

Dot laser, infrared, 980 nm, 1 mW

DC980-1-3(8x25)
Order Number: 70124774

Main Parameters (*)	min	typ	max	Unit
Wavelength		980		nm
Optical Output Power		1		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	9	15	25	mA
Operating Temperature	-20		50	°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	1
Divergence	C - 0.4 mrad
Beam Diameter	4 mm
Size of Laserdot	<4..5mm@5m
Operating Distance	30 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	100 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	4 mm
Housing Color	black
Weight	4 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Laser Class 1
- Operating Voltage 3V DC
- Compact size
- Glas lenses anti reflex coated
- Fixed focus

Picture



Cable color

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

Safety Label



Valid Revision

| 08-MAR-2022