

## Line laser, red, 650 nm, 90 °, 5 mW

LD650-5-3(12x32)  
Order Number: 70100075

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	20	40	55	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 D - 0.5 mrad  
Fan Angle 90 °  
Line Thickness <1mm@2m  
Operating Distance 2 m  
Optics glass lens AR coated  
Laser technology diode  
Focus fixed (2000mm)

### Electrical Parameters

Potential of Housing isolated

### Mechanical Parameters

Size Ø12x32 mm  
Material aluminium  
Cable length 100 mm  
Wire type 26AWG, 0,14mm<sup>2</sup>  
Output Aperture 6 mm  
Housing Color black  
Weight 13.5 g

(\*) Over the complete operating temperature range

### Features



- Operating Voltage 3V DC
- Image processing
- Low power consumption
- Compact size
- Laser Class 1

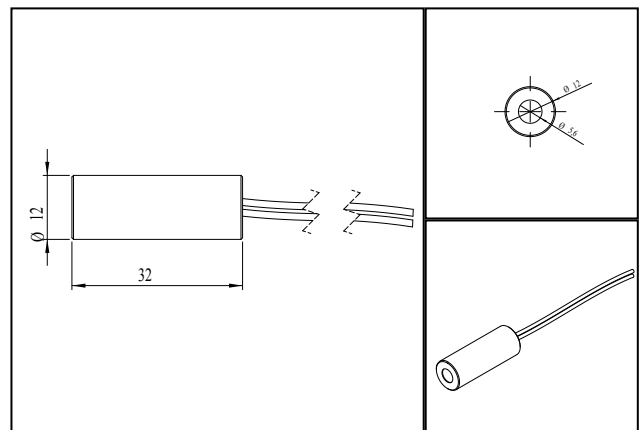
### Picture



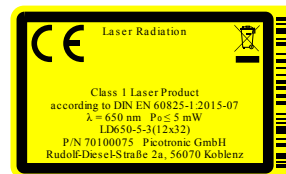
### Cable color

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

### Drawing



### Safety Label



### Valid Revision

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