

Dot laser, red, 650 nm, 1 mW

DC650-1-3(8x25)-HT
Order Number: 70122114

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

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
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 400 mm

Wire type	26AWG, 0,14mm ² , diameter 0.8mm max 1.00mm
Output Aperture	3.5 mm
Housing Color	black
Weight	3.5 g
Protection Class	IP67
Stripping of wire	5 mm

(*) 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

| 12-JUL-2022