

## Line laser, red, 635 nm, 45°, 16 mW

LE635-16-5(12x32)45DEG-F3000  
Order Number: 70118582

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Output Power		16		mW
Operating Voltage	4.7	5	5.3	V DC
Operating Current	60	90	120	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	2
Divergence	E - 0.6 mrad
Fan Angle	45°
Line Thickness	<1.5mm@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	26AWG, 0,14mm <sup>2</sup>
Housing Color	black
Weight	9g
Stripping of wire	5 mm

(\*) Over the complete operating temperature range

### Features



- Uniform illumination
- Uniform line thickness
- High power
- Laser Class 2

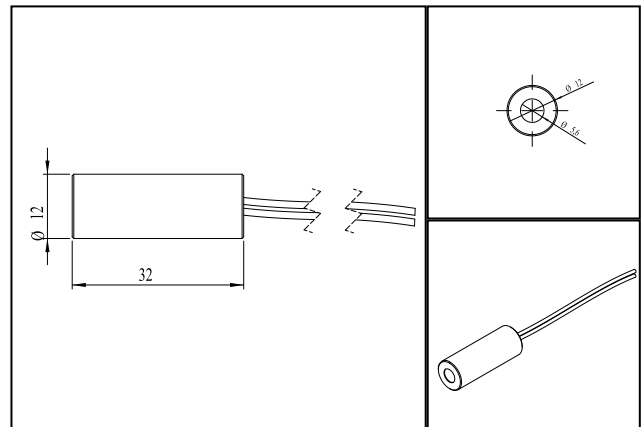
### Picture



### Cable color

Ground		black	GND
Positive		red	4.7 - 5.3, typ 5 V DC

### Drawing



### Safety Label



### Valid Revision

0 | 13-SEP-2021