

## Line laser, red, 635 nm, 90°, 7 mW

LH635-7-3(12x32)-F1500  
Order Number: 70109740

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Output Power		7		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	20	35	65	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	1.5m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (1500mm)

### 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	15.6 g
Stripping of wire	5 mm

(\*) Over the complete operating temperature range

## Features



- Operating Voltage 3V DC
- Laser Class 1
- Compact size
- Isolated housing
- Fixed focus

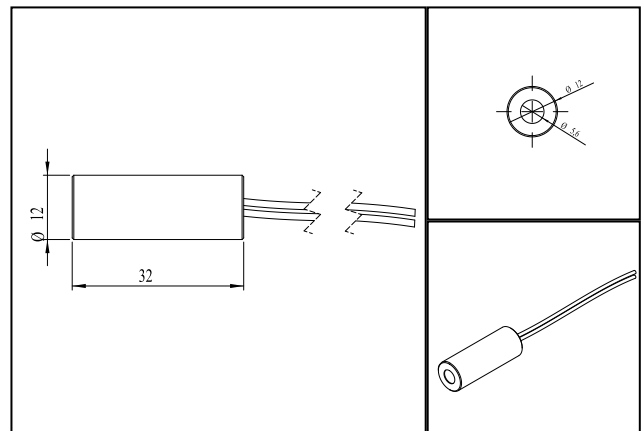
## Picture



## Cable color

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

## Drawing



## Safety Label



## Valid Revision

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