

## Line laser, red, 670 nm, 90°, 4 mW

LH670-4-3(12x32)  
Order Number: 70101843

Main Parameters (*)	min	typ	max	Unit
Wavelength		670		nm
Optical Output Power		4		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	20	40	60	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	<1mm@1m
Operating Distance	1 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (1000mm)

### 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	26AWG, 0,14mm <sup>2</sup>
Output Aperture	5.5 mm
Housing Color	black
Weight	13 g
Stripping of wire	5 mm

(\*) Over the complete operating temperature range

## Features



- Operating Voltage 3V DC
- Laser Class 1
- Uniform line thickness
- Fan angle 90°
- Glas lenses anti reflex coated

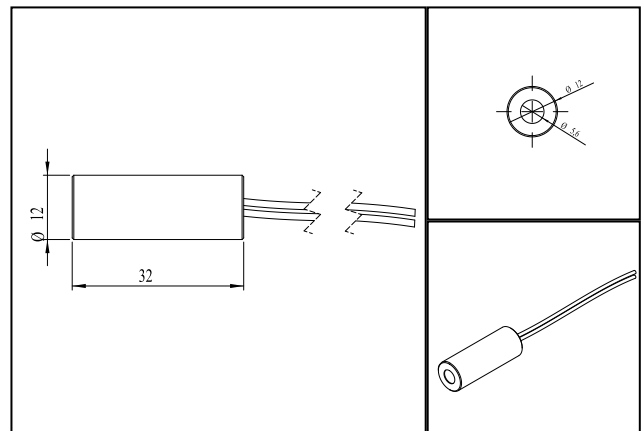
## Picture



## Cable color

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

## Drawing



## Safety Label



## Valid Revision

0 | 15-JUN-2018