceramic) thermal conductivity 25 W/mK thermal resitance 8°C/W size: 3.0x3.0x2.0 mm	1-5 pcs.	1-5 pcs.
LED18-SMD3, 1.85 um, 0.9 mW at 200 mA	100,80	137,23
LED19-SMD3, 1.95 um, 1 mW at 200 mA	100,80	137,23
LED20-SMD3, 2.05 um, 1.1 mW at 200 mA	100,80	137,23
LED21-SMD3, 2.15 um, 1.1 mW at 200 mA	100,80	137,23
LED22-SMD3, 2.25 um, 1.1 mW at 200 mA	100,80	137,23
LED23-SMD3, 2.35 um, 0.8 mW at 200 mA	100,80	137,23
LED29-SMD3, 2.9 um, 0.008 mW at 200 mA	102,61	139,69
LED34-SMD3, 3.4 um, 0.024 mW at 200 mA	100,80	137,23
LED34-HIGH-SMD3, 3.4 um, 0.065 mW at 200 mA	151,20	205,84
LED35-SMD3, 3.55 um, 0.016 mW at 200 mA	102,61	139,69
LED36-SMD3, 3.6 um, 0.016 mW at 200 mA	100,80	137,23
LED38-SMD3, 3.8 um, 0.016 mW at 200 mA	100,80	137,23
LED39-SMD3, 3.9 um, 0.02 mW at 200 mA	100,80	137,23
LED41-SMD3, 4.1 um, 0.02 mW at 200 mA	100,80	137,23
LED43-SMD3, 4.3 um, 0.01 mW at 200 mA	100,80	137,23
LED46-SMD3, 4.6 um, 0.006 mW at 200 mA	100,80	137,23
MID-IR LEDs SMD PACKAGE (5x5x2 mm)	EUR	USD
 MID-IR LEDs in ceramic SMD package. LTCC material (low temperature co-fired ceramic) thermal conductivity 25 W/mK thermal resitance 8°C/W size: 5.0x5.0x2.0 mm		
LED16FC-SMD5, 1.65 um, 1.2 mW at 200 mA, flip-chip	179,20	243,96
LED17FC-SMD5, 1.75 um, 1.2 mW at 200 mA, flip-chip	179,20	243,96

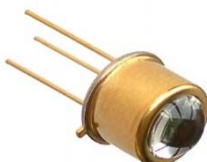
LED18-SMD5, 1.85 um, 0.9 mW at 200 mA	100,80	137,23
LED18FC-SMD5, 1.85 um, 0.9 mW at 200 mA, flip-chip	179,20	243,96
LED19-SMD5, 1.95 um, 1 mW at 200 mA	100,80	137,23
LED19FC-SMD5, 1.95 um, 1 mW at 200 mA, flip-chip	179,20	243,96
LED20-SMD5, 2.05 um, 1.1 mW at 200 mA	100,80	137,23
LED20FC-SMD5, 2.0 um, 1.2 mW at 200 mA, flip-chip	179,20	243,96
LED21-SMD5, 2.15 um, 1.1 mW at 200 mA	100,80	137,23
LED21FC-SMD5, 2.15 um, 1.2 mW at 200 mA, flip-chip	179,20	243,96
LED22-SMD5, 2.25 um, 1.1 mW at 200 mA	100,80	137,23
LED22FC-SMD5, 2.2 um, 1.1 mW at 200 mA, flip-chip	179,20	243,96
LED23-SMD5, 2.35 um, 0.8 mW at 200 mA	100,80	137,23
LED23FC-SMD5, 2.35 um, 0.8 mW at 200 mA, flip-chip	179,20	243,96
LED29-SMD5, 2.9 um, 0.008 mW at 200 mA	100,00	136,14
LED34-SMD5, 3.4 um, 0.024 mW at 200 mA	100,80	137,23
LED34-HIGH-SMD5, 3.4 um, 0.065 mW at 200 mA	151,20	205,84
LED34FC-SMD5, 3.4 um, 0.035 mW at 200 mA, flip-chip	179,20	243,96
LED35-SMD5, 3.55 um, 0.016 mW at 200 mA	100,00	136,14
LED36-SMD5, 3.6 um, 0.016 mW at 200 mA	100,80	137,23
LED37FC-SMD5, 3.75 um, 0.03 mW at 200 mA, flip-chip	179,20	243,96
LED38-SMD5, 3.8 um, 0.016 mW at 200 mA	100,80	137,23
LED39-SMD5, 3.9 um, 0.02 mW at 200 mA	100,80	137,23
LED41-SMD5, 4.1 um, 0.02 mW at 200 mA	100,80	137,23
LED43-SMD5, 4.3 um, 0.01 mW at 200 mA	100,80	137,23
LED46-SMD5, 4.6 um, 0.006 mW at 200 mA	100,80	137,23
MID-IR LEDs SMD PACKAGE WITH MICROREFLECTOR	EUR	USD
 MID-IR LEDs in ceramic SMD package. LTCC material (low temperature co-fired ceramic) thermal conductivity 25 W/mK thermal resistance 8°C/W size: 5.0x5.0x2.0 mm, with microreflector	1-5 pcs.	1-5 pcs.
LED18-SMD5R, 1.85 um, 0.9 mW at 200 mA, microreflector	112,00	152,47
LED19-SMD5R, 1.95 um, 1 mW at 200 mA, microreflector	112,00	152,47
LED20-SMD5R, 2.05 um, 1.1 mW at 200 mA, microreflector	112,00	152,47
LED21-SMD5R, 2.15 um, 1.1 mW at 200 mA, microreflector	112,00	152,47
LED22-SMD5R, 2.25 um, 1.1 mW at 200 mA, microreflector	112,00	152,47
LED23-SMD5R, 2.35 um, 0.8 mW at 200 mA, microreflector	112,00	152,47
LED29-SMD5R, 2.9 um, 0.008 mW at 200 mA, microreflector	113,10	153,97
LED34-SMD5R, 3.4 um, 0.024 mW at 200 mA, microreflector	112,00	152,47
LED34-HIGH-SMD5R, 3.4 um, 0.065 mW at 200 mA, microreflector	162,40	221,09
LED35-SMD5R, 3.55 um, 0.016 mW at 200 mA, microreflector	113,10	153,97
LED36-SMD5R, 3.6 um, 0.016 mW at 200 mA, microreflector	112,00	152,47
LED38-SMD5R, 3.8 um, 0.016 mW at 200 mA, microreflector	112,00	152,47
LED39-SMD5R, 3.9 um, 0.02 mW at 200 mA, microreflector	112,00	152,47
LED41-SMD5R, 4.1 um, 0.02 mW at 200 mA, microreflector	112,00	152,47
LED43-SMD5R, 4.3 um, 0.01 mW at 200 mA, microreflector	112,00	152,47
LED46-SMD5R, 4.6 um, 0.006 mW at 200 mA, microreflector	112,00	152,47
MID-IR LEDs TO-18 PACKAGE	EUR	USD
 MID-IR LEDs in TO-18 package optional in TO-5 package with parabolic reflector or with TE-cooler chip die available on request	1-5 pcs.	1-5 pcs.
LED16FC, 1.65 um, 1.2 mW at 200 mA, flip-chip	179,20	243,96
LED17FC, 1.75 um, 1.2 mW at 200 mA, flip-chip	179,20	243,96
LED18, 1.85 um, 0.9 mW at 200 mA	100,80	137,23
LED18FC, 1.85 um, 0.9 mW at 200 mA, flip-chip	179,20	243,96
LED19, 1.95 um, 1 mW at 200 mA	100,80	137,23
LED19FC, 1.95 um, 1 mW at 200 mA, flip-chip	179,20	243,96
LED20, 2.05 um, 1.1 mW at 200 mA	100,80	137,23
LED20FC, 2.0 um, 1.2 mW at 200 mA, flip-chip	179,20	243,96
LED21, 2.15 um, 1.1 mW at 200 mA	100,80	137,23
LED21FC, 2.15 um, 1.2 mW at 200 mA, flip-chip	179,20	243,96

LED22, 2.25 um, 1.1 mW at 200 mA	100,80	137,23
LED22FC, 2.2 um, 1.1 mW at 200 mA, flip-chip	179,20	243,96
LED23, 2.35 um, 0.8 mW at 200 mA	100,80	137,23
LED23FC, 2.35 um, 0.8 mW at 200 mA, flip-chip	179,20	243,96
LED29, 2.9 um, 0.008 mW at 200 mA	102,61	139,69
LED32, 3.2 um, 0.025 mW at 200 mA	100,80	137,23
LED34, 3.4 um, 0.024 mW at 200 mA	100,80	137,23
LED34-HIGH, 3.4 um, 0.065 mW at 200 mA	151,20	205,84
LED34FC, 3.4 um, 0.035 mW at 200 mA, flip-chip	179,20	243,96
LED35, 3.55 um, 0.016 mW at 200 mA	102,61	139,69
LED36, 3.6 um, 0.016 mW at 200 mA	100,80	137,23
LED36FC, 3.6 um, 0.035 mW at 200 mA, flip-chip	o.r.	o.r.
LED37FC, 3.75 um, 0.03 mW at 200 mA, flip-chip	179,20	243,96
LED38, 3.8 um, 0.016 mW at 200 mA	100,80	137,23
LED39, 3.9 um, 0.02 mW at 200 mA	100,80	137,23
LED41, 4.1 um, 0.02 mW at 200 mA	100,80	137,23
LED43, 4.3 um, 0.01 mW at 200 mA	100,80	137,23
LED46, 4.6 um, 0.006 mW at 200 mA	100,80	137,23
Parabolic Reflector, aluminium reflector for TO-18 LED	10,00	13,61
MID-IR LEDs TO-18 with parabolic reflector (PR)	EUR	USD
 MID-IR LEDs in TO-18 package, with parabolic reflector	1-5 pcs.	1-5 pcs.
LED16FC-PR, 1.65 um, 1.2 mW at 200 mA, flip-chip, parabolic reflector	190,40	259,20
LED17FC-PR, 1.75 um, 1.2 mW at 200 mA, flip-chip, parabolic reflector	190,40	259,20
LED18-PR, 1.85 um, 0.9 mW at 200 mA, parabolic reflector	112,00	152,47
LED18FC-PR, 1.85 um, 0.9 mW at 200 mA, flip-chip, parabolic reflector	190,40	259,20
LED19-PR, 1.95 um, 1 mW at 200 mA parabolic reflector	112,00	152,47
LED19FC-PR, 1.95 um, 1 mW at 200 mA, flip-chip, parabolic reflector	190,40	259,20
LED20-PR, 2.05 um, 1.1 mW at 200 mA, parabolic reflector	112,00	152,47
LED20FC-PR, 2.0 um, 1.2 mW at 200 mA, flip-chip, parabolic reflector	190,40	259,20
LED21-PR, 2.15 um, 1.1 mW at 200 mA, parabolic reflector	112,00	152,47
LED21FC-PR, 2.15 um, 1.2 mW at 200 mA, flip-chip, parabolic reflector	190,40	259,20
LED22-PR, 2.25 um, 1.1 mW at 200 mA, parabolic reflector	112,00	152,47
LED22FC-PR, 2.2 um, 1.1 mW at 200 mA, flip-chip, parabolic reflector	190,40	259,20
LED23-PR, 2.35 um, 0.8 mW at 200 mA, parabolic reflector	112,00	152,47
LED23FC-PR, 2.35 um, 0.8 mW at 200 mA, flip-chip, parabolic reflector	190,40	259,20
LED29-PR, 2.9 um, 0.008 mW at 200 mA, parabolic reflector	113,10	153,97
LED32-PR, 3.2 um, 0.025 mW at 200 mA, parabolic reflector	113,10	153,97
LED34-PR, 3.4 um, 0.024 mW at 200 mA, parabolic reflector	112,00	152,47
LED34-HIGH-PR, 3.4 um, 0.065 mW at 200 mA, parabolic reflector	162,40	221,09
LED34FC-PR, 3.4 um, 0.035 mW at 200 mA, flip-chip, parabolic reflector	190,40	259,20
LED35-PR, 3.55 um, 0.016 mW at 200 mA, parabolic reflector	113,10	153,97
LED36-PR, 3.6 um, 0.016 mW at 200 mA, parabolic reflector	112,00	152,47
LED36FC-PR, 3.6 um, 0.035 mW at 200 mA, flip-chip, parabolic reflector	o.r.	o.r.
LED37FC-PR, 3.75 um, 0.03 mW at 200 mA, flip-chip, parabolic reflector	190,40	259,20
LED38-PR, 3.8 um, 0.016 mW at 200 mA, parabolic reflector	112,00	152,47
LED39-PR, 3.9 um, 0.02 mW at 200 mA, parabolic reflector	112,00	152,47
LED41-PR, 4.1 um, 0.02 mW at 200 mA, parabolic reflector	112,00	152,47
LED43-PR, 4.3 um, 0.01 mW at 200 mA, parabolic reflector	112,00	152,47
LED46-PR, 4.6 um, 0.006 mW at 200 mA, parabolic reflector	112,00	152,47
Parabolic Reflector, aluminium reflector for TO-18 LED	10,00	13,61
MID-IR LEDs TO-18 with parabolic reflector & wind. (PR-WIN)	EUR	USD
 MID-IR LEDs in TO-18 package, with parabolic reflector, with window	1-5 pcs.	1-5 pcs.
LED16FC-PR-WIN, 1.65 um, 1.2 mW at 200 mA, flip-chip, parabolic reflector, wind.	207,20	282,08
LED17FC-PR-WIN, 1.75 um, 1.2 mW at 200 mA, flip-chip, parabolic reflector, wind.	207,20	282,08

LED18-PR-WIN, 1.85 um, 0.9 mW at 200 mA, parabolic reflector, wind.	128,80	175,34
LED18FC-PR-WIN, 1.85 um, 0.9 mW at 200 mA, flip-chip, parabolic reflector, wind.	207,20	282,08
LED19-PR-WIN, 1.95 um, 1 mW at 200 mA, parabolic reflector, wind.	128,80	175,34
LED19FC-PR-WIN, 1.95 um, 1 mW at 200 mA, flip-chip, parabolic reflector, wind.	207,20	282,08
LED20-PR-WIN, 2.05 um, 1.1 mW at 200 mA, parabolic reflector, wind.	128,80	175,34
LED20FC-PR-WIN, 2.0 um, 1.2 mW at 200 mA, flip-chip, parabolic reflector, wind.	207,20	282,08
LED21-PR-WIN, 2.15 um, 1.1 mW at 200 mA, parabolic reflector, wind.	128,80	175,34
LED21FC-PR-WIN, 2.15 um, 1.2 mW at 200 mA, flip-chip, parabolic reflector, wind.	207,20	282,08
LED22-PR-WIN, 2.25 um, 1.1 mW at 200 mA, parabolic reflector, wind.	128,80	175,34
LED22FC-PR-WIN, 2.2 um, 1.1 mW at 200 mA, flip-chip, parabolic reflector, wind.	207,20	282,08
LED23-PR-WIN, 2.35 um, 0.8 mW at 200 mA, parabolic reflector, wind.	128,80	175,34
LED23FC-PR-WIN, 2.35 um, 0.8 mW at 200 mA, flip-chip, parabolic reflector, wind.	207,20	282,08
LED29-PR-WIN, 2.9 um, 0.008 mW at 200 mA, parabolic reflector, wind.	129,43	176,20
LED34-PR-WIN, 3.4 um, 0.024 mW at 200 mA, parabolic reflector, wind.	128,80	175,34
LED34-HIGH-PR-WIN, 3.4 um, 0.065 mW at 200 mA, parabolic reflector, wind.	179,20	243,96
LED34FC-PR-WIN, 3.4 um, 0.035 mW at 200 mA, flip-chip, parabolic reflector, wind.	207,20	282,08
LED35-PR-WIN, 3.55 um, 0.016 mW at 200 mA, parabolic reflector, wind.	129,43	176,20
LED36-PR-WIN, 3.6 um, 0.016 mW at 200 mA, parabolic reflector, wind.	128,80	175,34
LED36FC-PR-WIN, 3.6 um, 0.035 mW at 200 mA, flip-chip, parabolic reflector, wind.	o.r.	o.r.
LED37FC-PR-WIN, 3.75 um, 0.03 mW at 200 mA, flip-chip, parabolic reflector, wind.	207,20	282,08
LED38-PR-WIN, 3.8 um, 0.016 mW at 200 mA, parabolic reflector, wind.	128,80	175,34
LED39-PR-WIN, 3.9 um, 0.02 mW at 200 mA, parabolic reflector, wind.	128,80	175,34
LED41-PR-WIN, 4.1 um, 0.02 mW at 200 mA, parabolic reflector, wind.	128,80	175,34
LED43-PR-WIN, 4.3 um, 0.01 mW at 200 mA, parabolic reflector, wind.	128,80	175,34
LED46-PR-WIN, 4.6 um, 0.006 mW at 200 mA, parabolic reflector, wind.	128,80	175,34
MID-IR LEDs TO-5 with thermoelectric cooler (TEC)	EUR	USD
 MID-IR LEDs in TO-5 package, with thermoelectric cooler (TEC)	1-5 pcs.	1-5 pcs.
LED16FC-TEC, 1.65 um, 1.2 mW at 200 mA, flip-chip, thermocooler, thermistor	291,20	396,43
LED17FC-TEC, 1.75 um, 1.2 mW at 200 mA, flip-chip, thermocooler, thermistor	291,20	396,43
LED18-TEC, 1.85 um, 0.9 mW at 200 mA, thermocooler, thermistor	224,00	304,95
LED18FC-TEC, 1.85 um, 0.9 mW at 200 mA, flip-chip, thermocooler, thermistor	291,20	396,43
LED19-TEC, 1.95 um, 1 mW at 200 mA, thermocooler, thermistor	224,00	304,95
LED19FC-TEC, 1.95 um, 1 mW at 200 mA, flip-chip, thermocooler, thermistor	291,20	396,43
LED20-TEC, 2.05 um, 1.1 mW at 200 mA, thermocooler, thermistor	224,00	304,95
LED20FC-TEC, 2.0 um, 1.2 mW at 200 mA, flip-chip, thermocooler, thermistor	291,20	396,43
LED21-TEC, 2.15 um, 1.1 mW at 200 mA, thermocooler, thermistor	224,00	304,95
LED21FC-TEC, 2.15 um, 1.2 mW at 200 mA, flip-chip, thermocooler, thermistor	291,20	396,43
LED22-TEC, 2.25 um, 1.1 mW at 200 mA, thermocooler, thermistor	224,00	304,95
LED22FC-TEC, 2.2 um, 1.1 mW at 200 mA, flip-chip, thermocooler, thermistor	291,20	396,43
LED23-TEC, 2.35 um, 0.8 mW at 200 mA, thermocooler, thermistor	224,00	304,95
LED23FC-TEC, 2.35 um, 0.8 mW at 200 mA, flip-chip, thermocooler, thermistor	291,20	396,43
LED29-TEC, 2.9 um, 0.008 mW at 200 mA, thermocooler, thermistor	221,54	301,60
LED34-TEC, 3.4 um, 0.024 mW at 200 mA, thermocooler, thermistor	179,20	243,96
LED34-HIGH-TEC, 3.4 um, 0.065 mW at 200 mA, thermocooler, thermistor	274,40	373,56
LED34FC-TEC, 3.4 um, 0.035 mW at 200 mA, flip-chip, thermocooler, thermistor	291,20	396,43
LED35-TEC, 3.55 um, 0.016 mW at 200 mA, thermocooler, thermistor	221,54	301,60
LED36-TEC, 3.6 um, 0.016 mW at 200 mA, thermocooler, thermistor	224,00	304,95
LED36FC-TEC, 3.6 um, 0.035 mW at 200 mA, flip-chip, thermocooler, thermistor	o.r.	o.r.
LED37FC-TEC, 3.75 um, 0.03 mW at 200 mA, flip-chip, thermocooler, thermistor	291,20	396,43
LED38-TEC, 3.8 um, 0.016 mW at 200 mA, thermocooler, thermistor	313,60	426,93
LED39-TEC, 3.9 um, 0.02 mW at 200 mA, thermocooler, thermistor	313,60	426,93
LED41-TEC, 4.1 um, 0.02 mW at 200 mA, thermocooler, thermistor	313,60	426,93
LED43-TEC, 4.3 um, 0.01 mW at 200 mA, thermocooler, thermistor	263,20	358,31
LED46-TEC, 4.6 um, 0.006 mW at 200 mA, thermocooler, thermistor	313,60	426,93
MID-IR LEDs with parabolic reflector and cooler (TEC-PR)	EUR	USD

	MID-IR LEDs in TO-5 package, with parabolic reflector (PR) and thermoelectric cooler (TEC)		
		1-5 pcs.	1-5 pcs.
LED16FC-TEC-PR, 1.65 um, 1.2 mW at 200 mA, flip-chip, parabolic reflector, TEC		302,40	411,68
LED17FC-TEC-PR, 1.75 um, 1.2 mW at 200 mA, flip-chip, parabolic reflector, TEC		302,40	411,68
LED18-TEC-PR, 1.85 um, 0.9 mW at 200 mA, parabolic reflector, TEC		235,20	320,19
LED18FC-TEC-PR, 1.85 um, 0.9 mW at 200 mA, flip-chip, parabolic reflector, TEC		302,40	411,68
LED19-TEC-PR, 1.95 um, 1 mW at 200 mA, parabolic reflector, TEC		235,20	320,19
LED19FC-TEC-PR, 1.95 um, 1 mW at 200 mA, flip-chip, parabolic reflector, TEC		302,40	411,68
LED20-TEC-PR, 2.05 um, 1.1 mW at 200 mA, parabolic reflector, TEC		235,20	320,19
LED20FC-TEC-PR, 2.0 um, 1.2 mW at 200 mA, flip-chip, parabolic reflector, TEC		302,40	411,68
LED21-TEC-PR, 2.15 um, 1.1 mW at 200 mA, parabolic reflector, TEC		235,20	320,19
LED21FC-TEC-PR, 2.15 um, 1.2 mW at 200 mA, flip-chip, parabolic reflector, TEC		302,40	411,68
LED22-TEC-PR, 2.25 um, 1.1 mW at 200 mA, parabolic reflector, TEC		235,20	320,19
LED22FC-TEC-PR, 2.2 um, 1.1 mW at 200 mA, flip-chip, parabolic reflector, TEC		302,40	411,68
LED23-TEC-PR, 2.35 um, 0.8 mW at 200 mA, parabolic reflector, TEC		235,20	320,19
LED23FC-TEC-PR, 2.35 um, 0.8 mW at 200 mA, flip-chip, parabolic reflector, TEC		302,40	411,68
LED29-TEC-PR, 2.9 um, 0.008 mW at 200 mA, parabolic reflector, TEC		232,03	315,88
LED34-TEC-PR, 3.4 um, 0.024 mW at 200 mA, parabolic reflector, TEC		190,40	259,20
LED34-HIGH-TEC-PR, 3.4 um, 0.065 mW at 200 mA, parabolic reflector, TEC		285,60	388,81
LED34FC-TEC-PR, 3.4 um, 0.035 mW at 200 mA, flip-chip, parabolic reflector, TEC		302,40	411,68
LED35-TEC-PR, 3.55 um, 0.016 mW at 200 mA, parabolic reflector, TEC		232,03	315,88
LED36-TEC-PR, 3.6 um, 0.016 mW at 200 mA, parabolic reflector, TEC		235,20	320,19
LED36FC-TEC-PR, 3.6 um, 0.035 mW at 200 mA, flip-chip, parabolic reflector, TEC		o.r.	
LED37FC-TEC-PR, 3.75 um, 0.03 mW at 200 mA, flip-chip, parabolic reflector, TEC		302,40	411,68
LED38-TEC-PR, 3.8 um, 0.016 mW at 200 mA, parabolic reflector, TEC		324,80	442,17
LED39-TEC-PR, 3.9 um, 0.02 mW at 200 mA, parabolic reflector, TEC		324,80	442,17
LED41-TEC-PR, 4.1 um, 0.02 mW at 200 mA, parabolic reflector, TEC		324,80	442,17
LED43-TEC-PR, 4.3 um, 0.01 mW at 200 mA, parabolic reflector, TEC		274,40	373,56
LED46-TEC-PR, 4.6 um, 0.006 mW at 200 mA, parabolic reflector, TEC		324,80	442,17
PULSE DRIVERS FOR MID-IR LEDs			
DRIVERS FOR MID-IR LEDs, PULSED MODE, PCB		EUR	USD
		1-5 pcs.	1-5 pcs.
D-41, pulsed mode driver, 4 current/frequency/duration value selectors, sync input		168,00	228,71
D-51, pulsed mode driver, 4 current/frequency/duration value selectors, sync input, temp contr.		182,00	247,77
DRIVERS FOR MID-IR LEDs, QCW and PULSED MODE, PCB		EUR	USD
	current pulse drivers for LEDs and mid-IR LEDs, open pcb type, switched current source, operating voltage 5..6 VDC, size 12 x 24 mm ²	1-5 pcs.	1-5 pcs.
mD-1c, pulsed mode driver, 50% duty cycle, 500 μs on/off, f = 1kHz, current = 150 mA		61,30	83,45
mD-1p, pulsed mode driver, 5 μs on, 495 μs off, f = 2 kHz, current = 2 A		61,30	83,45
DRIVERS FOR MID-IR LEDs, QCW and PULSED MODE		EUR	USD
	Drivers for LEDs and Laser Diodes qcw and pulsed mode	1-5 pcs.	1-5 pcs.
D-11, qcw and pulsed driver for LEDs and LDs, adj. current, pulse, rep., small size		220,00	201,48
D-31M, qcw & pulsed driver for LEDs and LDs, adj. current, pulse, rep., small size		210,00	285,89

DRIVERS FOR MID-IR LEDs, QCW and PULSED MODE with temperature controller		EUR	USD
 Drivers for LEDs and Laser Diodes qcw and pulsed mode			
		1-5 pcs.	1-5 pcs.
DLT-27, qcw & pulsed mode driver for LEDs and LDs with TEC		392,00	533,66
DLT-37, qcw & pulsed mode driver for LEDs and LDs with TEC, adj. current, pulse, rep.		448,00	609,89
PD - UV			
UV-PHOTODIODES GaN, AlGaIn and InGaIn		EUR	USD
 UV-photodiodes based on GaN, AlGaIn and InGaIn are intrinsic visible blind due to high bandgap material, extreme irradiation hardness			
		1-9 pcs.	1-9 pcs.
GUVC-T10GD, 210-280 nm , chip size 0.3x0.3mm ² , TO-46, quartz window		19,40	26,41
GUVB-T11GD, 200-320 nm , chip size 0.3x0.3mm ² , TO-46, quartz window		14,60	19,88
GUVB-S11SD, 235-320 nm , chip size 0.4x0.4mm ² , SMD 3528, silicone resin		3,80	5,17
GUVA-T11GD, 200-370 nm , chip size 0.3x0.3mm ² , TO-46, quartz window		9,80	13,34
GUVA-S12SD, 240-370 nm , chip size 0.3x0.3mm ² , SMD 3528, silicone resin		5,20	7,08
GUVA-S22ED, 290-370 nm , chip size 0.3x0.3mm ² , SMD 1608, silicone/epoxy window		4,60	6,26
GUVA-C22SD, 240-370 nm , chip size 0.3x0.3mm ² , COB 2416, Si encapsulant		3,30	4,49
GUVV-T10GD, 230-395 nm , chip size 0.4x0.4mm ² , TO-46, quartz window		15,20	20,69
GUVV-S10SD, 240-395 nm , chip size 0.4x0.4mm ² , SMD 3528, silicone resin		3,00	4,08
UV-PHOTODIODE GaN, AlGaIn and InGaIn with TIA		EUR	USD
 UV-photodiode based on GaN, AlGaIn and InGaIn with integrated transimpedance amplifier for ultra low level UV radiation detection peak response: 280 nm, 320 nm, 370 nm, 395 nm			
		1-9 pcs.	1-9 pcs.
GUVC-T21GH, 220-280 nm , integrated TI amplifier, TO-5, quartz window		31,50	42,88
GUVB-T21GH, 220-320 nm , integrated TI amplifier, TO-5, quartz window		31,50	42,88
GUVA-T21GH, 220-370 nm , integrated TI amplifier, TO-5, quartz window		25,20	34,31
GUVV-T21GH, 220-395 nm , integrated TI amplifier, TO-5, quartz window		31,50	42,88
UV-SENSOR MODULES GaN		EUR	USD
 UV Sensor Modules based on GaN ► PHASE OUT			
		1-9 pcs.	1-9 pcs.
GUVA-T11GM-LA, UV sensor module, 220-370 nm, basic, 28x17x9mm ³		26,80	36,48
UV-PHOTODIODES AlGaIn		EUR	USD
AlGaIn-UVB, 225-317 nm , peak 300 nm, chip size 0.076 mm ² , TO-18		35,00	47,65
UV-PHOTODIODES SiC		EUR	USD
 Silicon Carbide Photodiodes offering high visible blindness, low dark current, high speed, and low noise - 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	34,03
SIC01S-18ISO90, 215 - 365 nm , peak 285 nm, TO-18, both pins isolated		41,80	56,91
SIC01S-A18, 310-370 nm , peak 335 nm, TO-18, UVA		53,20	72,42
SIC01S-B18, 230-315nm , peak 280 nm, TO-18, UVB		53,20	72,42
SIC01S-C18, 250-335nm , peak 320 nm, TO-18, UVC		53,20	72,42
SIC01M, chip active area 0.2 mm²			

SIC01M-18, 215-365 nm , peak 285 nm, TO-18, UV-broadband	60,80	82,77
SIC01M-18ISO90, 215-365 nm , peak 285 nm, TO-18, both pins isolated	70,30	95,70
SIC01M-5LENS, 220-360 nm , peak 288 nm, flame detection (EN298) , 0.2 mm ² , TO-5	81,70	111,22
SIC01M-A18, 310-370 nm , peak 335 nm, TO-18, UVA	102,60	139,68
SIC01M-B18, 230-315 nm , peak 280 nm, TO-18, UVB	102,60	139,68
SIC01M-C5, 230-285 nm , peak 270 nm, TO-5, UVC	110,20	150,02
SIC01M-E18, Erythem , 0.5nA/UVI, TO-18, UV-Index (DIN5050/CIE087)	117,80	160,37
SIC01D, chip active area 0.5 mm²		
SIC01D-18, 215-365 nm , peak 285 nm, TO-18, UV-broadband	60,80	82,77
SIC01D-A18, 310-370 nm , peak 335 nm, TO-18, UVA	102,60	139,68
SIC01D-B18, 230-315 nm , peak 280 nm, TO-18, UVB	102,60	139,68
SIC01D-C18, 230-285 nm , peak 270 nm, TO-18, UVC	102,60	139,68
SIC01D-E18, Erythem , 0.5nA/UVI, TO-18, UV-Index (DIN5050/CIE087)	117,80	160,37
SIC01L, chip active area 1.0 mm²		
SIC01L-18, 210-380 nm , peak 285 nm, TO-18, UV-broadband	136,80	186,24
SIC01L-18ISO90, 210-380 nm , peak 285 nm, TO-18, both pins isolated	155,80	212,10
SIC01L-5, 210-380 nm , peak 285 nm, TO-5	136,80	186,24
SIC01L-A5, 310-370 nm , peak 335 nm, TO-5, UVA	180,50	245,73
SIC01L-B5, 230-315 nm , peak 280 nm, TO-5, UVB	180,50	245,73
SIC01L-C5, 230-285 nm , peak 270 nm, TO-5, UVC	180,50	245,73
SIC01L-E5, Erythem , 2 nA/UVI, TO-5, UV-Index (DIN5050/CIE087)	203,30	276,77
SIC01XL, chip active area 4.0 mm²		
SIC01XL-5, 215-365 nm , peak 285 nm, TO-5, UV-broadband	502,20	683,68
SIC01XL-5ISO90, 215-365 nm , peak 285 nm, TO-5, both pins isolated	502,20	683,68
SIC01XL-A5, 210-370 nm , peak 335 nm, TO-5, UVA	550,80	749,84
SIC01XL-B5, 230-315 nm , peak 280 nm, TO-5, UVB	550,80	749,84
SIC01XL-C5, 230-285 nm , peak 270 nm, TO-5, UVC	550,80	749,84
SIC01XL-E5, Erythem , 2 nA/UVI, TO-5, UV-Index (DIN5050/CIE087)	567,00	771,90
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	808,65
SIC01L4-C5, 230-285 nm , peak 270 nm, Id 20 fA, 800 pF, TO-5, UV-broadband	594,00	808,65
UV-PHOTODIODE SiC with TIA	EUR	USD
 Silicon Carbide pre-amplified UV photodetector - 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	224,63
UV-TIAMO, 210-380 nm , <18 μW/cm ² , chip size 0.2mm ² , flat window with diffusor	165,00	224,63
UV-TIAMO-S, 210-380 nm , <18 mW/cm ² , chip size 0.2mm ² , flat window with diffusor	165,00	224,63
UV-TIAMO-M, 210-380 nm , <180 mW/cm ² , chip size 0.2mm ² , flat window with attenuator	165,00	224,63
UV-TIAMO-E2, 300-400nm , <30 UVI, flat window, --> UV-Index (CIE087)	165,00	224,63
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	162,00
EPD-150-0/3.6, 130 - 550 nm , active area 10.9 mm ² , sapphire window, TO-39	242,00	329,45
EPD-440-0/0.9, 190-550 nm , active area 0.51 mm ² , TO-46	38,60	52,55
EPD-440-0/1.4, 190-550 nm , active area 1.2 mm ² , TO-46	58,00	78,96
EPD-440-0/2.5, 190-550 nm , active area 4.8 mm ² , TO-39	58,90	80,18
EPD-440-0/3.6, 190-550 nm , active area 10.9 mm ² , TO-39	212,00	288,61
EPD-280-0-0.3-1, 220-380 nm , active area 0.056 mm ² , TO-46	89,00	121,16
EPD-270-0-0.3-2, 230-285 nm , active area 0.056 mm ² , TO-39	82,90	112,86
EPD-365-0/0.9, 245-405 nm , active area 0.51 mm ² , UG11 filter, TO-46	52,70	71,74
EPD-365-0/1.4, 245-405 nm , active area 1.2 mm ² , UG11 filter, TO-46	59,00	80,32
EPD-365-0/2.5, 245-405 nm , active area 4.8 mm ² , UG11filter, TO-39	85,00	115,72
EPD-365-0/3.6, 245-405 nm , active area 10.9 mm ² , UG11 filter, TO-39	133,80	182,29
EPD-310-0-0.3-2, 290-330 nm , active area 0.056 mm ² , TO-39	88,00	119,80

EPD-360-0-0.3-2, 230-400 nm , active area 0.056 mm ² , TO-39	88,00	119,80
UV-PHOTODIODES TiO₂	EUR	USD
 UV-photodiodes based on thin film TiO₂ sensor technology	1-9 pcs.	1-9 pcs.
UVD39, 225-380 nm , peak at 300 nm, intrinsic visible blind, TO-39	26,09	35,52
TW30DZ, 253-361 nm , peak at 300 nm, intrinsic visible blind, TO-46	24,00	32,67
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	1,81
SPD19-C, active area 0.2 mm ² , 6pF, Id:10nA, ceramic SMD 3.0 x 2.0 x 1.1 mm ³	2,30	3,13
SPD64-04, active area 0.64 mm ² , 6 pF, Id: 10nA, tr,ff: 10 ns, 5 mm epoxy package	1,48	2,01
SPD64-04B, active area 0.64 mm ² , 6 pF, Id: 10nA, tr,ff: 10 ns, visible light cutoff	1,77	2,41
SPD17-0F, active area 1.69 mm ² , 6 pF, Id: 10nA, tr,ff: 10 ns, T046 epoxy resin	2,30	3,13
SPD400-0F, active area 4 mm ² , 18 pF, Id: 5 nA, TO46 with epoxy resin, tr, ff: 45 ns	2,44	3,32
SPD900-9P, active area 9 mm ² , 25 pF, Id: 5 nA, TO39 flat glass window	16,96	23,09
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	107,55
IQ801L, active area 4.8mm ² , transimpedance 10 MOhm, 15 us, 25 kHz, +/- 50 degree	79,00	107,55
IQ802L, active area 4.8mm ² , transimpedance 1 MOhm, 3 us, 120 kHz, +/- 50 degree	79,00	107,55
Avalanche PD - SILICON		
AVALANCHE PHOTODIODES SILICON	EUR	USD
 Silicon Avalanche Photodiode in SMD package for Range Finding Application, LIDAR - small package: 3.8x3.8x1.3mm² - High sensitivity - high gain at low bias - fast response time, low noise	1-9 pcs.	1-9 pcs.
APD230-LCC, active area diameter 0.23 mm, tr,tf: 0.25ns, 1.5pF, LCC6 package	28,40	38,66
APD500-LCC, active area diameter 0.5 0mm, tr,tf: 0.6ns, 1.2pF, LCC6 package	32,40	44,11
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	3,61
SPT36-33, chip size 0.8 x 0.8 mm ² , 3 mm epoxy, photo current typ. 7 mA, +/-25°	2,65	3,61
SPT64-33, chip size 1.0 x 1.0 mm ² , 3 mm epoxy, photo current typ. 10 mA, +/-25°	1,77	2,41
PD - SELECTIVE		
SELECTIVE PHOTODIODES	EUR	USD
 wavelength selective photodiodes based on GaP, no interference filter or color glass filter used, photodiodes are intrinsic wavelength selective	1-9 pcs.	1-9 pcs.
EPD-470-5-0.5, 385-565 nm , active area 0.17 mm ² , 5 mm epoxy	29,90	40,70
EPD-470-1-0.9, 385-565 nm , active area 0.62 mm ² , SMD 1206	8,15	11,10

EPD-470-0-1.4, GaP, 50% at 420 - 520 nm , peak at 470 nm, active area 1.79 mm ² , TO-18	31,90	43,43
EPD-525-3-0.5, 500-600 nm , active area 0.17 mm ² , 3 mm epoxy	4,50	6,13
EPD-525-5/0.5, 410-580 nm , active area 0.17 mm ² , 5 mm epoxy	4,50	6,13
EPD-525-5-0.9, 410-580 nm , active area 0.62 mm ² , 5 mm epoxy	7,00	9,53
EPD-525-1-0.9, 410-580 nm , active area 0.62 mm ² , SMD 1206	7,00	9,53
EPD-525-0-1.4, GaP, 50% at 480 - 560 nm , peak at 525 nm, active area 1.79 mm ² , TO-18	37,80	51,46
EPD-660-3-0.5, 605-705 nm , active area 0.17 mm ² , 3 mm epoxy	7,00	9,53
EPD-660-5/0.5, 605-705 nm , active area 0.17 mm ² , 5 mm epoxy	7,00	9,52
EPD-660-5-0.9, 605-705 nm , active area 0.62 mm ² , 5 mm epoxy	8,70	11,84
EPD-660-1/0.4, red selective photodiode, peak 660 nm, SMD 1206	6,36	8,66
EPD-660-1/0.5, 605-705 nm , active area 0.17 mm ² , SMD 1206	7,42	10,10
EPD-660-1-0.9, 605-705 nm , active area 0.62 mm ² , SMD 1206	13,70	18,65
EPD-660-0-0.9, 605-705 nm , active area 0.62 mm ² , TO-18	34,32	46,72
EPD-740-5/0.4, IR-selective photodiode, 718 - 763 nm , 5 mm epoxy	5,94	8,08
EPD-740-1/0.4, IR-selective photodiode, 718 - 763 nm , SMD 1206	5,30	7,22
EPD-740-1/0.5, IR-selective photodiode, 718 - 763 nm , SMD 1206	6,36	8,66
EPD-740-0-2.5, 650-820 nm , active area 5.8 mm ² , TO-39	36,00	49,01
EPD-880-3-0.9, 800-960 nm , active area 0.62 mm ² , 3 mm epoxy	7,00	9,53
EPD-880-5/0.5, IR-selective photodiode, 800 - 960 nm , 5 mm epoxy	7,00	9,53
EPD-880-5-0.9, 800-960 nm , active area 0.62 mm ² , 5 mm epoxy	7,00	9,53
EPD-880-1-0.9, 880-960 nm , active area 0.62 mm ² , SMD 1206	7,00	9,53
EPD-880-0-1.4, GaAs, 50% at 800 - 960 nm , peak at 890 nm, TO-18	20,00	27,23
EPD-1300-5-0.3, 800-1750 nm , active area Ø300 µm, 5 mm epoxy	28,00	38,12
EPD-1300-0-0.5, 850-1700 nm , active area 0.196 mm ² , TO-18	32,40	44,11
EPD-1300-0-3.0, 800-1700 nm , active area 7 mm ² , TO-39	199,00	270,91

PD - InGaAs

GaAs, InGaAs, InAsP PHOTODIODES

EUR

USD



InGaAs, GaAs and InAsP photodiodes
diverse packages
chip die available on request

1-9 pcs.

1-9 pcs.

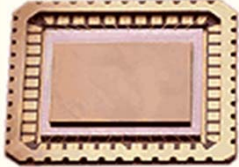
LAPD-1-09-17-TO46, InGaAs PIN, 0.9 - 1.7 µm, 1 mm Ø round sensor area, TO-46	46,00	62,62
LAPD-1-09-17-LCC, InGaAs PIN, 0.9 - 1.7 µm, 1 mm Ø round sensor area, 6LCC	46,00	62,62
LAPD-1-06-17-TO46, InGaAs PIN, 0.6 - 1.7 µm, 1 mm Ø round sensor area, TO-46	52,00	70,79
LAPD-1-06-17-LCC, InGaAs PIN, 0.6 - 1.7 µm, 1 mm Ø round sensor area, 6LCC	52,00	70,79
LAPD-2-09-17-TO39, InGaAs PIN, 0.9 - 1.7 µm, 2 mm Ø round sensor area, TO-39	152,00	206,93
LAPD-2-09-17-LCC, InGaAs, 0.9 - 1.7 µm, 2 mm Ø round sensor area, 8LCC	139,00	189,23
LAPD-2-06-17-TO39, InGaAs PIN, 0.6 - 1.7 µm, 2 mm Ø round sensor area, TO-39	154,00	209,65
LAPD-2-06-17-LCC, InGaAs PIN, 0.6 - 1.7 µm, 2 mm Ø round sensor area, 8LCC	154,00	209,65
LAPD-3-09-17-TO39, InGaAs PIN, 0.9 - 1.7 µm, 3 mm Ø round sensor area, TO-39	292,00	397,52
LAPD-3-09-17-LCC, InGaAs, 0.9 - 1.7 µm, 3 mm Ø round sensor area, 8LCC	292,00	397,52
IPD14-12-5T, InGaAs PIN, 0.12 mm ² , 1.0 - 1.6 µm, TO-18, tr:10ns, tf:5ns	15,46	21,05
TMC-8D31, GaAsPIN PD, high speed, TO-46, caplens	17,00	23,14
PT409, InGaAs PIN, 1.0 - 1.65 µm, Ø75 µm area, 3dBm, TO-46, flat window	15,65	21,31
PT410, InGaAs PIN, 1.0 - 1.65 µm, Ø75 µm area, 10dBm, TO-46, flat window	17,39	23,68
PT511-2, InGaAs PIN 1.0 - 1.65 µm, Ø300 µm area, 10dBm, TO-46, flat window	15,30	20,83
PT511B, InGaAs PIN 1.0 - 1.65 µm, Ø300 µm area, 10dBm, TO-46, ball lens	19,13	26,04
PT512, InGaAs PIN 1.0 - 1.65 µm, Ø300 µm area, 20dBm, TO-46, flat window	23,65	32,20
PT512B, InGaAs PIN 1.0 - 1.65 µm, Ø300 µm area, 20dBm, TO-46, ball lens	21,91	29,83
PT521, InGaAs PIN 0.5 - 1.65 µm, Ø300 µm area, 10dBm, TO-46, flat window	20,87	28,41
PT611, InGaAs PIN 1.0 - 1.65 µm, Ø1 mm area, 10dBm, TO-46, flat window	73,04	99,44
PT711, InGaAs PIN 1.0 - 1.65 µm, Ø2 mm area, 10dBm, TO-5, ball lens	222,61	303,05
PT811-2, InGaAs PIN 1.0 - 1.65 µm, Ø3 mm area, 10dBm, TO-5, ball lens	326,96	445,11

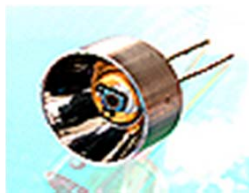
InGaAs PIN PHOTODIODES with FC connector

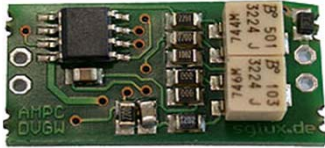
EUR

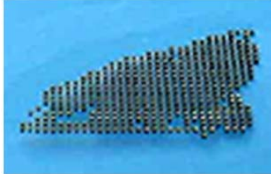
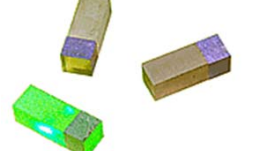
USD

PF511, 1.0 - 1.65 µm, Ø300 µm area, 10 dBm, GRIN lens, FC connector	84,35	114,83
PF512, 1.0 - 1.65 µm, Ø300 µm area, 20 dBm, ball lens, FC connector	84,35	114,83
PF513, 1.0 - 1.65 µm, Ø300 µm area, 30 dBm, GRIN lens, FC connector	86,96	118,38
PF521, 0.5 - 1.7 µm, Ø300 µm area, 10 dBm, GRIN lens, FC connector	62,61	85,23
PF611, 1.0 - 1.65 µm, Ø1 mm area, 10 dBm, GRIN lens, FC connector	165,22	224,92
PF711, 1.0 - 1.65 µm, Ø2 mm area, 10 dBm, FC connector	240,00	326,73
PF811-2, 1.0 - 1.65 µm, Ø3 mm area, 10 dBm, FC connector	344,35	468,78

FIBERCOUPLED InGaAs PIN PHOTODIODES		EUR	USD
PD-1375-ip, InGaAs PIN, 1100-1600 nm, sm, FC		98,44	134,01
PD - InGaAs FOCAL PLANE ARRAYS			
FOCAL PLANE InGaAs ARRAYS		EUR	USD
 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%		1-4 pcs.	1-4 pcs.
FPA320x256-980, InGaAs, 320x256, 10 MHz, 0.9-1.7 μ m, LCC, ARC wind., 98% oper.		6.117,00	8.327,50
FPA320x256-990, InGaAs, 320x256, 10 MHz, 0.9-1.7 μ m, LCC, ARC wind., 99% oper.		8.667,00	11.798,99
FPA320x256-999, InGaAs, 320x256, 10 MHz, 0.9-1.7 μ m, LCC, ARC wind., 99.9% oper.		9.177,00	12.493,29
FPA320x256-100, InGaAs, 320x256, 10 MHz, 0.9-1.7 μ m, LCC, ARC wind., >99.95% oper.		10.196,00	13.880,53
PD - MID-IR			
MID-IR PHOTORESISTORS TO-5		EUR	USD
 MID-IR photoresistors in TO-5 package, chip die available on request		1-5 pcs.	1-5 pcs.
PR43, 1.0 - 4.4 μ m, tr,tf: 5 μ s, 200-500 V/W, 2.0 x 1.8 mm ² , TO-5		168,00	228,71
MID-IR PHOTODIODES TO-39 PACKAGE WITH IMMERSION LENS		EUR	USD
 MID-IR photodiodes in TO-39 package with integrated Si or CdSb immersion lens		1-5 pcs.	1-5 pcs.
IR-PD 3.0, 3.0-3.2 μ m, 0.2 A/W, InAs, TO-39 with 3.5 mm immersion lens		210,83	287,02
MID-IR PHOTODIODES TO-18		EUR	USD
 MID-IR photodiodes in TO-18 and TO-5 package chip die available on request		1-5 pcs.	1-5 pcs.
PD24-03, 1.2 - 2.4 μ m, 0.3 mm, TO-18		89,60	121,98
PD24-05, 1.2 - 2.4 μ m, 0.5 mm, TO-18		162,40	221,09
PD24-10, 1.2 - 2.4 μ m, 1.0 mm, TO-18		246,40	335,44
PD24-20, 1.2 - 2.4 μ m, 2.0 mm, TO-5		448,00	609,89
PD24-30, 1.2 - 2.4 μ m, 3.0 mm, TO-5		1.299,20	1.768,69
PD25-03, 1.3 - 2.5 μ m, 0.3 mm, TO-18		100,80	137,23
PD25-05, 1.3 - 2.5 μ m, 0.5 mm, TO-18		156,80	213,46
PD25-10, 1.3 - 2.5 μ m, 1.0 mm, TO-18		268,80	365,94
PD25-20, 1.3 - 2.5 μ m, 2.0 mm, TO-5		492,80	670,88
PD36-02, 2.3 - 3.6 μ m, 0.2 mm, TO-18		134,40	182,97
PD36-03, 2.3 - 3.6 μ m, 0.3 mm, TO-18		78,40	106,73
PD36-05, 2.3 - 3.6 μ m, 0.5 mm, TO-18		128,80	175,34
PD43-03, 3.2 - 4.8 μ m, 0.3 mm, TO-18		89,60	121,98
PD48-03, 2.5 - 4.8 μ m, 0.3 mm, TO-18		224,00	304,95
Parabolic Reflector, metal reflector for TO-18 LED		10,00	13,61
MID-IR PHOTODIODES TO-18 with parabolic reflector		EUR	USD

	MID-IR photodiodes in TO-18 and TO-5 package with parabolic reflector chip die available on request		
		1-5 pcs.	1-5 pcs.
PD24-03-PR, 1.2 - 2.4 μm , 0.3 mm, TO-18, parabolic reflector		100,80	137,23
PD24-05-PR, 1.2 - 2.4 μm , 0.5 mm, TO-18, parabolic reflector		173,60	236,33
PD24-10-PR, 1.2 - 2.4 μm , 1.0 mm, TO-18, parabolic reflector		257,60	350,69
PD25-03-PR, 1.3 - 2.5 μm , 0.3 mm, TO-18, parabolic reflector		112,00	152,47
PD25-05-PR, 1.3 - 2.5 μm , 0.5 mm, TO-18, parabolic reflector		168,00	228,71
PD25-10-PR, 1.3 - 2.5 μm , 1.0 mm, TO-18, parabolic reflector		280,00	381,18
PD36-02-PR, 2.3 - 3.6 μm , 0.2 mm, TO-18, parabolic reflector		145,60	198,22
PD36-03-PR, 2.3 - 3.6 μm , 0.3 mm, TO-18, parabolic reflector		89,60	121,98
PD36-05-PR, 2.3 - 3.6 μm , 0.5 mm, TO-18, parabolic reflector		140,00	190,59
PD43-03-PR, 3.2 - 4.8 μm , 0.3 mm, TO-18, parabolic reflector		100,80	137,23
PD48-03-PR, 2.5 - 4.8 μm , 0.3 mm, TO-18, parabolic reflector		235,20	320,19
MID-IR PHOTODIODES TO-18 with parabolic reflector & window		EUR	USD
	MID-IR photodiodes in TO-18 and TO-5 package with parabolic reflector and window chip die available on request		
		1-5 pcs.	1-5 pcs.
PD24-03-PR-WIN, 1.2 - 2.4 μm , 0.3 mm, TO-18, parabolic reflector, window		117,60	160,10
PD24-05-PR-WIN, 1.2 - 2.4 μm , 0.5 mm, TO-18, parabolic reflector, window		190,40	259,20
PD36-03-PR-WIN, 2.3 - 3.6 μm , 0.3 mm, TO-18, parabolic reflector, window		106,40	144,85
PD36-05-PR-WIN, 2.3 - 3.6 μm , 0.5 mm, TO-18, parabolic reflector, window		156,80	213,46
PD43-03-PR-WIN, 3.2 - 4.8 μm , 0.3 mm, TO-18, parabolic reflector, window		156,80	213,46
MID-IR PHOTODIODES TO-5 with thermoelectric cooler		EUR	USD
	MID-IR photodiodes in TO-5 package with thermoelectric cooler (TEC) chip die available on request		
		1-5 pcs.	1-5 pcs.
PD24-03-TEC, 1.2 - 2.4 μm , 0.3 mm, TO-5, thermocooler, thermistor		224,00	304,95
PD24-05-TEC, 1.2 - 2.4 μm , 0.5 mm, TO-5, thermocooler, thermistor		296,80	404,05
PD24-10-TEC, 1.2 - 2.4 μm , 1.0 mm, TO-5, thermocooler, thermistor		448,00	609,89
PD24-20-TEC, 1.2 - 2.4 μm , 2.0 mm, TO-5, thermocooler, thermistor		627,20	853,85
PD25-03-TEC, 1.3 - 2.5 μm , 0.3 mm, TO-5, thermocooler, thermistor		235,20	320,19
PD25-05-TEC, 1.3 - 2.5 μm , 0.5 mm, TO-5, thermocooler, thermistor		330,40	449,80
PD25-10-TEC, 1.3 - 2.5 μm , 1.0 mm, TO-5, thermocooler, thermistor		470,40	640,39
PD25-20-TEC, 1.3 - 2.5 μm , 2.0 mm, TO-5, thermocooler, thermistor		660,80	899,59
PD36-02-TEC, 2.3 - 3.6 μm , 0.2 mm, TO-5, thermocooler, thermistor		246,40	335,44
PD36-03-TEC, 2.3 - 3.6 μm , 0.3 mm, TO-5, thermocooler, thermistor		212,80	289,70
PD36-05-TEC, 2.3 - 3.6 μm , 0.5 mm, TO-5, thermocooler, thermistor		263,20	358,31
PD43-03-TEC, 3.2 - 4.8 μm , 0.3 mm, TO-5, thermocooler, thermistor		302,40	411,68
PD48-03-TEC, 2.5 - 4.8 μm , 0.3 mm, TO-5, thermocooler, thermistor		380,80	518,41
MID-IR PHOTODIODES with cooler and parabolic reflector		EUR	USD
	MID-IR photodiodes in TO-5 package with thermoelectric cooler (TEC) and parabolic reflector (PR) chip die available on request		
		1-5 pcs.	1-5 pcs.
PD24-03-TEC-PR, 1.2 - 2.4 μm , 0.3 mm, TO-5, parabolic reflector, TEC		235,20	320,19
PD24-05-TEC-PR, 1.2 - 2.4 μm , 0.5 mm, TO-5, parabolic reflector, TEC		308,00	419,30
PD24-10-TEC-PR, 1.2 - 2.4 μm , 1.0 mm, TO-5, parabolic reflector, TEC		459,20	625,14
PD24-20-TEC-PR, 1.2 - 2.4 μm , 2.0 mm, TO-5, parabolic reflector, TEC		638,40	869,10
PD25-03-TEC-PR, 1.3 - 2.5 μm , 0.3 mm, TO-5, parabolic reflector, TEC		246,40	335,44
PD25-05-TEC-PR, 1.3 - 2.5 μm , 0.5 mm, TO-5, parabolic reflector, TEC		341,60	465,04
PD25-10-TEC-PR, 1.3 - 2.5 μm , 1.0 mm, TO-5, parabolic reflector, TEC		481,60	655,64

PD25-20-TEC-PR, 1.3 - 2.5 μm , 2.0 mm, TO-5, parabolic reflector, TEC	672,00	914,84
PD36-02-TEC-PR, 2.3 - 3.6 μm , 0.2 mm, TO-5, parabolic reflector, TEC	257,60	350,69
PD36-03-TEC-PR, 2.3 - 3.6 μm , 0.3 mm, TO-5, parabolic reflector, TEC	224,00	304,95
PD36-05-TEC-PR, 2.3 - 3.6 μm , 0.5 mm, TO-5, parabolic reflector, TEC	274,40	373,56
PD43-03-TEC-PR, 3.2 - 4.8 μm , 0.3 mm, TO-5, parabolic reflector, TEC	313,60	426,93
PD48-03-TEC-PR, 2.5 - 4.8 μm , 0.3 mm, TO-5, parabolic reflector, TEC	392,00	533,66
MID-IR PHOTODIODE WITH INTEGRATED PREAMPLIFIER	EUR	USD
 MID-IR photodiode in tube package with parabolic reflector (PR) and integrated preamplifier (AMP) additional with window (WIN)	1-5 pcs.	1-5 pcs.
PD24-03-PR-AMP, 1.2 - 2.4 μm , 0.3 mm, parabolic reflector, preamplifier, $\varnothing 12 \times 50$ mm tube	260,40	354,50
PD24-03-PR-WIN-AMP, 1.2 - 2.4 μm , 0.3 mm, parab. refl, wind., preamp., $\varnothing 12 \times 50$ mm tube	277,20	377,37
PD24-05-PR-AMP, 1.2 - 2.4 μm , 0.5 mm, parabolic reflector, preamplifier, $\varnothing 12 \times 50$ mm tube	260,40	354,50
PD24-05-PR-WIN-AMP, 1.2 - 2.4 μm , 0.5 mm, parab. refl, wind., preamp., $\varnothing 12 \times 50$ mm tube	277,20	377,37
PD36-03-PR-AMP, 3.1 - 3.6 μm , 0.3 mm, parabolic reflector, preamplifier, $\varnothing 12 \times 50$ mm tube	187,60	255,39
PD36-03-PR-WIN-AMP, 3.1 - 3.6 μm , 0.3 mm, parab. refl, wind., preamp., $\varnothing 12 \times 50$ mm tube	204,40	278,26
PD36-05-PR-AMP, 1.5 - 3.6 μm , 0.5 mm, parabolic reflector, preamplifier, $\varnothing 12 \times 50$ mm tube	187,60	255,39
PD36-05-PR-WIN-AMP, 1.5 - 3.6 μm , 0.5 mm, parab. refl, wind., preamp., $\varnothing 12 \times 50$ mm tube	204,40	278,26
PD43-03-PR-AMP, 3.2 - 4.8 μm , 0.3 mm, parabolic reflector, preamplifier, $\varnothing 12 \times 50$ mm tube	187,60	255,39
PD43-03-PR-WIN-AMP, 3.2 - 4.8 μm , 0.3 mm, parab. refl, wind., preamp., $\varnothing 12 \times 50$ mm tube	243,60	331,63
PD - SYNCHRONOUS DETECTOR		
SYNCHRONOUS DETECTOR FOR MID-IR PHOTODIODES with AMP (PDxx-yy-AMP-TEC)	EUR	USD
	1-9 pcs.	1-9 pcs.
SDM-3P , measure and convert PD AMP signal, pulsed mode, 3 channels, 12 VDC	96,25	131,03
PD - AMPLIFIERS		
AMPLIFIERS FOR PHOTODIODES, PCB	EUR	USD
 Multiboard: high gain and low noise general purpose photodiode preamplifier board	1-9 pcs.	1-9 pcs.
Multiboard , general purpose photodiode amplifier board, 2 channels, +/-9-+/-24 VDC	104,00	141,58
 Digiboard: high gain and low noise general purpose photodiode preamplifier board with digital and analog output	1-9 pcs.	1-9 pcs.
Digiboard , general purpose photodiode amplifier board, 2 channels, 5-18 VDC	176,00	239,60
 AMPCON 4-20: photodiode current amplifier converts input current from 0 ... 800 nA to 4 ... 20 mA output current. PCB size: 13 x 26 x 8 mm, supply voltage 24 VDC, adjustable offset and gain	1-9 pcs.	1-9 pcs.
AMPCON 4-20 , general purpose photodiode current converter 0..2,5 μA to 4..20 mA	78,00	106,19
AMPLIFIERS FOR MID-IR PHOTODIODES (PDxx-yy)	EUR	USD

	Amplifier with integrated Synchrodetector 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		
		1-5 pcs.	1-5 pcs.
AM-07, 0.5kHz-1MHz, max. $6.4 \cdot 10^6$ V/A, for PDxx-yy series		350,00	476,48
AMT-07, 0.5kHz-1MHz, max. $6.4 \cdot 10^6$ V/A, TEC support, for PDxx-yy-TEC series		463,75	631,34
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	5,25
PX511-2, InGaAs photodiode chip die, 1.0 - 1.65 μm , 300 μm active area (MOQ=10pcs)		7,60	10,35
PX611-2, InGaAs photodiode chip die, 1.0 - 1.65 μm , 1 mm active area		87,10	118,58
PX711, InGaAs photodiode chip die, 1.0 - 1.65 μm , 2 mm activearea		336,08	457,53
LAPD-1-09-17-CHIP, InGaAs photodiode chip die, 1.0 - 1.7 μm , 1 mm area		26,28	35,77
LAPD-1-06-17-CHIP, InGaAs photodiode chip die, 0.6 - 1.7 μm , 1 mm area		31,85	43,36
LAPD-2-09-17-CHIP, InGaAs photodiode chip die, 1.0 - 1.7 μm , 2 mm area		52,55	71,54
LAPD-2-06-17-CHIP, InGaAs photodiode chip die, 0.6 - 1.7 μm , 2 mm area		63,54	86,50
LAPD-3-09-17-CHIP, InGaAs photodiode chip die, 1.0 - 1.7 μm , 3 mm area		168,97	230,03
THERMOPILES			
THERMOPILE DETECTORS		EUR	USD
	Thermopile sensors for IR temperature measurements, radiation monitoring, gas analysis • 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	8,99
TP336A, 5 - 14 μm , 85 V/W, sensitive area $\varnothing$ 545 μm , TO-5, window $\varnothing$ 2.6mm		4,98	6,78
TP336E, 5 - 14 μm , 85 V/W, sensitive area $\varnothing$ 545 μm , TO-5, window $\varnothing$ 3.8mm		4,98	6,78
TP337A, 5 - 14 μm , 85 V/W, sensitive area $\varnothing$ 545 μm , TO-5, window $\varnothing$ 2.6mm		4,98	6,78
TP339U, 5 - 14 μm , 85 V/W, sensitive area $\varnothing$ 545 μm , TO-18, window $\varnothing$ 3.0mm		4,98	6,78
TP339UG, 5 - 14 μm , 85 V/W, sensitive area $\varnothing$ 545 μm , TO-18, window $\varnothing$ 3.0mm		4,98	6,78
LASER CRYSTALS			
	easy to use glued crystal assembly for generating green 532 nm laser light by pumping with 808 nm light from laser diodes. Containing both crystals Nd:YVO4 + KTP and coatings for a simplest setup to make a green frequency doubled laser system. Crystal-808-532 can generate green laser light up to several 100 mW cw depending on the pump laser power		
		1-9 pcs.	1-9 pcs.
CRYSTAL-808-532, Nd:YVO4+KTP, in: 808 nm, out: 532 nm + 1064 nm, 1.3x1.3x3.5 mm ³		46,00	62,62
INTERFERENCE FILTERS			
INTERFERENCE FILTERS		EUR	USD
	easy to use glued crystal assembly for generating green high quality interference filters for many science and technical applications further wavelengths and sizes on request		
		1-9 pcs.	1-9 pcs.
RLT-254-11-A, 254 nm, T >15%, size 12.7 mm x 4.7 mm		134,90	183,65
RLT-330-10-A, 330 nm, T >30%, size 12.7 mm x 6.6 mm		134,90	183,65

RLT-340-10-A, 340 nm, T >40%, size 12.7 mm x 7.3 mm	134,90	183,65
RLT-365-12-A, 365 nm, T >40%, size 12.7 mm x 6.3 mm	134,90	183,65
RLT-405-12-A, 405 nm, T >40%, size 12.7 mm x 8.3 mm	134,90	183,65
RLT-436-12-A, 436 nm, T >45%, size 12.7 mm x 6.6 mm	134,90	183,65
RLT-458-11-A, 458 nm, T >70%, size 12.7 mm x 3.6 mm	134,90	183,65
RLT-488-10-A, 488 nm, T >70%, size 12.7 mm x 3.6 mm	134,90	183,65
RLT-500-11-A, 500 nm, T >50%, size 12.7 mm x 5.7 mm	134,90	183,65
RLT-514.5-11-A, 514.5 nm, T >70%, size 12.7 mm x 5.7 mm	134,90	183,65
RLT-520-11-A, 511 nm, T >50%, size 12.7 mm x 5.7 mm	134,90	183,65
RLT-532-10-A, 532 nm, T >70%, size 12.7 mm x 5.8 mm	134,90	183,65
RLT-546-10-A, 546 nm, T >50%, size 12.7 mm x 5.8 mm	134,90	183,65
RLT-589-10-A, 589 nm, T >60%, size 12.7 mm x 5.3 mm	134,90	183,65
RLT-600-22-A, 600 nm, T >60%, size 12.7 mm x 5.3 mm	134,90	183,65
RLT-620-12-A, 620 nm, T >60%, size 12.7 mm x 5.3 mm	134,90	183,65
RLT-632.8-11-A, 632.8 nm, T >70%, size 12.7 mm x 2.8 mm	134,90	183,65
RLT-635-11-A, 635 nm, T >70%, size 12.7 mm x 2.8 mm	134,90	183,65
RLT-650-11-A, 650 nm, T >70%, size 12.7 mm x 2.8 mm	134,90	183,65
RLT-655-25-A, 655 nm, T >70%, size 12.7 mm x 2.8 mm	134,90	183,65
RLT-658-11-A, 658 nm, T >70%, size 12.7 mm x 2.8 mm	134,90	183,65
RLT-660-11-A, 660 nm, T >70%, size 12.7 mm x 2.8 mm	134,90	183,65
RLT-670-11-A, 670 nm, T >70%, size 12.7 mm x 2.8 mm	134,90	183,65
RLT-670-25-A, 670 nm, T >70%, size 12.7 mm x 2.8 mm	134,90	183,65
RLT-680-11-A, 680 nm, T >70%, size 12.7 mm x 2.8 mm	134,90	183,65
RLT-690-11-A, 690 nm, T >70%, size 12.7 mm x 2.8 mm	134,90	183,65
RLT-780-11-A, 780 nm, T >70%, size 12.7 mm x 2.8 mm	134,90	183,65
RLT-785-27.5-A, 785 nm, T >70%, size 12.7 mm x 3.6 mm	134,90	183,65
RLT-790-12.5-A, 790 nm, T >70%, size 12.7 mm x 3.6 mm	134,90	183,65
RLT-850-25-A, 850 nm, T >70%, size 12.7 mm x 2.3 mm	134,90	183,65
RLT-905-34-A, 905 nm, T >70%, size 12.7 mm x 3.3 mm	134,90	183,65
RLT-1064-11-A, 1064 nm, T >70%, size 12.7 mm x 3.6 mm	134,90	183,65

RLT-x-y-A: x = center wavelength CWL, y = HW

OPTICAL POWER METERS

COHERENT LASER POWER METERS AND SENSORS

EUR

USD



Coherent laser power and energy meters, sensors and accessories, for handheld operation and laboratory use

1-9 pcs.

1-9 pcs.

LaserCheck, handheld laser power meter, 400..1064 nm, 0.5 μ W up to 1 W	447,30	608,94
Fieldmate, laser power meter, analog and digital readout, AC/DC operation,	870,45	o.r.
Fieldmax II P, laser energy meter, USB computer interface, LCD display	1.342,95	o.r.
Fieldmax II TO, laser power meter, USB computer interface, LCD display	1.044,75	o.r.
Fieldmax II TOP, laser energy and power meter, USB computer interface, LCD Display	1.542,45	o.r.
Labmax TOP, laser energy and power meter, USB and RS232 interface, data logging	2.064,30	o.r.
AC poweradapter	o.r.	o.r.
Fieldmate softcase	49,35	o.r.
OP-2-IR, 800..1800 nm , max. power 10 mW, active area $\varnothing$ 5 mm, resolution 1 nW	925,05	o.r.
OP-2-VIS, 400..1060 nm , max. power 50 mW, active area $\varnothing$ 7.9 mm, resolution 1 nW	661,50	o.r.
OP-2-UV, 250..400 nm , max. power 30 mW, active area $\varnothing$ 6 mm, resolution 1 nW	795,90	o.r.
J-10MB-LE, 0.19..12 μm , 300nJ - 60 μ J, active area $\varnothing$ 10 mm, <1 khz	1.293,60	o.r.
J-10MB-HE, 0.19..12 μm , 10 μ J - 20mJ, active area $\varnothing$ 10 mm, <1 khz	1.452,15	o.r.
J-10MT-10KHZ, 0.3..2.1 μm , 100nJ - 200 μ J, active area $\varnothing$ 10 mm, <10 khz	1.502,55	o.r.

FIBER CHECKERS



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

SUNSTAR自动化 <http://www.sensor-ic.com/> TEL: 0755-83376489 FAX:0755-83376182 E-MAIL:szss20@163.com

1-9 pcs.

1-9 pcs.

FIBERPOINT ET, 655nm, <1mW, 2.5mm, pulse & cw, 12 x 151 mm, 2 x AAA	95,00	129,33
---	-------	--------

FIBERPOINT 250MD, 635nm, <1mW, 2.5mm, pulse & cw, 12 x 67 mm, 2 x AAA	186,40	253,76
FP-adapter POF, for 1.5 and 2.2 mm polymer optical fibers, attenuation < 1dB	27,23	37,07
FP-adapter SMA, for SMA 905 connector, attenuation < 1 dB	38,11	51,88
FP-adapter 2.5-1.25, for 1.25 mm connector LC, MU, F3000, attenuation < 1dB	41,40	56,36

OEM series	EUR	USD
 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	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	128,65
FC-M2F1-U1, pluggable adapter for OFC5 fiber checker, 2.5 mm down to 1.25 mm	24,50	33,35
FCC-6512-5, 650 nm, 5mW, pulse & cw, mm, 2.5 mm, 2 x AAA, not for sale in germany	70,00	95,30

INFRARED SENSOR CARDS

INFRARED SENSOR CARDS	EUR	USD
 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.	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	126,61
 infrared sensor cards for IR-light visualisation. Wavelength range 800 nm up to 1650 nm, sensor size: 30 x 50 mm²	1-9 pcs.	1-9 pcs.
HT111-30x50 , 808 nm, 940...990 nm, 1550 nm, active area = 15 cm ² , upconverting	29,90	40,70
HT582-30x50 , 800...1400 nm, active area = 15 cm ² , light loadable	29,90	40,70
HT612-30x50 , 800...1650 nm, active area = 15 cm ² , light loadable	29,90	40,70
 infrared sensor cards for IR-light visualisation. Wavelength range 800 nm up to 1650 nm, sensor size 10 x 10 mm²	1-9 pcs.	1-9 pcs.
HT111-10x10 , 808 nm, 940...990 nm, 1550 nm, active area = 1 cm ² , upconverting	8,10	11,03
HT582-10x10 , 800...1400 nm, active area = 1 cm ² , light loadable	8,10	11,03
HT612-10x10 , 800...1650 nm, active area = 1 cm ² , light loadable	8,10	11,03

LASER SAFETY DEVICES

UNIVET LASER SAFETY GOGGLES	EUR	USD
 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	1-9 pcs.	1-9 pcs.
531.00.0.301 , alignment RED, 590-695nm: R1 , Polyc., VLT:32%	70,00	95,30
531.00.0.311 , protection RED, 190-375nm: D L4, 620-665nm: D L4 , Polyc., VLT:20%	80,00	108,91
531.00.0.307 , alignment GREEN, 440-570nm: R1 , Polyc., VLT:22%	80,00	108,91
531.00.0.313 , protection UV+GREEN, 190-535nm: D L5 , Polyc., VLT:40%	82,30	112,04
531.00.0.304 , protect UV+CO2, 190-375nm: D L4, 10.6 µm: D L3 , Polyc. -> phase out	55,00	74,88
531.00.0.309 , protect UV+IR, 190-435nm: D L5, 780-1085nm: D L4 , Polyc., VLT:45%	95,00	129,33
531.00.0.310 , protect UV+Vis+IR, 190-532nm: D L5, 925-1080nm: D L5 -> phase out	125,00	170,17
531.00.0.329 , protect UV+Vis+IR, 180-532nm: D L6, 905-1080nm: D L5 , Polyc. VLT:25%	116,00	157,92
531.00.0.003 , protect Vis+IR, 670-1360nm: D L5 , 1300-3300nm: D L3 , Glass, VLT:40%	240,00	326,73

531.00.0.010, protect IR, 890-1400nm: D L6, 1400-3300nm: D L4, Glass, VLT:62%	256,50	349,19
YAMAMOTO LASER SAFETY GOGGLES	EUR	USD
 Yamamoto laser safety goggles ► PHASE OUT	1-9 pcs.	1-9 pcs.
YL-300M, laser alignment, 630-695 nm, OD2	68,37	93,08
LASER POINTERS - VIOLET		
 405 nm laser pointer, 10mW, for science and fluorescence excitation applications. Polished metal body with clip, status LED, alkaline Batteries and transport case included 405 nm	1-4 pcs.	1-4 pcs.
SHP40510L, 405 nm , <10 mW, cw, 60 g, size 13 x 130 mm, 2 x 1.5V AAA battery	83,00	112,99
VIOLET LASER POINTER GLP-405	EUR	USD
 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	1-4 pcs.	1-4 pcs.
GLP-405-5, 405 nm , 5 mW, cw, 2 x CR2, 80 g, size 17 x 150 mm	187,00	254,58
GLP-405-10, 405 nm , 10 mW, cw, 2 x CR2, 80 g, size 17 x 150 mm	198,00	269,55
GLP-405-20, 405 nm , 20 mW, cw, 2 x CR2, 80 g, size 17 x 150 mm	209,00	284,53
GLP-405-50, 405 nm , 50 mW, cw, 2 x CR2, 80 g, size 17 x 150 mm	264,00	359,40
GLP-405-100, 405 nm , 100 mW, cw, 2 x CR2, 80 g, size 17 x 150 mm	306,09	416,70
GLP-405-150, 405 nm , 150 mW, cw, 2 x CR2, 80 g, size 17 x 150 mm	382,61	520,87
VIOLET PORTABLE Laser System	EUR	USD
 for professional application like chemical analysis, fluorescence exciting, criminology. cw-operation, divergence <0.5 mrad, security key lock system 2 x CR2 batteries, included 405 nm	1-3 pcs.	1-4 pcs.
GLP-III-405-10, 405 nm , 10 mW, cw, 38 x 225 mm, 170g, 2 x "CR2" size 3V battery	304,35	414,33
GLP-III-405-20, 405 nm , 20 mW, cw, 38 x 225 mm, 170g, 2 x "CR2" size 3V battery	315,22	429,13
GLP-III-405-50, 405 nm , 50 mW, cw, 38 x 225 mm, 170g, 2 x "CR2" size 3V battery	369,57	503,12
GLP-III-405-100, 405 nm , 100 mW, cw, 38 x 225 mm, 170g, 2 x "CR2" size 3V battery	478,26	651,09
GLP-III-405-150, 405 nm , 150 mW, cw, 38 x 225 mm, 170g, 2 x "CR2" size 3V battery	630,43	858,26
GLP-III-405-200, 405 nm , 200 mW, cw, 38 x 225 mm, 170g, 2 x "CR2" size 3V battery	782,61	1.065,42
GLP-III-405-250, 405 nm , 250 mW, cw, 38 x 225 mm, 170g, 2 x "CR2" size 3V battery	913,04	1.242,99
GLP-III-405-300, 405 nm , 300 mW, cw, 38 x 225 mm, 170g, 2 x "CR2" size 3V battery	1.086,96	1.479,75
VIOLET LASER POINTER BLP405	EUR	USD
 BLP series, 405 nm laser diode, 5 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	1-4 pcs.	1-4 pcs.
BLP405-5-3, 405 nm , 5 mW, cw, 13 x 162 mm, 90g, 2 x 1.5V AAA battery (3.0 VDC)	199,00	270,91
VIOLET LASER POINTER CSI-405	EUR	USD

 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	1-4 pcs.	1-4 pcs.
CSI-405-5, 405 nm , 5 mW, cw, 13 x 160 mm, 85g, 2 x 1.5V AAA battery (3.0 VDC)	55,00	74,88
CSI-405-10, 405 nm , 10 mW, cw, 13 x 160 mm, 85g, 2 x 1.5V AAA battery (3.0 VDC)	62,00	84,40
CSI-405-20, 405 nm , 20 mW, cw, 13 x 160 mm, 85g, 2 x 1.5V AAA battery (3.0 VDC)	79,00	107,55
CSI-405-50, 405 nm , 50 mW, cw, 13 x 160 mm, 85g, 2 x 1.5V AAA battery (3.0 VDC)	107,00	145,67
CSI-405-100, 405 nm , 100 mW, cw, 13 x 160 mm, 85g, 2 x 1.5V AAA battery (3.0 VDC)	138,00	187,87
CSI-405-200, 405 nm , 200 mW, cw, 13 x 160 mm, 85g, 2 x 1.5V AAA battery (3.0 VDC)	207,00	281,80
LASER POINTERS - BLUE		
ROYAL BLUE LASER POINTERS	EUR	USD
 445 nm high power diode laser pointer high visibility 3 x 1.5V LR1 batteries, included 445 nm	1-4 pcs.	1-4 pcs.
BP-445-100, 445 nm , 100 mW, cw, 14 x 147 mm, 75g, 3 x 1.5V LR1 batteries	192,00	261,38
BP-445-200, 445 nm , 200 mW, cw, 14 x 147 mm, 75g, 3 x 1.5V LR1 batteries	222,00	302,22
 - direct emitting blue laser diode - Automatic Power Control (APC) - transport case & batteries included - metal housing, chrome polished 450 nm	1-4 pcs.	1-4 pcs.
ROITHNER 450, 450 nm , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	69,90	95,16
 450 nm high power diode laser pointer high visibility 3 x 1.5V AAA batteries, included 450 nm	1-4 pcs.	1-4 pcs.
LP-450-5 450 nm , 5 mW, cw, 14 x 171 mm, 90g, 3 x 1.5V AAA batteries	97,00	132,05
LP-450-50 450 nm , 50 mW, cw, 14 x 171 mm, 90g, 3 x 1.5V AAA batteries	127,00	172,89
LP-450-100 450 nm , 100 mW, cw, 14 x 171 mm, 90g, 3 x 1.5V AAA batteries	176,00	239,60
 GLP-447: ROYAL BLUE diode laser pointer, output power from 5-300 mW, full metal body, 2 x CR2 batteries, included 447 nm	1-4 pcs.	1-4 pcs.
GLP-447-5, 447 nm , 5 mW, 17 x 150 mm, 2 x CR2 lithium battery	344,35	468,78
GLP-447-20, 447 nm , 20 mW, 17 x 150 mm, 2 x CR2 lithium battery	385,00	524,13
GLP-447-50, 447 nm , 50 mW, 17 x 150 mm, 2 x CR2 lithium battery	401,90	547,13
GLP-447-100, 447 nm , 100 mW, 17 x 150 mm, 2 x CR2 lithium battery	422,00	574,50
GLP-447-300, 447 nm , 300 mW, 17 x 150 mm, 2 x CR2 lithium battery	459,00	624,87
ROYAL BLUE PORTABLE Diode Laser System	EUR	USD
 for professional application like chemical analysis, fluorescence exciting, criminology. cw-operation security key lock system 447 nm	1-3 pcs.	1-4 pcs.
GLP-III-447-100, 447 nm , 100 mW, cw, 38 x 225mm, 300g, 2 x CR123A battery	423,91	577,10
GLP-III-447-300, 447 nm , 300 mW, cw, 38 x 225mm, 300g, 2 x CR123A battery	478,26	651,09
GLP-III-447-500, 447 nm , 500 mW, cw, 38 x 225mm, 300g, 2 x CR123A battery	489,13	665,89
GLP-III-447-800, 447 nm , 800 mW, cw, 38 x 225mm, 300g, 2 x CR123A battery	543,48	739,88

GLP-III-447-1W, 447 nm , 1000 mW, cw, 38 x 225mm, 300g, 2 x CR123A battery	586,96	799,07
BLUE LASER POINTERS	EUR	USD
 GLP-473: Blue DPSS laser pointer, output power from 0.6 up to > 10 mW, full metal body, CR2 battery included 473 nm	1-4 pcs.	1-4 pcs.
GLP-473-2, 473 nm , 0.6 - 2.0 mW, cw, 17 x 150 mm, 1 x CR2 lithium battery	405,00	551,35
GLP-473-5, 473 nm , 2.0 - 5.0 mW, cw, 17 x 150 mm, 1 x CR2 lithium battery	415,00	564,97
GLP-473-10, 473 nm , < 10 mW, cw, 17 x 150 mm, 1 x CR2 lithium battery	480,00	653,46
GLP-473-20, 473 nm , < 20 mW, cw, 17 x 150 mm, 1 x CR2 lithium battery	520,00	707,91
GLP-473-50, 473 nm , < 50 mW, cw, 17 x 150 mm, 1 x CR2 lithium battery	940,00	1.279,69
BLUE PORTABLE DPSS Laser System	EUR	USD
 for professional application like chemical analysis, fluorescence exciting, criminology. cw-operation, divergence <1.5 mrad, security key lock system 473 nm	1-3 pcs.	1-4 pcs.
GLP-III-473-10, 473 nm , <10 mW, cw, 38 x 225mm, 300g, 1 x No.18650 Li-Ion battery	480,00	653,46
GLP-III-473-20, 473 nm , <20 mW, cw, 38 x 225mm, 300g, 1 x No.18650 Li-Ion battery	590,00	803,21
GLP-III-473-50, 473 nm , <50 mW, cw, 38 x 225mm, 300g, 1 x No.18650 Li-Ion battery	915,00	1.245,65
GLP-III-473-80, 473 nm , <80 mW, cw, 38 x 225mm, 300g, 1 x No.18650 Li-Ion battery	1.220,00	1.660,87
LASER POINTERS - GREEN		
GREEN DIRECT EMITTING ROITHNER 520	EUR	USD
 Green diode laser pointer: - Automatic Power Control (APC) - cw - transport case & batteries included - metal housing, chrome polished 520 nm	1-4 pcs.	1-4 pcs.
ROITHNER 520, 520 nm , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	89,90	122,39
GREEN DIRECT EMITTING GDP series	EUR	USD
 Green diode laser pointer - low operating current - qcw - wide operating temperature (-10°C..+40°C) - alkaline batteries included	1-4 pcs.	1-4 pcs.
GDP-520-1, 520 nm , 1 mW, qcw, ON-LED, 80 g, 13x160mm, 2 x 1.5V AAA battery	134,40	182,97
GDP-520-5, 520 nm , 5 mW, qcw, ON-LED, 80 g, 13x160mm, 2 x 1.5V AAA battery	151,20	205,84
GREEN DPSS BS-LP series	EUR	USD
 BS-LP green laser pointer: 532nm, silvergrey metal body with clip, status LED, excellent beam quality, batteries included 532 nm	1-4 pcs.	1-4 pcs.
BS-LPA, 532 nm , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	24,90	33,90
BS-LPB, 532 nm , <10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	30,00	40,84
BS-LPC, 532 nm , <20 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	34,00	46,29
BS-LPD, 532 nm , <50 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	78,00	106,19
BS-LPE, 532 nm , <100 mW, cw, spotsize 30mm@10m, ON-LED, 75 g	128,00	174,26
GREEN DPSS ROITHNER 532	EUR	USD

 Green DPSS laser pointer: - IR filter - Automatic Power Control (APC) - transport case & batteries included - metal housing, chrome polished 532 nm	1-4 pcs.	1-4 pcs.
ROITHNER 532, 532 nm , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	29,90	40,70
GREEN DPSS S200 series	EUR	USD
 S200 green laser pointer: 532nm, silvergrey metal body with clip, excellent beam quality, batteries included 532 nm	1-4 pcs.	1-4 pcs.
S200-5R, 532 nm , <5 mW, cw, 13 x 155 mm, 81 g, metal housing, 2 x 1.5V AAA battery	24,90	33,90
GREEN DPSS JLP series	EUR	USD
 JLP green laser pointer: 532nm, black metal body with clip, excellent beam quality, batteries included 532 nm	1-4 pcs.	1-4 pcs.
JLP-5G, 532 nm , <5 mW, cw, 13 x 130 mm, 67 g, metal housing, 2 x 1.5V AAA battery	24,80	33,76
GREEN DPSS GPL series	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	1-4 pcs.	1-4 pcs.
AGPL-1, 532 nm , <1 mW, cw, APC , ON-LED, 2 x AAA, laser class 2	50,00	68,07
GPL-105, 532 nm , <5 mW, cw, 13 x 150 mm, 71 g, 2 x 1.5V AAA battery	33,00	44,93
GPL-10, 532 nm , >10 mW, cw, 13 x 150 mm, 71 g, 2 x 1.5V AAA battery	79,00	107,55
CGPL-20, 532 nm , 20 mW, cw, 13 x 150 mm, 71 g, 2 x 1.5V AAA battery	84,00	114,36
CGPL-50, 532 nm , 50 mW, cw, 13 x 150 mm, 71 g, 2 x 1.5V AAA battery	106,00	144,31
CGPL-100, 532 nm , 100 mW, cw, 13 x 150 mm, 71 g, 2 x 1.5V AAA battery	199,00	270,91
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	1-4 pcs.	1-4 pcs.
GPL-20, 532 nm , >20 mW, cw, 13 x 160 mm, 94 g, 2 x 1.5V AAA battery	84,00	114,36
GPL-30, 532 nm , >30 mW, cw, 13 x 160 mm, 94 g, 2 x 1.5V AAA battery	89,00	121,16
GPL-150, 532 nm , >150 mW, cw, 13 x 160 mm, 94 g, 2 x 1.5V AAA battery	280,00	381,18
GPL-200, 532 nm , >200 mW, cw, 13 x 160 mm, 94 g, 2 x 1.5V AAA battery	480,00	653,46
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	1-4 pcs.	1-4 pcs.
GLP532-10-3, 532 nm , 10 mW, cw, 13 x 162 mm, 90 g, 2 x 1.5V AAA battery	57,00	77,60
GLP532-30-3, 532 nm , 30 mW, cw, 13 x 162 mm, 90 g, 2 x 1.5V AAA battery	84,00	114,36
GLP532-50-3, 532 nm , 50 mW, cw, 13 x 162 mm, 90 g, 2 x 1.5V AAA battery	111,00	151,11
GREEN DPSS Portable Laser System	EUR	USD

 for professional application like chemical analysis, fluorescence exciting, criminology. cw-operation, divergence <1.5 mrad, security key lock system batteries included 532 nm	1-3 pcs.	1-4 pcs.
GLP-III-532-20, 532 nm , 20 mW, 38 x 225mm, 300g, 2 x "C" size 1.5V battery	185,00	251,85
GLP-III-532-30, 532 nm , 30 mW, 38 x 225mm, 300g, 2 x "C" size 1.5V battery	205,00	279,08
GLP-III-532-40, 532 nm , 40 mW, 38 x 225mm, 300g, 2 x "C" size 1.5V battery	225,00	306,31
GLP-III-532-50, 532 nm , 50 mW, 38 x 225mm, 300g, 2 x "C" size 1.5V battery	245,00	333,54
GLP-III-532-100, 532 nm , 100 mW, 38 x 225mm, 300g, 2 x "C" size 1.5V battery	326,09	443,93
GLP-III-532-300, 532 nm , 300 mW, 38 x 225mm, 300g, 1 x No.18650 Li-Ion battery	785,00	1.068,68
GLP-III-532-500, 532 nm , 500 mW, 38 x 225mm, 300g, 1 x No.18650 Li-Ion battery	1.525,00	2.076,09
GLP-III-532-800, 532 nm , 800 mW, 38 x 225mm, 300g, 1 x No.18650 Li-Ion battery	2.500,00	3.403,43
GLP-III-532-1W, 532 nm , 1000 mW, 38 x 225mm, 300g, 1 x No.18650 Li-Ion battery	3.265,00	4.444,87

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	1-4 pcs.	1-4 pcs.
GRP532-655, 532 nm and 650 nm , <5 mW, cw, 2 x AAA, size 13.5 x 157 mm	55,00	74,88

LASER POINTERS - RECHARGEABLE

SHP532 series	EUR	USD
 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 532 nm	1-4 pcs.	1-4 pcs.
SHP532-1RE, 532 nm , <1 mW, cw, rechargeable, APC, ON-LED, laser class 2	39,90	54,32
SHP532-5RE, 532 nm , <5 mW, cw, rechargeable, ON-LED	45,00	61,26

LASERPOINTERS - YELLOW

YELLOW LASER POINTERS	EUR	USD
 yellow DPSS laser pointers, 589 nm, 2 mW up to 10 mW, cw, metal body with clip battery included 589 nm	1-4 pcs.	1-4 pcs.
GLP-589-2, 589 nm , 1-2 mW, cw, 17 x 150mm, 100 g, 1 x CR2 battery	421,00	573,14
GLP-589-5, 589 nm , 5 mW, cw, 17 x 150mm, 100 g, 1 x CR2 battery	690,00	939,35
GLP-589-10, 589 nm , 10 mW, cw, 17 x 150mm, 100 g, 1 x CR2 battery	805,00	1.095,90
YELLOW PORTABLE DPSS Laser System	EUR	USD
 for professional application like chemical analysis, fluorescence exciting, criminology. cw-operation, divergence <1.5 mrad, security key lock system 589 nm	1-3 pcs.	1-4 pcs.
GLP-III-589-5, 589 nm , 5 mW, 38 x 225mm, 300g, 1 x No.18650 Li-Ion battery	785,00	1.068,68
GLP-III-589-10, 589 nm , 10 mW, 38 x 225mm, 300g, 1 x No.18650 Li-Ion battery	914,00	1.244,29
GLP-III-589-30, 589 nm , 30 mW, 38 x 225mm, 300g, 1 x No.18650 Li-Ion battery	1.240,00	1.688,10
GLP-III-589-50, 589 nm , 50 mW, 38 x 225mm, 300g, 1 x No.18650 Li-Ion battery	1.679,00	2.280,29
GLP-III-589-80, 589 nm , 80 mW, 38 x 225mm, 300g, 1 x No.18650 Li-Ion battery	2.173,91	2.959,50

YELLOW LASER POINTERS		EUR	USD
 yellow laser pointers, 593.5nm, up to 2 mW, cw, metal body with clip batteries included 593,5 nm			
		1-4 pcs.	1-4 pcs.
GLP-594-1, 593.5 nm , 0.6 - 1.0 mW, cw, 13 x 150mm, 85 g, 2 x 1.5V AAA battery		402,00	547,27
GLP-594-2, 593.5 nm , 2 mW, cw, 13 x 150mm, 85 g, 2 x 1.5V AAA battery		574,00	781,43
YELLOW PORTABLE DPSS Laser System		EUR	USD
 for professional application like chemical analysis, fluorescence exciting, criminology. cw-operation, divergence <1.5 mrad, security key lock system 593,5 nm			
		1-3 pcs.	1-4 pcs.
GLP-III-594-3, 593,5 nm , 1-3 mW, 38 x 225mm, 300g, 1 x No.18650 Li-Ion battery		783,00	1.065,95
GLP-III-594-5, 593,5 nm , <5 mW, 38 x 225mm, 300g, 1 x No.18650 Li-Ion battery		914,00	1.244,29
GLP-III-594-10, 593,5 nm , <10 mW, 38 x 225mm, 300g, 1 x No.18650 Li-Ion battery		1.218,00	1.658,15
GLP-III-594-20, 593,5 nm , <20 mW, 38 x 225mm, 300g, 1 x No.18650 Li-Ion battery		1.522,00	2.072,01
LASER POINTERS - RED			
RED LASER POINTER ROITHNER 635		EUR	USD
 Red diode laser pointer: - Automatic Power Control (APC) - transport case & batteries included - metal housing, chrome polished 635 nm			
		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	29,81
RED LASER POINTERS LP series		EUR	USD
 red laser pointer, 635 nm, cw-operation, black metal body with clip, status LED 635 nm			
		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	53,09
RED LASER POINTERS RLP-635 series		EUR	USD
 red laser pointer, 635 nm, 5 - 30 mW cw-operation, black metal body with clip, soft touch coating, metal transport case and batteries included 635 nm			
		1-4 pcs.	1-4 pcs.
RLP-635-5, 635 nm , 5 mW, 13 x 143 mm, 58 g, 2 x 1.5V AAA battery		19,90	27,09
RLP-635-10, 635 nm , 10 mW, 13 x 143 mm, 58 g, 2 x 1.5V AAA battery		25,10	34,17
RLP-635-20, 635 nm , 20 mW, 13 x 143 mm, 58 g, 2 x 1.5V AAA battery		67,00	91,21
RED PORTABLE DIODE Laser System		EUR	USD
 for professional application like chemical analysis, fluorescence exciting, criminology. cw-operation, divergence <5 mrad, security key lock system 635 nm			
		1-3 pcs.	1-4 pcs.
GLP-III-635-100, 635 nm , 100 mW, 38 x 225mm, 300g, 2 x "C" size 1.5V battery		522,00	710,64
GLP-III-635-200, 635 nm , 200 mW, 38 x 225mm, 300g, 2 x "C" size 1.5V battery		761,00	1.036,00
GLP-III-635-300, 635 nm , 300 mW, 38 x 225mm, 300g, 2 x "C" size 1.5V battery		914,00	1.244,29
RED LASER POINTERS LS series		EUR	USD

 red laser pointer, low cost, cw-operation, black metal body with clip, transport case and batteries included 645 nm	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	23,09
RED LASER POINTER ROITHNER 650	EUR	USD
 Red diode laser pointer: - Automatic Power Control (APC) - transport case & batteries included - metal housing, chrome polished 655 nm	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	27,09
RED LASER POINTERS RLP-650 series	EUR	USD
 red laser pointer, 650 nm, 10 -100 mW cw-operation, black metal body with clip, soft touch coating, transport case and batteries included 655 nm	1-4 pcs.	1-4 pcs.
RLP-650-10, 655 nm , 10 mW, 14 x 162 mm, 82 g, 2 x 1.5V AAA battery	17,00	23,14
RLP-650-20, 655 nm , 20 mW, 14 x 162 mm, 82 g, 2 x 1.5V AAA battery	29,00	39,48
RLP-650-50, 655 nm , 50 mW, 14 x 162 mm, 82 g, 2 x 1.5V AAA battery	49,00	66,71
RLP-650-100, 655 nm , 100 mW, 14 x 162 mm, 82 g, 2 x 1.5V AAA battery	68,00	92,57
RLP-650-200, 655 nm , 200 mW, 14 x 162 mm, 82 g, 2 x 1.5V AAA battery	110,00	149,75
RED CROSS PATTERN LASER POINTER	EUR	USD
 RCP-650-5: 655 nm red cross pattern cw laser pointer, grey anodized metal body with clip, working distance up to 5 m, batteries and transport case included 655 nm	1-4 pcs.	1-4 pcs.
RCP-650-5, 655 nm , cross pattern, <5 mW, cw, 11 x 140 mm, 125 g, 2 x AAA	18,00	24,50
RED PORTABLE DIODE Laser System	EUR	USD
 for professional application like chemical analysis, fluorescence exciting, criminology. cw-operation, divergence <5 mrad, security key lock system 655 nm	1-3 pcs.	1-4 pcs.
GLP-III-655-50, 655 nm , 50 mW, 38 x 225mm, 300g, 2 x "C" size 1.5V battery	316,00	430,19
GLP-III-655-100, 655 nm , 100 mW, 38 x 225mm, 300g, 2 x "C" size 1.5V battery	392,00	533,66
GLP-III-655-300, 655 nm , 300 mW, 38 x 225mm, 300g, 2 x "C" size 1.5V battery	566,00	770,54
GLP-III-655-500, 655 nm , 500 mW, 38 x 225mm, 300g, 2 x "C" size 1.5V battery	783,00	1.065,95
LASERPOINTERS - IR		
INFRARED LASER POINTERS LP series	EUR	USD
 IR laser pointer,cw-operation, body with clip, status LED, alkaline batteries and transport case included 780, 850, 980 nm	1-4 pcs.	1-4 pcs.
LP-780-4, 780 nm , 4 mW, 11 x 137 mm, 55 g, 2 x 1.5V AAA battery	56,54	76,97
LP-850-3, 850 nm , 3 mW, 11 x 137 mm, 55 g, 2 x 1.5V AAA battery	59,23	80,63
LP-980-25, 980 nm , 25 mW, 11 x 137 mm, 55 g, 2 x 1.5V AAA battery	52,00	70,79
INFRARED LASER POINTERS SMP series	EUR	USD

	IR laser pointer, 808 nm, cw-operation, polished metal body with clip, status LED, alkaline batteries and transport case included	1-4 pcs.	1-4 pcs.
808, 980 nm			
SHP808-100, 808 nm , <100 mW, 13 x 130 mm, 60 g, 2 x 1.5V AAA battery		162,00	220,54
SHP808-200, 808 nm , <200 mW, 13 x 130 mm, 60 g, 2 x 1.5V AAA battery		185,00	251,85
SHP980-25, 980 nm , 25 mW, 13 x 130 mm, 60 g, 2 x 1.5V AAA battery		58,00	78,96
SHP980-25F, 980 nm , 25 mW, 13 x 130 mm, focused for 2 cm working distance		58,00	78,96
INFRARED LASER POINTERS PIL series		EUR	USD
	infrared laser pointer, 808, 980 and 1064 nm, cw-operation, black metal body with clip, status LED, security key lock system available	1-4 pcs.	1-4 pcs.
808, 980, 1064, 1342 nm			
PIL-808-5, 808 nm , 5 mW, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		165,00	224,63
PIL-808-50, 808 nm , 50 mW, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		180,00	245,05
PIL-808-100, 808 nm , 100 mW, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		229,00	311,75
PIL-808-200, 808 nm , 200 mW, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		251,00	341,70
PIL-808-400, 808 nm , 400 mW, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		286,00	389,35
PIL-808-800, 808 nm , 800 mW, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		420,00	571,78
PIL-980-5, 980 nm , 5 mW, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		143,00	194,68
PIL-980-10, 980 nm , 10 mW, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		150,00	204,21
PIL-980-20, 980 nm , 20 mW, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		158,00	215,10
PIL-980-50, 980 nm , 50 mW, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		176,00	239,60
PIL-980-100, 980 nm , 100 mW, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		198,00	269,55
PIL-980-200, 980 nm , 200 mW, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		220,00	299,50
PIL-980-400, 980 nm , 400 mW, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		330,00	449,25
PIL-1064-1, 1064 nm , 1 mW, DPSS, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		132,00	179,70
PIL-1064-3, 1064 nm , 3 mW, DPSS, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		141,00	191,95
PIL-1064-5, 1064 nm , 5 mW, DPSS, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		150,00	204,21
PIL-1064-10, 1064 nm , 10 mW, DPSS, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		176,00	239,60
PIL-1064-20, 1064 nm , 20 mW, DPSS, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		185,00	251,85
PIL-1064-30, 1064 nm , 30 mW, DPSS, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		198,00	269,55
PIL-1064-50, 1064 nm , 50 mW, DPSS, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		220,00	299,50
PIL-1064-100, 1064 nm , 100 mW, DPSS, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		270,00	367,57
PIL-1064-200, 1064 nm , 200 mW, DPSS, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		405,00	551,35
PIL-1064-400, 1064 nm , 400 mW, DPSS, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		795,00	1.082,29
GPLIR-10, 1064 nm , 10 mW, DPSS, IR-pointer, 2 x 1.5V AAA battery		250,00	340,34
GPLIR-20, 1064 nm , 20 mW, DPSS, IR-pointer, 2 x 1.5V AAA battery		300,00	408,41
PIL-1342-50, 1342 nm , 50 mW, DPSS, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		310,00	422,02
PIL-1342-100, 1342 nm , 100 mW, DPSS, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		425,00	578,58
PIL-1342-200, 1342 nm , 200 mW, DPSS, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery		575,00	782,79
INFRARED LASER POINTERS OEM series		EUR	USD
	customized infrared laser pointers several wavelenghts available, cw-operation batteries included	1-4 pcs.	1-4 pcs.
OEM-980-10, 980 nm , 10 mW, 25 x 15 x 115 mm, 50 g, 2 x 1.5V AAA battery		414,10	563,74
OEM-980-20, 980 nm , 20 mW, 25 x 15 x 115 mm, 50 g, 2 x 1.5V AAA battery		606,00	824,99
OEM-980-25, 980 nm , 25mW, 25 x 15 x 115 mm, 50 g, 2 x 1.5V AAA battery		767,60	1.044,99
OEM-980-30, 980 nm , 30 mW, 25 x 15 x 115 mm, 50 g, 2 x 1.5V AAA battery		858,50	1.168,74
OEM-980-50, 980 nm , 50 mW, 25 x 15 x 115 mm, 50 g, 2 x 1.5V AAA battery		888,80	1.209,99
OEM-1550-05, 1550 nm , 5 mW, 25 x 15 x 115 mm, 50 g, 2 x 1.5V AAA battery		285,00	387,99
OEM-1550-10, 1550 nm , 10 mW, 25 x 15 x 115 mm, 50 g, 2 x 1.5V AAA battery		360,00	490,09
OEM-1550-20, 1550 nm , 20 mW, 25 x 15 x 115 mm, 50 g, 2 x 1.5V AAA battery		608,00	827,71
OEM-1550-30, 1550 nm , 30 mW, 25 x 15 x 115 mm, 50 g, 2 x 1.5V AAA battery		993,84	1.352,98
INFRARED PORTABLE DIODE Laser System		EUR	USD

 for professional application like chemical analysis, fluorescence exciting, criminology. cw-operation, divergence <5 mrad, security key lock system 808 nm	1-3 pcs.	1-4 pcs.
GLP-III-808-100, 808 nm , 100 mW, 38 x 225mm, 300g, 2 x "C" size 1.5V battery	305,00	415,22
GLP-III-808-300, 808 nm , 300 mW, 38 x 225mm, 300g, 2 x "C" size 1.5V battery	327,00	445,17
GLP-III-808-500, 808 nm , 500 mW, 38 x 225mm, 300g, 2 x "C" size 1.5V battery	348,00	473,76
GLP-III-808-1W, 808 nm , 1 W, 38 x 225mm, 300g, 2 x "C" size 1.5V battery	458,00	623,51
GLP-III-808-2W, 808 nm , 2 W, 38 x 225mm, 300g, 2 x "C" size 1.5V battery	620,00	844,05
GLP-III-808-2.5W, 808 nm , 2.5 W, 38 x 225mm, 300g, 2 x "C" size 1.5V battery	762,00	1.037,36
INFRARED PORTABLE DIODE Laser System	EUR	USD
 for professional application like chemical analysis, fluorescence exciting, criminology. cw-operation, divergence <5 mrad, security key lock system 980 nm	1-3 pcs.	1-4 pcs.
GLP-III-980-50, 980 nm , 50 mW, 38 x 225mm, 300g, 2 x "C" size 1.5V battery	294,00	400,24
GLP-III-980-100, 980 nm , 100 mW, 38 x 225mm, 300g, 2 x "C" size 1.5V battery	305,00	415,22
GLP-III-980-300, 980 nm , 300 mW, 38 x 225mm, 300g, 2 x "C" size 1.5V battery	316,00	430,19
GLP-III-980-500, 980 nm , 500 mW, 38 x 225mm, 300g, 2 x "C" size 1.5V battery	328,00	446,53
GLP-III-980-1W, 980 nm , 1 W, 38 x 225mm, 300g, 2 x "C" size 1.5V battery	479,00	652,10
GLP-III-980-1.5W, 980 nm , 1.5 W, 38 x 225mm, 300g, 1 x No.18650 Li-Ion battery	653,00	888,97
INFRARED PORTABLE DPSS Laser System	EUR	USD
 for professional application like chemical analysis, fluorescence exciting, criminology. cw-operation, divergence <1.5 mrad, security key lock system 1064 nm	1-3 pcs.	1-4 pcs.
GLP-III-1064-100, 1064 nm , 100 mW, 38 x 225mm, 300g, 2 x "C" size 1.5V battery	327,00	445,17
GLP-III-1064-300, 1064 nm , 300 mW, 38 x 225mm, 300g, 2 x "C" size 1.5V battery	479,00	652,10
GLP-III-1064-500, 1064 nm , 500 mW, 38 x 225mm, 300g, 2 x "C" size 1.5V battery	610,00	830,44
GLP-III-1064-1W, 1064 nm , 1 W, 38 x 225mm, 300g, 2 x "C" size 1.5V battery	1.218,00	1.658,15
INFRARED PORTABLE DPSS Laser System	EUR	USD
 for professional application like chemical analysis, fluorescence exciting, criminology. cw-operation, divergence <1.5 mrad, security key lock system 1342 nm	1-3 pcs.	1-4 pcs.
GLP-III-1342-100, 1342 nm , 100 mW, 38 x 225mm, 300g, 2 x "C" size 1.5V battery	609,00	829,07
GLP-III-1342-200, 1342 nm , 200 mW, 38 x 225mm, 300g, 2 x "C" size 1.5V battery	674,00	917,56
GLP-III-1342-500, 1342 nm , 500 mW, 38 x 225mm, 300g, 2 x "C" size 1.5V battery	915,00	1.245,65
UV-LED MINI FLASHLIGHTS		
 reliable and handheld light sources with UV-LEDs available wavelengths 350 nm .. 405 nm	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	14,14
RLT-287U, 380 nm , 1.5-2.0 mW, ball point pen design, 4 x AG3 (not included)	4,99	6,79
RLT-CHECKER-385, 385 nm , 2.0 - 4.0 mW, 30°, 4 x AG3 (not included)	3,33	4,53
AL-513UV-A, 395 nm , 5..6 mW, necklace, 11.6 x 3.1 mm, 3 x LR1130 (not included)	5,10	6,94
UV-LED FLASHLIGHTS		

UV-LED FLASHLIGHTS		EUR	USD
 UV-LED flashlight series, wavelength range from 355 nm up to 375 nm standard wavelength: 365 nm, 370 nm, 375 nm		1-9 pcs.	1-9 pcs.
NS365HBL, UV-LED flashlight, 365 nm , 180 mW, 45 LEDs, 4 x AAA, 226 g, 55 x 135 mm		382,00	520,04
NS370HBS, UV-LED flashlight, 370 nm , 70 mW, 14 LEDs, 3 x AAA, 135 g, 34 x 120 mm		122,00	166,09
NS370HBL, UV-LED flashlight, 370 nm , 180 mW, 45 LEDs, 4 x AAA, 226 g, 55 x 150 mm		318,00	432,92
HIGH POWER FLASHLIGHTS			
WHITE 1 W LED FLASHLIGHT		EUR	USD
 LUMILEDS 1W LED military type II anodizing 35 lm		1-9 pcs.	1-9 pcs.
TK01-1CR123-2AA-1W, white , 35 lm, 160 x 28 mm, CR123 or 2 x AA batteries		36,50	49,69
WHITE 3 W LED FLASHLIGHT		EUR	USD
 LUMILEDS 3W LED military type II anodizing 65 lm		1-9 pcs.	1-9 pcs.
TK01-2CR123-3W, white , 65 lm, 130 x 35 mm, 2 x CR123 batteries		39,90	54,32
WHITE RAPID ZOOM LED FLASHLIGHTS		EUR	USD
 Small size rapid zoom focusing, changeable from long distance spot to broad room illumination, wrist strap and belt bag included 90 lm		1-9 pcs.	1-9 pcs.
RLT-P2-ZOOM, white , 90 lm, 109 x 29 mm, 78 g, 1 x AA alkaline batteries		16,80	22,87
 Rapid zoom focusing, changeable from long distance spot to broad room illumination wrist strap and belt bag included 90 lm		1-9 pcs.	1-9 pcs.
RLT-P4-ZOOM, white , 80 lm, 113 x 35 mm, 135 g, 3 x AAA alkaline batteries		21,90	29,81
 Rapid zoom focusing black anodized aluminium body high power 3W single chip design 365-940 nm		1-9 pcs.	1-9 pcs.
RLT-X365-ZOOM, 365 nm , 113 x 35 mm, glass lens, 135 g, 3 x AAA alkaline batteries		108,00	147,03
RLT-X380-ZOOM, 380 nm , 113 x 35 mm, glass lens, 135 g, 3 x AAA alkaline batteries		87,00	118,44
RLT-X400-ZOOM, 400 nm , 113 x 35 mm, glass lens, 135 g, 3 x AAA alkaline batteries		78,00	106,19
RLT-X415-ZOOM, 415 nm , 113 x 35 mm, 135 g, 3 x AAA alkaline batteries		65,00	88,49
RLT-X470-ZOOM, 470 nm , 113 x 35 mm, 135 g, 3 x AAA alkaline batteries		44,00	59,90
RLT-X520-ZOOM, 520 nm , 113 x 35 mm, 135 g, 3 x AAA alkaline batteries		44,00	59,90
RLT-X620-ZOOM, 620 nm , 113 x 35 mm, 135 g, 3 x AAA alkaline batteries		44,00	59,90
RLT-X660-ZOOM, 660 nm , 113 x 35 mm, 135 g, 3 x AAA alkaline batteries		44,00	59,90
RLT-X850-ZOOM, 850 nm , 113 x 35 mm, 135 g, 3 x AAA alkaline batteries		61,00	83,04
RLT-X940-ZOOM, 940 nm , 113 x 35 mm, 135 g, 3 x AAA alkaline batteries		61,00	83,04

 Rapid zoom focusing, exceptional brightness, anodized aluminium body	1-9 pcs.	1-9 pcs.
RLT-P6-ZOOM-XPG, white , 500 lm, 199 x 42 mm, 445 g, 3 x "C" type alkaline batteries	92,00	125,25
RLT-P6-ZOOM-XML, white , 750 lm, 199 x 42 mm, 445 g, 3 x "C" type alkaline batteries	123,00	167,45
 rapid zoom focusing, exceptional brightness, anodized aluminium body	1-9 pcs.	1-9 pcs.
RLT-P8-ZOOM-MCE, white , 840 lm, 199 x 42 mm, 445 g, 3 x "C" type alkaline batteries	129,00	175,62
HID FLASHLIGHTS		
HID FLASHLIGHTS FOR TACTICAL AND PROFESSIONAL USE	EUR	USD
 High intensity discharge flashlight series - focusable beam - rechargeable Li-Ion battery - power supply included 530 - 1800 lm	1-9 pcs.	1-9 pcs.
HID-10-530-R, HID flashlight, max. 530 lumen, 10W HID lamp, Li-Ion battery, 110 min	456,00	620,78
HID-24-1800-R, HID flashlight, max. 1800 lumen, 24W HID lamp, Li-Ion battery, 50 min	505,00	687,49
HID-365, UV filter, <365 nm for HID flashlight series, color glass filter type	127,00	172,89
HID-850, IR filter, >850 nm for HID flashlight series, color glass filter type	127,00	172,89
LED HEADLAMPS		
WHITE RAPID ZOOM LED HEADLAMP	EUR	USD
 RLT-P4-HEAD-ZOOM 3W high power LED rapid zoom focusing, changeable from long distance spot to broad room illumination, 160 lm	1-9 pcs.	1-9 pcs.
RLT-P4-HEAD-ZOOM, white , 160 lm, 43 x 90 x 90 mm, 77 g, 3 x AAA alkaline batteries	19,90	27,09
WHITE 1 W LED HEADLAMP	EUR	USD
 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	1-9 pcs.	1-9 pcs.
TH06-1W, white , max. 35 lumen, 1 W LED, 2 x AA alkaline batteries	14,90	20,28
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		
PRICES: without VAT, duty unpaid, price change and printing mistake reserved!		