

Dot laser, red, 650 nm, 1 mW

DI650-1-5(20X80)-F2000-C700-CON
Order Number: 70157253

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		1		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	15	27	45	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 5,000 h
RoHS	yes

Optical Parameters

Beam Shape	Dot
Laser Class	2
Divergence	1 - 1.5 mrad
Size of Laserdot	<1.5mm@2m
Operating Distance	2 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (2000mm)

Electrical Parameters

Potential of Housing	isolated
Connector	2.1 mm DC socket (GND inner)
Power Supply	Power Supply, Output: 5V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3W max, Connector 2,1x5,5x9,5mm center negative

Mechanical Parameters

Size	Ø20x80 mm
Material	aluminium

Cable length	700 mm
Wire type	22AWG, black, 3,6mm
Output Aperture	2 mm
Housing Color	silver
Weight	3.5 g
Stripping of wire	10 mm

(*) Over the complete operating temperature range

Features



- Glas lenses anti reflex coated
- Small package
- Operating Voltage 5 V DC
- Laser Class 2

Picture



Cable color

Ground		black	GND
Positive		red	4,5 - 5.5, typ 5 V DC

Safety Label



Valid Revision

| 10-FEB-2023