

Dot laser, red, 650 nm, 0.4 mW

DI650-0.4-3(5x12)-F100
Order Number: 70120240

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		0.4		mW
Operating Voltage	2.8	3	3.3	V DC
Operating Current	7	15	30	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
----------	---------

Technical Parameters

Lifetime	> 5,000 h
RoHS	yes

Optical Parameters

Beam Shape	Dot
Laser Class	1
Divergence	1 - 1.5 mrad
Beam Diameter	3 mm
Size of Laserdot	0.3mm@100mm
Operating Distance	0.1 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (100mm)

Electrical Parameters

Potential of Housing	isolated
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	Ø5x12 mm
Material	Brass
Cable length	100 mm
Wire type	26AWG, 0,14mm ²
Housing Color	black
Weight	3 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



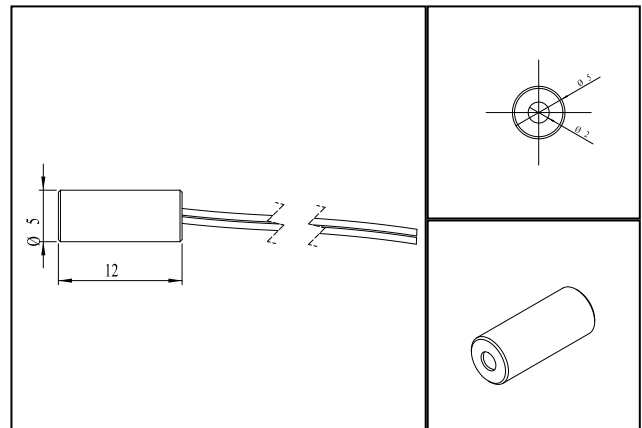
Picture



Cable color

Ground		black	GND
Positive		red	2.8 - 3.3, typ 3 V DC

Drawing



Safety Label



Valid Revision

| 10-JAN-2023