

## Dot laser, red, 650 nm, 1 mW

DI650-1-5(10x50)  
Order Number: 70125870

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	10	22	35	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	2
Divergence	1 - 1.5 mrad
Beam Diameter	2 mm
Size of Laserdot	<3..5mm@10m
Operating Distance	10 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	collimated

### Electrical Parameters

Potential of Housing	isolated
Power Supply	Power Supply with stripped/tinned wires, Output: 5V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3W max.
Stripping of cable cover	50 mm

### Mechanical Parameters

Size	Ø10x50 mm
Material	aluminium

Cable length	1,700 mm
Wire type	18AWG, black, 3,6mm
Output Aperture	2 mm
Housing Color	black
Weight	15 g
Stripping of wire	5 mm

(\*) Over the complete operating temperature range

### Features



- Operating Voltage 5V DC
- Laser Class 2
- Low power consumption
- Compact size
- Fixed focus

### Picture



### Cable color

Ground		black	GND
Positive		white	4.5 - 5.5, typ 5 V DC

### Safety Label



### Valid Revision

| 12-AUG-2021