

Dot laser, red, 650 nm, 0.3 mW

LFD650-0.4-12(10x22)
Order Number: 70108514

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Diode Power	0.2	0.3	0.4	mW
Operating Voltage	3		12	V DC
Operating Current	10	15	25	mA
Operating Temperature	-20		40	°C
Storage Temperature	-40		80	°C

Main Data

Warranty 1 years

Technical Parameters

Lifetime >3,000h
RoHS yes

Optical Parameters

Beam Shape	Dot
Laser Class	1
Divergence	H - 1.0 mrad
Beam Diameter	3.5 mm
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

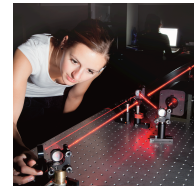
Size	Ø10x22 mm
Material	Brass
Cable length	100 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	3.5 mm
Weight	9g
Stripping of wire	5 mm

(*) Over the complete operating temperature range



Features

- Low cost
- Compact size
- Laser Class 1
- Operating Voltage 3-12V DC
- Low power consumption

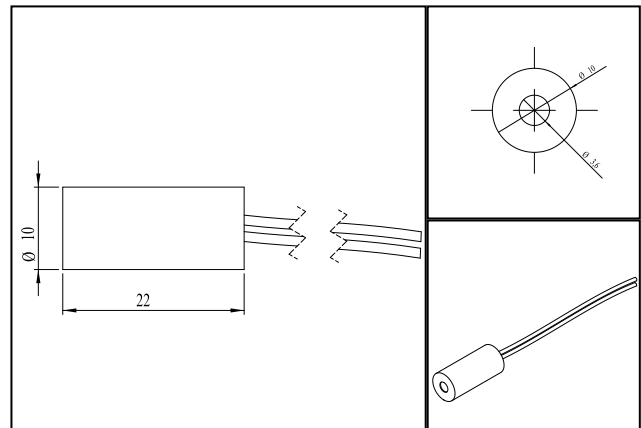
Picture



Cable color

Ground		black	GND
Positive		red	3 - 12 V DC

Drawing



Safety Label



Valid Revision

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