

Red Dot Lasermodule

LFD650-0.4-12(9x20)

Order Number: 70108507

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Diode Power	0.2	0.3	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

Optical Parameters

Beam Shape	Dot
Laser Class	1
Divergence	1mrad
Beam Diameter	3mm
Size of Laserdot	<4..5mm@5m
Operating Distance	10m
Optics	acrylic lens
Laser technology	Diode
Focus	fixed (5000mm)

Technical Parameters

Lifetime	>3000h
RoHS	yes

Electrical Parameters

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

Mechanical Parameters

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

(*) Over the complete operating temperature

Features

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

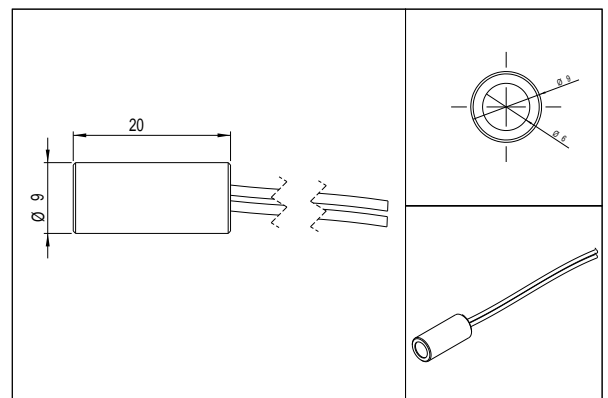
Picture



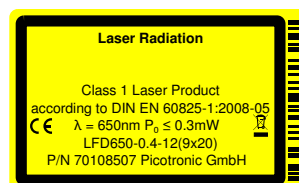
Cable Colors

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

Drawing



Safety Label



Revision

REV 13

Laserfuchs is a registered trademark of the Picotronic GmbH

Picotronic GmbH	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
------------------------	--------------------------------------	-------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------