

## Line laser, red, 650 nm, 10 °, 5 mW

LE650-5-3(12x32)-F400-10DEG  
Order Number: 70116199

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		5		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	15	30	45	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

### Technical Parameters

Lifetime	>5000 h
RoHS	yes

### Optical Parameters

Beam Shape	Line
Laser Class	2M
Divergence	E - 0.6 mrad
Fan Angle	10 °
Line Thickness	<0.5mm@0.4m
Operating Distance	0.4 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Protection Lens	no
Focus	fixed (400mm)

### Electrical Parameters

Potential of Housing	isolated
Power Supply	LFNT-3

### 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



- Small fan angle
- Compact size
- Laser Class 2M
- Operating Voltage 3 V DC
- Fixed focus

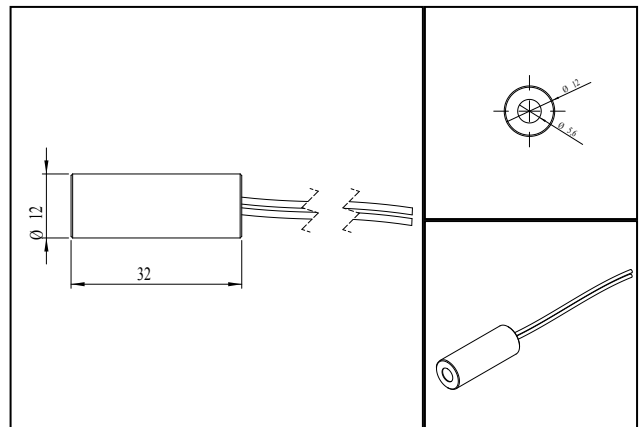
## Picture



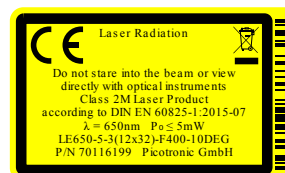
## Cable color

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

## Drawing



## safety label



## Valid Revision

REV 21 | 29-JAN-2016