



Dot laser, red, 650 nm, 1 mW

LFD650-1-3(6x17)-F2000
Order Number: 70151404

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

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 3,000 h
RoHS	yes

Optical Parameters

Beam Shape	Dot
Laser Class	2
Divergence	H - 1.0 mrad
Beam Diameter	3 mm
Size of Laserdot	<1.5mm@2m
Operating Distance	5 m
Optics	acryl lense
Laser technology	Single Mode Diode
Focus	fixed (2000mm)

Electrical Parameters

Potential of Housing	VDD(+)
Power Supply	Power Supply with stripped/tinned wires, Output: 3.3V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3.3W max.

Mechanical Parameters

Size	Ø6x17 mm
Material	Brass
Cable length	70 mm
Wire type	Belden, Typ 1007, 26AWG
Output Aperture	3 mm
Weight	2 g

(*) Over the complete operating temperature range

Features



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

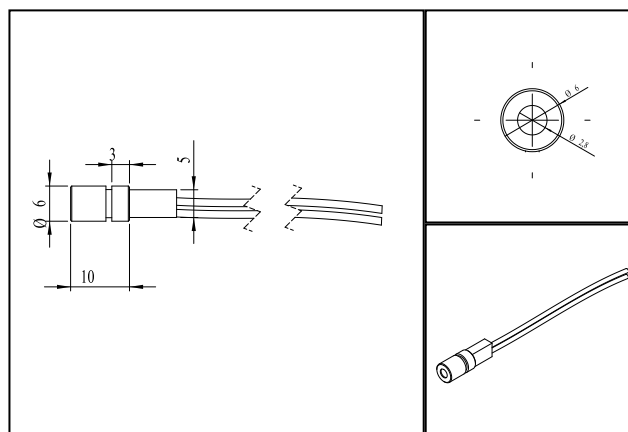
Picture



Cable color

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

Drawing



Safety Label



Valid Revision

| 10-MAY-2022