

## Line laser, red, 635 nm, 90 °, 5 mW

LFL635-5-5(9x20)90  
Order Number: 70149104

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Diode Power	2	5	5	mW
Operating Voltage	2.8	5	5	V DC
Operating Current	20	40	60	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	Line
Laser Class	1
Divergence	H - 1.0 mrad
Fan Angle	90 °
Line Thickness	<1.2mm@1m
Operating Distance	2 m
Optics	acryl lense
Laser technology	diode
Focus	fixed (1000mm)

### Electrical Parameters

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

### Mechanical Parameters

Size	Ø9x20 mm
Material	Brass
Cable length	100 mm
Wire type	26AWG, 0,14mm <sup>2</sup>
Output Aperture	6 mm
Weight	6 g
Stripping of wire	5 mm

(\*) Over the complete operating temperature range



## Features

- Operating Voltage 3-5V DC
- Laser Class 1
- Low cost
- Fan angle 90 °
- Compact size

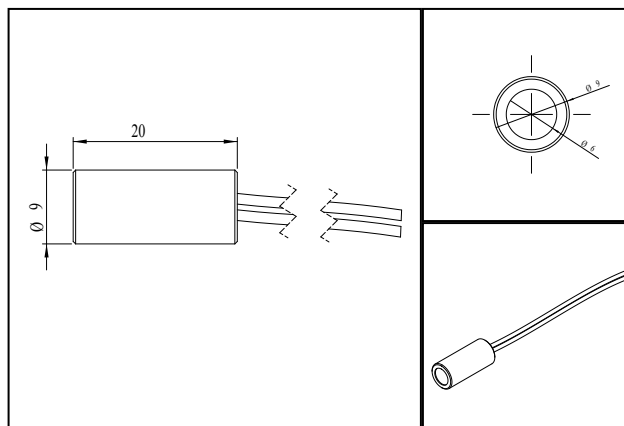
## Picture



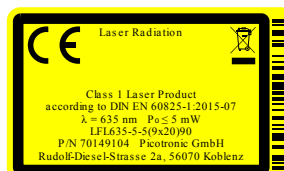
## Cable color

Ground		black	GND
positive		red	2.8 - 5, typ 5 V DC

## Drawing



## Safety Label



## Valid Revision

| 14-FEB-2022