

## Line laser, red, 650nm, 60°, 5mW

LFL650-5-12(9x20)60

Order Number: 70105094

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Diode Power	2	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

### Technical Parameters

Lifetime	>3000h
RoHS	yes

### Optical Parameters

Beam Shape	Line
Laser Class	1
Divergence	H - 1.0mrad
Fan Angle	60°
Line Thickness	<1.2mm@1m
Operating Distance	1m
Optics	acryl lense
Laser technology	diode
Focus	fixed (1000mm)

### Electrical Parameters

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

### Mechanical Parameters

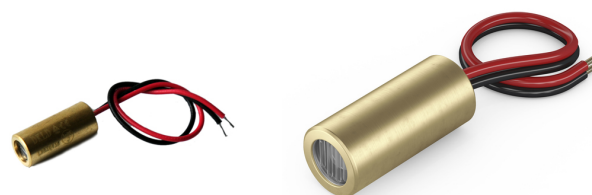
Size	Ø9x20mm
Material	Brass
Cable length	100mm
Wire type	26AWG, 0,14mm²
Output Aperture	6mm
Weight	6g

(\*) Over the complete operating temperature range

### Features

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

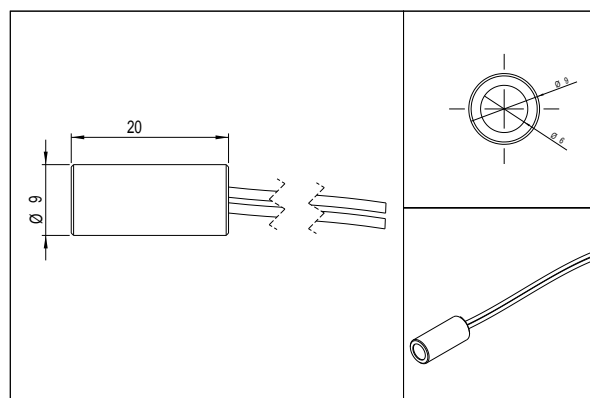
### Picture



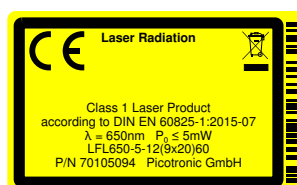
### Cable Colors

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

### Drawing



### Safety Label



### Revision

REV 1 | 04-SEP-2018

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