

## Dot laser, red, 650 nm, 0.4 mW

DI650-0.4-3(5x12)-F100  
Order Number: 70120240

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		0.4		mW
Operating Voltage	2.8	3	3.3	V DC
Operating Current	7	15	30	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 Dot  
Laser Class 1  
Divergence 1 - 1.5 mrad  
Beam Diameter 3 mm  
Size of Laserdot 0.3mm@100mm  
Operating Distance 0.1 m  
Optics glass lens AR coated  
Laser technology Single Mode Diode  
Focus fixed (100mm)

### Electrical Parameters

Potential of Housing isolated  
Power Supply LFNT-3

### Mechanical Parameters

Size Ø5x12 mm  
Material Brass  
Cable length 100 mm  
Wire type 26AWG, 0,14mm<sup>2</sup>  
Housing Color black  
Weight 3 g  
Stripping of wire 5 mm

(\*) Over the complete operating temperature range

### Features



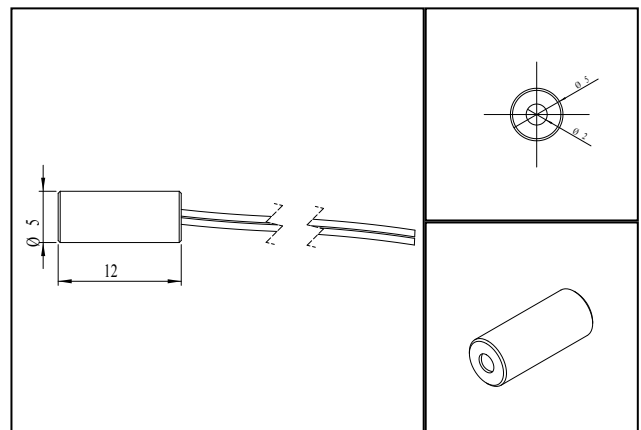
### Picture



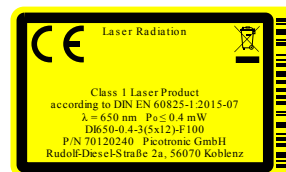
### Cable color

Ground		black	GND
Positive		red	2.8 - 3.3, typ 3 V DC

### Drawing



### Safety Label



### Valid Revision

| 10-JAN-2023