

Line laser, red, 635 nm, 45°, 5 mW

LD635-5-5(11X42.5)-SIDE
Order Number: 70182774

Main Parameters (*)	min	typ	max	Unit
Wavelength	630	635	640	nm
Optical Output Power	4.3	5	5	mW
Operating Voltage	4.5	5	6.5	V DC
Operating Current	25	55	70	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 10,000 h
RoHS	yes

Optical Parameters

Beam Shape	Line
Laser Class	1
Divergence	D - 0.5 mrad
Fan Angle	45°
Line Thickness	<1mm@600mm
Operating Distance	0.6 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (600mm)

Electrical Parameters

Potential of Housing	isolated
ESD Protection	IEC 61000-4-2
Power Supply	Power Supply with stripped/tinned wires, Output: 5V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3W max.

Mechanical Parameters

Size	Ø11x42.5 mm
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Material	aluminium
Cable length	250 mm
Wire type	26AWG, 0,14mm²
Housing Color	black
Weight	10 g

(*) Over the complete operating temperature range

Features



- Operating Voltage 5 V DC
- Small fan angle
- Laser Class 1
- Adjustable focus
- High power

Picture



Cable color

Ground		black	GND
Positive		red	4.5 - 6.5, typ 5 V DC

Safety Label



Valid Revision

| 04-NOV-2024