

Line laser, red, 650 nm, 90°, 1 mW

LD650-1-4.5(11x30)-F1000
Order Number: 70126945

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		1		mW
Operating Voltage	4	4.5	6	V DC
Operating Current	15	40	60	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	90°
Line Thickness	1mm@1m
Operating Distance	1 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Protection Lens	no
Focus	fixed (1000mm)

Electrical Parameters

Potential of Housing	isolated
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Mechanical Parameters

Size	Ø11x30 mm
Material	aluminium
Cable length	200 mm

Wire type	26AWG, 0,14mm²
Output Aperture	3 mm
Weight	6 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Compact size
- Protection lens
- Glas lenses anti reflex coated
- Uniform illumination
- For medical devices

Picture



Cable color

Ground		black	GND
Positive		red	4 - 6, typ 4.5 V DC

Safety Label



Valid Revision

| 27-JUL-2021