

Line laser, red, 635 nm, 50°, 5 mW

LE635-5-5(12X50)60DEG-F65
Order Number: 70122695

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Output Power		5		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	35	50	70	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 5,000 h
RoHS	yes

Optical Parameters

Beam Shape	Line
Laser Class	1M
Divergence	E - 0.6 mrad
Fan Angle	50°
Line Thickness	<0.5mm@0.065m
Operating Distance	0.065 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (65mm)

Electrical Parameters

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

Mechanical Parameters

Size	Ø12x50 mm
Material	aluminium

Cable length	100 mm
Wire type	Belden, Typ 1007, 26AWG
Output Aperture	5.5 mm
Housing Color	black
Weight	13 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Compact size
- Laser Class 1M
- Operating Voltage 5V DC
- Fixed focus

Picture



Cable color

Ground		black	GND
Positive		red	4.5 - 5.5, typ 5 V DC

Safety Label



Valid Revision

| 13-MAY-2024