

Dot laser, red, 650 nm, 1 mW

DI650-1-3(8x21)-F344-C350-AP
Order Number: 70131239

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		1		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	10	28	40	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

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

Technical Parameters

Lifetime	> 20,000 h
RoHS	yes

Optical Parameters

Beam Shape	Dot
Laser Class	2
Divergence	1 - 1.5 mrad
Beam Diameter	2.5 mm
Size of Laserdot	<1mm@0.344m
Operating Distance	0.344 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (344mm)

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.
Stripping of cable cover	50 mm

Mechanical Parameters

Size	Ø8x21 mm
Material	aluminium

Cable length	350 mm
Wire type	24AWG, black, 3mm
Output Aperture	2.5 mm
Housing Color	black
Weight	1.5 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Operating Voltage 3V DC
- Laser Class 2
- Compact size
- Fixed focus
- Low power consumption

Picture



Cable color

Ground		blue	GND
Positive		red	2.7 - 3.3, typ 3 V DC

Safety Label



Valid Revision

| 26-OCT-2023