

Line laser, red, 635 nm, 90°, 4 mW

LH635-4-5(12x32)
Order Number: 70131994

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Output Power		4		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	30	50	65	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	>6,000 h
RoHS	yes

Optical Parameters

Beam Shape	Line
Laser Class	1
Divergence	H - 1.0 mrad
Fan Angle	90°
Line Thickness	<2.5mm@3m
Operating Distance	3 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (3000mm)

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	Ø12x32 mm
Material	aluminium
Cable length	100 mm
Wire type	Belden, Typ 1007, 26AWG
Output Aperture	5 mm
Housing Color	black
Weight	7 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Operating Voltage 5V DC
- Laser Class 1
- Fan angle 90°
- Fixed focus
- Compact size

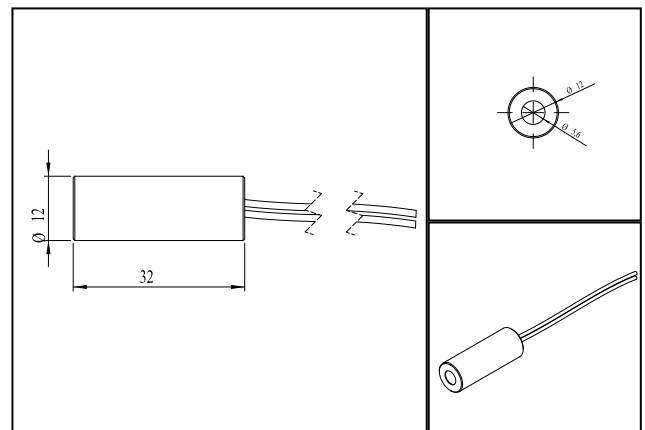
Picture



Cable color

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

Drawing



Safety Label



Valid Revision

| 31-MAR-2025