

Line laser, red, 650 nm, 90°, 4 mW

LH650-4-3(12x32)
Order Number: 70101799

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		4		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	10	22	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@2m
Operating Distance	2 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (2000mm)

Electrical Parameters

Potential of Housing	isolated
Power Supply	Power Supply with stripped/tinned wires, Output: 3.3V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3.3W max.

Mechanical Parameters

Size	Ø12x32 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



- Laser Class 1
- Operating Voltage 3V DC
- Fan angle 90°
- Compact size
- Uniform line thickness

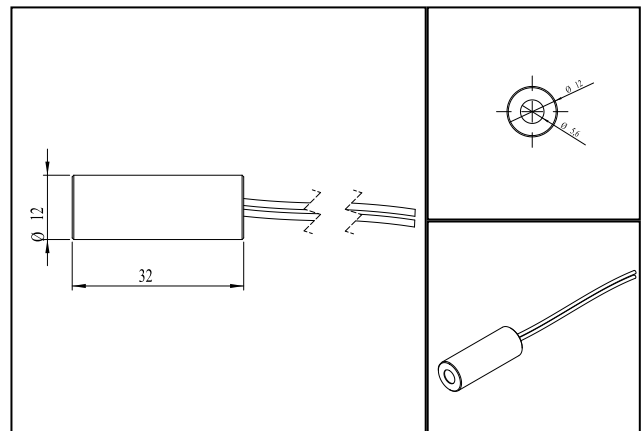
Picture



Cable color

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

Drawing



Safety Label



Valid Revision

9 | 25-MAR-2021