

## Line laser, red, 650 nm, 10°, 5 mW

LE650-5-3(12x32)10DEG  
Order Number: 70105056

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power	3.7	5	5.5	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

### Main Data

Warranty 1 years

### Technical Parameters

Lifetime > 5,000 h  
RoHS yes

### Optical Parameters

Beam Shape Line  
Laser Class 2M  
Divergence E - 0.6 mrad  
Fan Angle 10°  
Line Thickness <1.5mm@3m  
Operating Distance 10 m  
Optics glass lens AR coated  
Laser technology diode  
Protection Lens yes  
Focus fixed (3000mm)

### 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 13.5 g

(\*) Over the complete operating temperature range

### Features



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

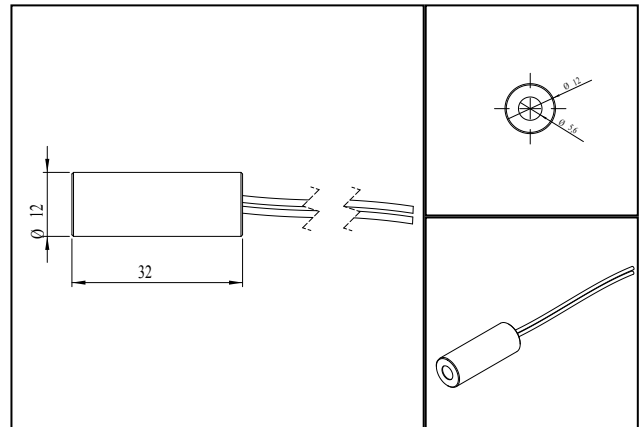
### Picture



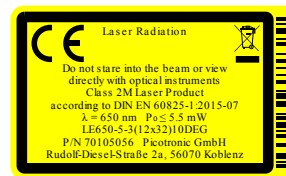
### Cable color

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

### Drawing



### Safety Label



### Valid Revision

21 | 26-APR-2023