

Dot laser, red, 650 nm, 1 mW

DC650-1-3(8x25)-HT-CON-JST
Order Number: 70125993

Main Parameters (*)	min	typ	max	Unit
Wavelength	645	650	655	nm
Optical Output Power	0.8	1	1	mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	10	20	40	mA
Operating Temperature	-20		70	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 2,000 h
RoHS	yes

Optical Parameters

Beam Shape	Dot
Laser Class	2
Divergence	C - 0.4 mrad
Size of Laserdot	<6mm@10m
Operating Distance	10 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	collimated

Electrical Parameters

Potential of Housing	isolated
Connector	JST ZHR 2 2pol 1.5mm Pitch
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	Ø8x25 mm
Material	aluminium

Cable length	200 mm
Wire type	26AWG, 0,14mm²
Output Aperture	3.5 mm
Housing Color	black
Weight	3.5 g
Protection Class	IP 67

(*) Over the complete operating temperature range

Features



- Operating Voltage 3V DC
- Laser Class 2
- Low power consumption
- Compact size
- High Temperature

Picture



Cable color

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

Safety Label



Valid Revision

| 07-JUL-2022