

## Line laser, red, 650 nm, 90°, 5 mW

LFL650-5-12(10x22)90  
Order Number: 70105773

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power	3	5	5	mW
Optical Diode Power	2		5	mW
Operating Voltage	3		12	V DC
Operating Current	10	15	25	mA
Operating Temperature	-20		40	°C
Storage Temperature	-40		80	°C

### Main Data

Warranty 1 years

### Technical Parameters

Lifetime > 3,000h  
RoHS yes

### Optical Parameters

Beam Shape Line  
Laser Class 1  
Divergence H - 1.0 mrad  
Fan Angle 90°  
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 Power Supply with stripped/tinned wires, Output: 3.3V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3.3W max.

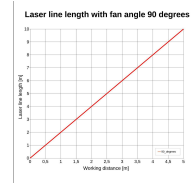
### Mechanical Parameters

Size Ø10x22 mm  
Material Brass  
Cable length 100 mm  
Wire type 26AWG, 0,14mm²  
Output Aperture 6 mm


Weight 9g

(\*) Over the complete operating temperature range

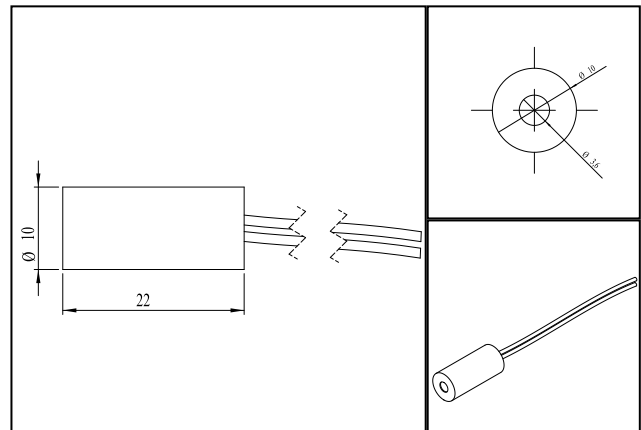
### Picture



### Cable color

Ground  black GND  
Positive  red 3 - 12 V DC

### Drawing



### Safety Label



### Valid Revision

1 | 17-JUL-2023