

## Dot laser, red, 650nm, 3mW

LFD650-3-3(6x20)-3000H

Order Number: 70116113

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Diode Power		3		mW
Operating Voltage	2.6	3	3.3	V DC
Operating Current	10	20	30	mA
Operating Temperature	-10		40	°C
Storage Temperature	-40		80	°C

### Technical Parameters

Lifetime	>3000h
RoHS	yes

### Optical Parameters

Beam Shape	Dot
Laser Class	3R
Divergence	H - 1.0mrad
Size of Laserdot	3..5@5m
Operating Distance	10m
Optics	acryl lens
Laser technology	Single Mode Diode
Focus	fixed (5.0m)

### Electrical Parameters

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

Size	Ø6x20mm
Material	Brass
Cable length	100mm
Wire type	26AWG, 0,14mm <sup>2</sup>
Output Aperture	3mm
Weight	2.2g

(\*) Over the complete operating temperature range

### Features

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

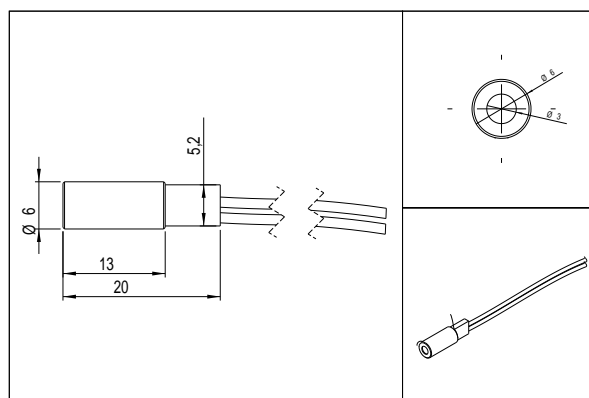
### Picture



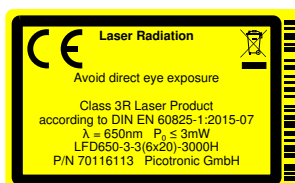
### Cable Colors

Ground		black	GND
Positive		red	2.6 - 3.3, typ 3V DC

### Drawing



### Safety Label



### Revision

REV 9 | 28-MAY-2018

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