

Red Dot Lasermodule

LFD650-1-12(9x20)

Order Number: 70103984

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	15	25	30	mA
Operating Temperature	-20		40	°C
Storage Temperature	-40		80	°C

Optical Parameters

Beam Shape	Dot
Laser Class	2
Divergence	1mrad
Beam Diameter	3mm
Size of Laserdot	<3..4mm@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

- Operating Voltage 3-12V DC
- Low cost
- Laser Class 2
- Compact size
- Fixed focus

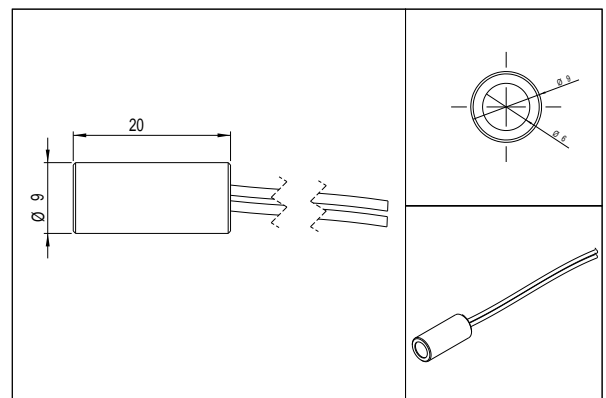
Picture



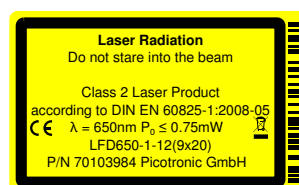
Cable Colors

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

Drawing



Safety Label



Revision

REV 22 | 28-MAY-2014

Laserfuchs is a registered trademark of the Picotronic GmbH

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