

Dot laser, infrared, 980 nm, 20 mW

DC980-20-5(14x50)-F200
Order Number: 70146707

Main Parameters (*)	min	typ	max	Unit
Wavelength	975	980	985	nm
Optical Output Power	0	20	20	mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	50	75	90	mA
Operating Temperature	-20		60	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 10,000 h
RoHS	yes

Optical Parameters

Beam Shape	Dot
Laser Class	3R
Divergence	C - 0.4 mrad
Beam Diameter	2 mm
Size of Laserdot	<2mm@200mm
Operating Distance	0.2 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (200mm)

Electrical Parameters

Potential of Housing	isolated
Cable color power control	Yellow
Power Supply	Power Supply with stripped/tinned wires, Output: 5V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3W max.

Mechanical Parameters

Size	Ø14x50 mm
Material	aluminium

Cable length	200 mm
Wire type	26AWG, 0,14mm²
Output Aperture	4 mm
Housing Color	black
Weight	4 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Laser Class 3R
- Operating Voltage 5V DC
- Third wire for power control
- Fixed focus at 200mm
- Spot size 2mm

Picture



Cable color

Ground		black	GND
Positive		red	4.5 - 5.5, typ 5 V DC

Safety Label



Valid Revision

| 21-APR-2020