

Line laser, red, 635 nm, 90 °, 2.5 mW

LH635-2.5-3(12x32)
Order Number: 70101690

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Output Power		2.5		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	20	30	45	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty 1 years

Technical Parameters

Lifetime	> 5,000 h
RoHS	yes

Optical Parameters

Beam Shape	Line
Laser Class	1
Divergence	H - 1.0 mrad
Fan Angle	90 °
Line Thickness	<1.5mm@1.5m
Operating Distance	1.5 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (1500mm)

Electrical Parameters

Potential of Housing	isolated
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Mechanical Parameters

Size	Ø12x32 mm
Material	aluminium
Cable length	100 mm
Wire type	Belden, Typ 1007, 26AWG
Output Aperture	4.5 mm
Housing Color	black
Weight	7 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Operating Voltage 3V DC
- Laser Class 1
- Fan angle 90°
- Fixed focus
- Compact size

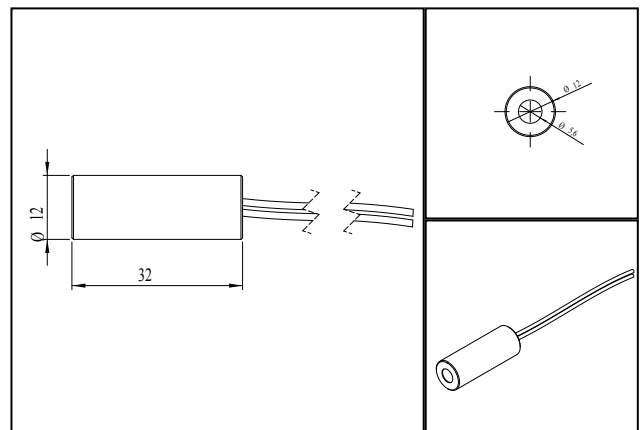
Picture



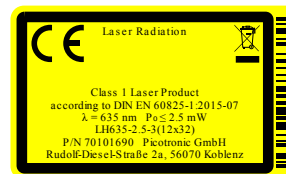
Cable color

Ground		black	GND
Positive		red	2.7 - 3.3, typ 3 V DC

Drawing



Safety Label



Valid Revision

4 | 26-APR-2023

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