

## Red Line Lasermodule

LFL650-5-12(9x20)90-F250

Order Number: 70109986

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

### Optical Parameters

Beam Shape	Line
Laser Class	1
Divergence	1mrad
Fan Angle	90°
Line Thickness	<1mm@0.25m
Operating Distance	0.25m
Optics	acrylic lens
Laser technology	Diode
Focus	fixed (250mm)

### Technical Parameters

Lifetime	>3000h
RoHS	yes

### Electrical Parameters

Potential of Housing	VDD(+)
Power Supply	LFNT-5

### Mechanical Parameters

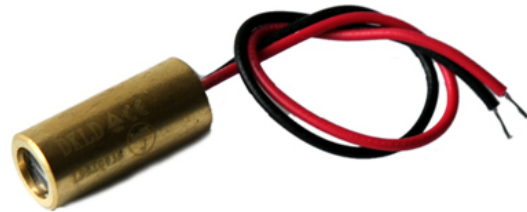
Size	Ø9x20mm
Material	Brass
Cable length	100mm
Wire type	26AWG, 0,14mm <sup>2</sup>
Output Aperture	6mm
Weight	6g

(\*) Over the complete operating temperature

### Features

- Operating Voltage 3-12V DC
- Compact size
- Uniform line thickness
- Low cost
- Laser Class 1

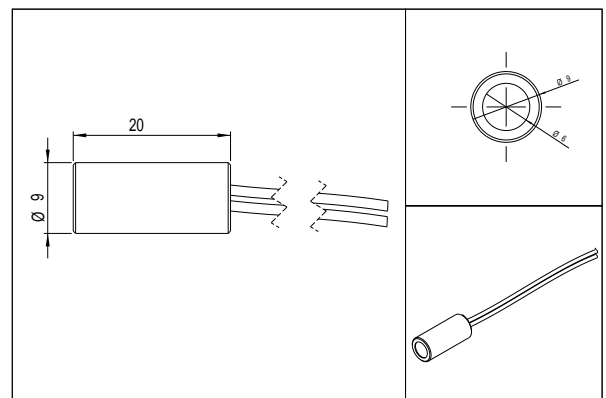
### Picture



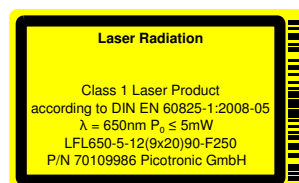
### Cable Colors

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

### Drawing



### Safety Label



### Revision

REV 13

Laserfuchs is a registered trademark of the Picotronic GmbH

<b>Picotronic GmbH</b>	Geschäftsführende Gesellschafter:	FON +49(0)261-983 497-50 FAX +49(0)261-983 497-55 www.laserfuchs.de info@laserfuchs.de	Sparkasse Koblenz BLZ 570 501 20, KTO 211 003 BIC / IBAN : MALADE51KOB DE41 5705 0120 0000 2110 03	Postbank Stuttgart BLZ 600 100 70, KTO 770 787 04 BIC / IBAN : PBNKDEFF DE41 6001 0070 0077 0787 04	Steuernummer: 22/651/0291/4 Ust-Idnr. DE814473445 Amtsgericht Koblenz HRB 20026 WEEE-Reg.-Nr. DE85231360
------------------------	--------------------------------------	---	---	--	---