

## Line laser, red, 650 nm, 90°, 1 mW

LI650-1-3(8x26)-F250-C500  
Order Number: 70114805

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		1		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	10	21	35	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	1 - 1.5 mrad
Fan Angle	90°
Line Thickness	<0.3mm@0.25m
Operating Distance	0.25 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (250mm)

### Electrical Parameters

Potential of Housing	isolated
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	Ø8x26 mm
Material	aluminium
Cable length	500 mm
Wire type	26AWG, 0,14mm <sup>2</sup>
Output Aperture	3 mm
Housing Color	black
Weight	4.4 g
Stripping of wire	5 mm

(\*) Over the complete operating temperature range

### Features



- Fan angle 90°
- Operating Voltage 3V DC
- Laser Class 1
- Uniform line thickness
- Fixed focus

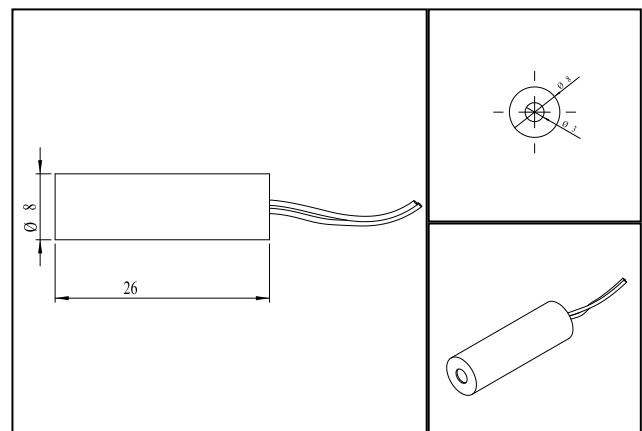
### Picture



### Cable color

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

### Drawing



### Safety Label



### Valid Revision

| 21-JUL-2022