

## Red Line Lasermodule

LFL650-5-12(9x20)60

Order Number: 70105094

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Diode Power	2	3.5	5	mW
Operating Voltage	3	3	12	V DC
Operating Current	10	20	30	mA
Operating Temperature	-20		40	°C
Storage Temperature	-40		80	°C

### Optical Parameters

Beam Shape	Line
Laser Class	1
Divergence	1mrad
Fan Angle	60°
Line Thickness	<1.2mm@1m
Operating Distance	1m
Optics	acrylic lens
Laser technology	Diode
Focus	fixed (1000mm)

### Technical Parameters

Lifetime	>3000h
RoHS	yes

### Electrical Parameters

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

### Mechanical Parameters

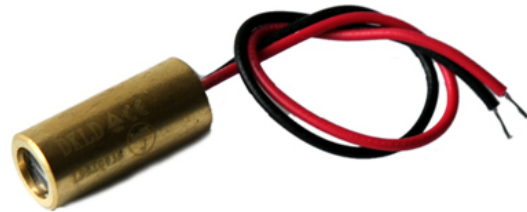
Size	Ø9x20mm
Material	Brass
Cable length	100mm
Wire type	26AWG, 0,14mm <sup>2</sup>
Output Aperture	6mm
Weight	6g

(\*) Over the complete operating temperature


### Features

- Laser Class 1
- Fixed focus
- Operating Voltage 3-12V DC
- Low cost
- Compact size

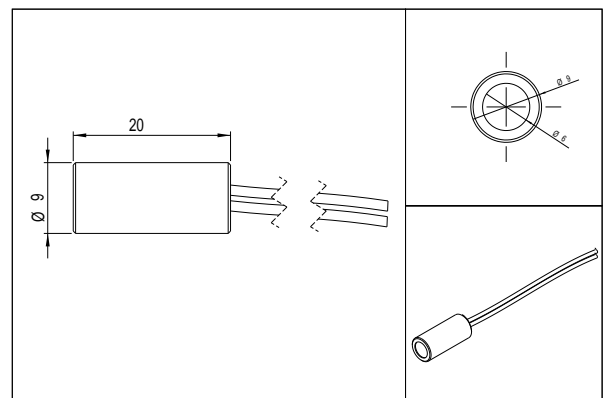
### Picture



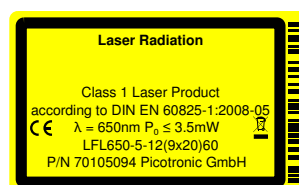
### Cable Colors

Ground		black	GND
Positive		red	3 - 12, typ 3V DC

### Drawing



### Safety Label



### Revision

REV 1

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