

## Dot laser, red, 650nm, 0.4mW

LFD650-0.4-12(9x20)

Order Number: 70108507

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Diode Power	0.2	0.4	0.4	mW
Operating Voltage	3	3	12	V DC
Operating Current	5	15	25	mA
Operating Temperature	-20		40	°C
Storage Temperature	-40		80	°C

### Technical Parameters

Lifetime	>3000h
RoHS	yes

### Optical Parameters

Beam Shape	Dot
Laser Class	1
Divergence	H - 1.0mrad
Beam Diameter	3mm
Size of Laserdot	<4..5mm@5m
Operating Distance	10m
Optics	acryl lense
Laser technology	diode
Focus	collimated

### Electrical Parameters

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

### Mechanical Parameters

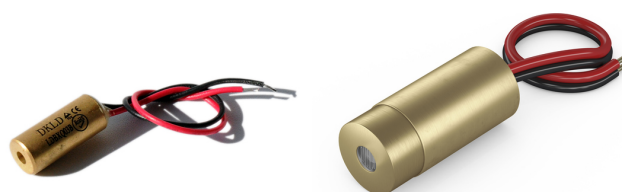
Size	Ø9x20mm
Material	Brass
Cable length	100mm
Wire type	26AWG, 0,14mm <sup>2</sup>
Output Aperture	3mm
Weight	6g

(\*) Over the complete operating temperature range

### Features

- Compact size
- Laser Class 1
- Low power consumption
- Operating Voltage 3-12V DC
- Low cost

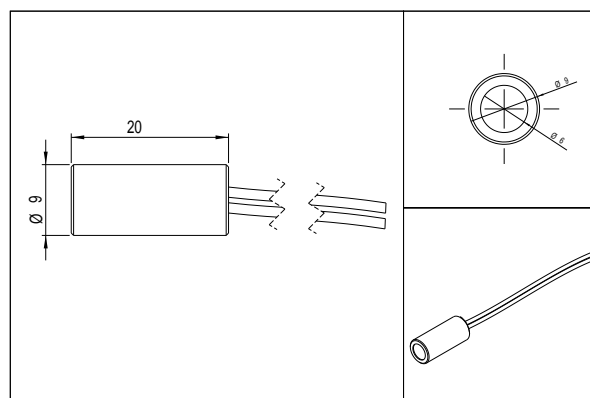
### Picture



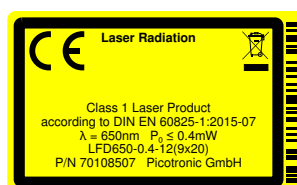
### Cable Colors

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

### Drawing



### Safety Label



### Revision

REV 13 | 10-OCT-2018

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