

Dot laser, red, 650 nm, 2 mW

DI650-2-3(4x8)-F30
Order Number: 70148176

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		2		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
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Technical Parameters

Lifetime	> 5,000 h
RoHS	yes

Optical Parameters

Beam Shape	Dot
Laser Class	3R
Divergence	I - 1.5 mrad
Size of Laserdot	<0.04mm@30mm
Operating Distance	0.03 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (30mm)

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	Ø4x8 mm
Material	Brass
Cable length	120 mm

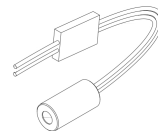
Wire type	28AWG, Typ 1061, UL1061
Housing Color	black
Weight	3 g
PCB	yes
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



Picture



Cable color

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

Safety Label



Valid Revision

| 18-JAN-2022