

Dot laser, red, 650nm, 1mW

LFD650-1-3(6x17)

Order Number: 70115864

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Diode Power		1		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	5	10	15	mA
Operating Temperature	-20		40	°C
Storage Temperature	-40		80	°C

Technical Parameters

Lifetime	>3000h
RoHS	yes

Optical Parameters

Beam Shape	Dot
Laser Class	2
Divergence	H - 1.0mrad
Beam Diameter	3mm
Size of Laserdot	<8mm@10m
Operating Distance	10m
Optics	acryl lense
Laser technology	Single Mode Diode
Focus	collimated

Electrical Parameters

Potential of Housing	VDD(+)
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Mechanical Parameters

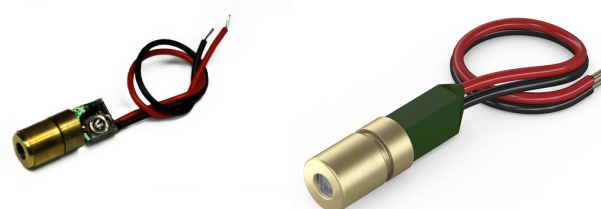
Size	Ø6x17mm
Material	Brass
Cable length	70mm
Output Aperture	3mm
Weight	2g

(*) Over the complete operating temperature range

Features

- Operating Voltage 3V DC
- Laser Class 2
- Low power consumption
- Compact size
- Low cost

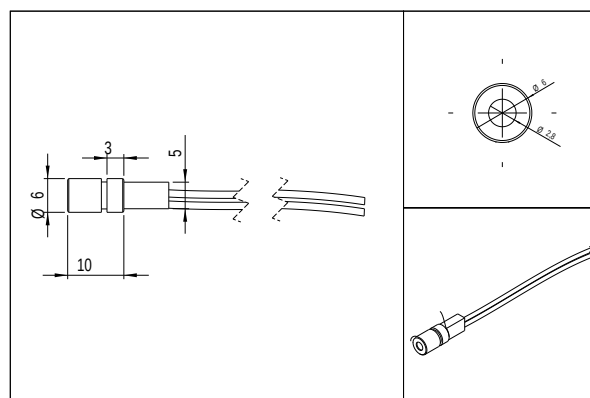
Picture



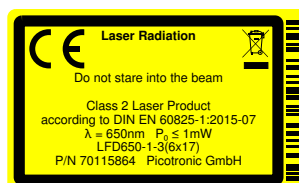
Cable Colors

Ground		black	GND
Positive		red	2.7 - 3.3, typ 3V DC

Drawing



Safety Label



Revision

REV 1 | 06-FEB-2019

Laserfuchs is a registered trademark of the Picotronic GmbH

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