

Dot laser, red, 650 nm, 1 mW

DG650-1-3(8x20)-ITA
Order Number: 70121612

Main Parameters (*)	min	typ	max	Unit
Wavelength	645	650	660	nm
Optical Output Power		1		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	15	25	40	mA
Operating Temperature	-20		70	°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	G - 0.8 mrad
Beam Diameter	2.5 mm
Size of Laserdot	<4..6mm@5m
Operating Distance	10 m
Optics	acryl lense
Laser technology	Single Mode Diode
Focus	collimated

Electrical Parameters

Potential of Housing	isolated
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	Ø8x20 mm
Material	aluminium

Cable length	150 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	2.5 mm
Housing Color	black
Weight	1.5g

(*) Over the complete operating temperature range

Features





- Operating Voltage 3 V 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

| 05-JAN-2017