



Dot laser, infrared, 780 nm, 1 mW

LFD780-1-3(8x23)
Order Number: 70103892

Main Parameters (*)	min	typ	max	Unit
Wavelength		780		nm
Optical Diode Power		1		mW
Operating Voltage	2.3	3	3.3	V DC
Operating Current	10	20	30	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	G - 0.8 mrad
Size of Laserdot	<4..6mm@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	Ø8x23 mm
Material	Brass
Cable length	100 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	3.8 mm
Weight	4 g

(*) Over the complete operating temperature range

Features



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

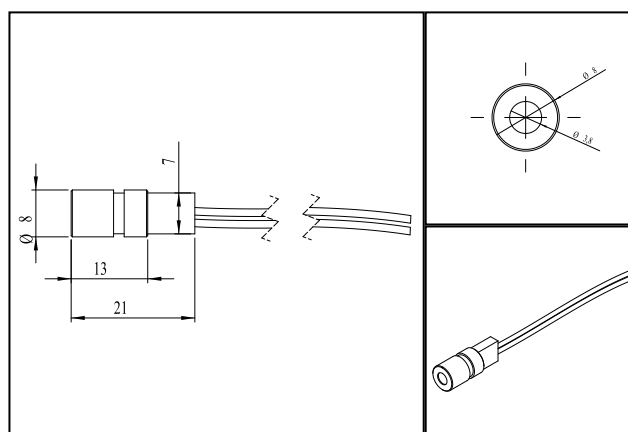
Picture



Cable color

Ground		white	GND
Positive		red	2.3 - 3.3, typ 3 V DC

Drawing



Safety Label



Valid Revision

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