

## Line laser, red, 650 nm, 90 °, 2.5 mW

LE650-2.5-5(12x32)  
Order Number: 70107241

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		2.5		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	15	23	40	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 E - 0.6 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 LFNT-5

### 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 17 g  
Stripping of wire 5 mm

(\*) Over the complete operating temperature range

### Features



- Operating Voltage 5 V DC
- Laser Class 1
- Uniform line thickness
- Fixed focus
- Glas lenses anti reflex coated

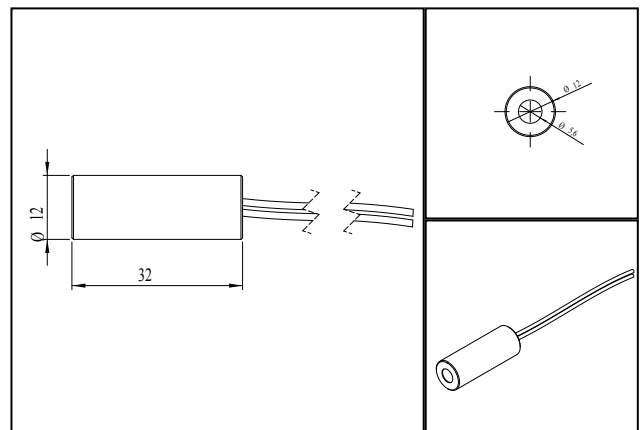
### Picture



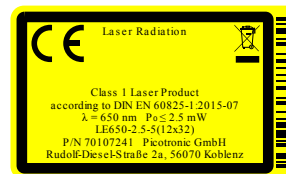
### Cable color

Ground		black	GND
Positive		red	4.5 - 5.5, typ 5 V DC

### Drawing



### Safety Label



### Valid Revision

6 | 23-APR-2013

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