

Dot laser, red, 650 nm, 5 mW

DI650-5-5(20x80)-F100
Order Number: 70144437

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		5		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	3R
Divergence	1 - 1.5 mrad
Size of Laserdot	<1mm@0.1m
Operating Distance	0.1 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Axial Divergence	± 0.1°
Focus	fixed (100mm)

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.

Mechanical Parameters

Size	Ø20x80 mm
Material	aluminium
Cable length	100 mm

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

(*) Over the complete operating temperature range

Features



- Axial parallel
- Glas lenses anti reflex coated
- Small package
- Operating Voltage 5 V DC
- Laser Class 3R

Picture



Cable color

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

Safety Label



Valid Revision

| 14-JAN-2020