



Dot laser, red, 650 nm, 3.5 mW

LFD650-5-12(9x20)
Order Number: 70103991

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Diode Power	2	3.5	5	mW
Operating Voltage	3	3	12	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	3R
Divergence	H - 1.0 mrad
Beam Diameter	2.5 mm
Size of Laserdot	<3..5mm@5m
Operating Distance	10 m
Optics	acryl lense
Laser technology	diode
Focus	collimated

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	Ø9x20 mm
Material	Brass
Cable length	100 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	2.5 mm
Weight	6 g

(*) Over the complete operating temperature range

Features



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

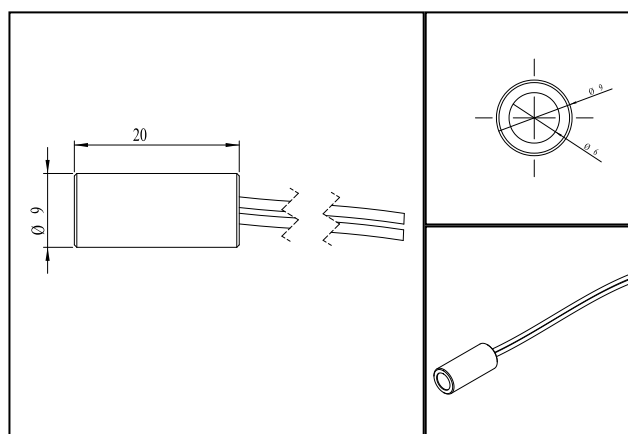
Picture



Cable color

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

Drawing



Safety Label



Valid Revision

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