

## Cross laser, red, 650 nm, 45°, 3.5 mW

LFC650-5-12(10x22)45  
Order Number: 70105780

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Diode Power	2	3.5	5	mW
Operating Voltage	2.5	12	12	V DC
Operating Current	10	20	30	mA
Operating Temperature	-20		40	°C
Storage Temperature	-40		80	°C

### Main Data

Warranty 1 years

### Technical Parameters

Lifetime > 3,000 h  
RoHS yes

### Optical Parameters

Beam Shape Cross  
Laser Class 1  
Divergence H - 1.0 mrad  
Fan Angle 45°  
Line Thickness <1.2mm@1m  
Operating Distance 1 m  
Optics acryl lense  
Laser technology diode  
Focus fixed (1000mm)

### Electrical Parameters

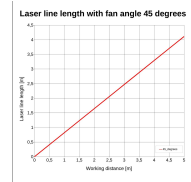
Potential of Housing VDD(+)  
Power Supply LFNT-3

### Mechanical Parameters

Size Ø10x22 mm  
Material Brass  
Cable length 100 mm  
Wire type 26AWG, 0,14mm<sup>2</sup>  
Output Aperture 6 mm  
Weight 9 g

(\*) Over the complete operating temperature range

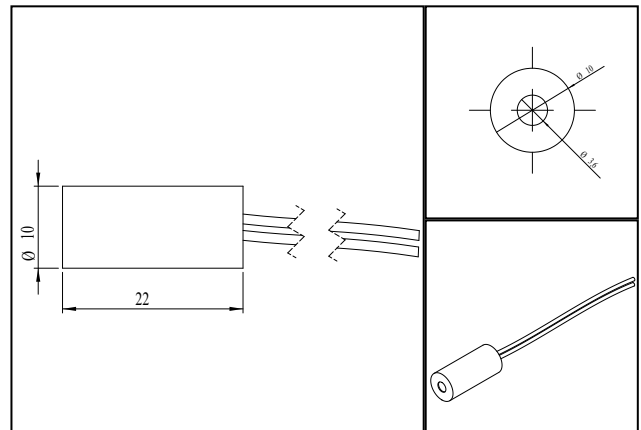
### Picture



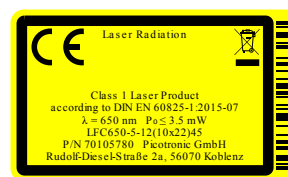
### Cable color

Ground  black GND  
Positive  red 2.5 - 12, typ 12 V DC

### Drawing



### Safety Label



### Valid Revision

4 | 05-APR-2023