

## Cross laser, red, 650nm, 45°, 0.75mW

LFC650-1-12(9x20)45-F100-C220

Order Number: 70109733

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Diode Power	0.5	0.75	1	mW
Operating Voltage	3	3	12	V DC
Operating Current	5	15	20	mA
Operating Temperature	-20		40	°C
Storage Temperature	-40		80	°C

### Technical Parameters

Lifetime	>3000h
RoHS	yes

### Optical Parameters

Beam Shape	Cross
Laser Class	1
Divergence	H - 1.0mrad
Fan Angle	45°
Line Thickness	<1mm@0.1m
Operating Distance	0.1m
Optics	acryl lense
Laser technology	diode
Protection Lens	yes
Focus	fixed (100mm)

### Electrical Parameters

Potential of Housing	VDD(+)
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### Mechanical Parameters

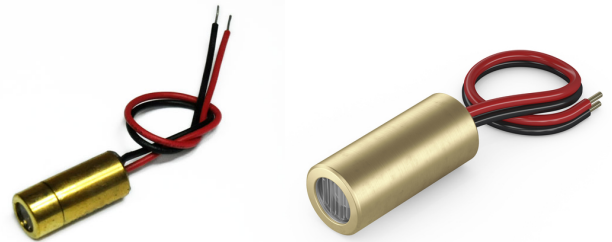
Size	Ø9x20mm
Material	Brass
Cable length	220mm
Wire type	26AWG, 0,14mm <sup>2</sup>
Output Aperture	6mm
Weight	5.5g

(\*) Over the complete operating temperature range


### Features

- Fan angle 45°
- Operating Voltage 3-12V DC
- Laser Class 1
- Fixed focus
- Uniform line thickness

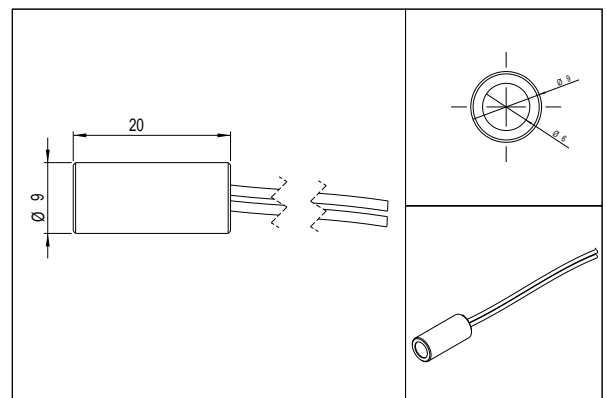
### Picture



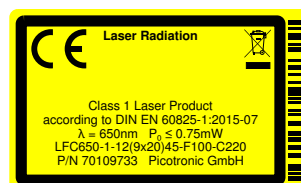
### Cable Colors

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

### Drawing



### Safety Label



### Revision

REV 2 | 21-FEB-2019

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