

Dot laser, green, 520 nm, 1 mW

DF520-1-5(3.8x9.15)-QCW
Order Number: 70118384

Main Parameters (*)	min	typ	max	Unit
Wavelength	510	520	530	nm
Optical Output Power		1		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	15	30	40	mA
Operating Temperature	-10		60	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	>6,000 h
RoHS	yes

Optical Parameters

Beam Shape	Dot
Laser Class	2
Divergence	F - 0.7 mrad
Size of Laserdot	<12mm@10m
Operating Distance	25 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Stability	+/- 3% @ -10-50°C
Focus	collimated
internal modulation frequency	1 kHz

Electrical Parameters

Power Supply	Power Supply with stripped/tinned wires, Output: 5V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3W max.
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Mechanical Parameters

Size	Ø3.8x9.15 mm
Material	Brass

Cable length	100 mm
Output Aperture	2 mm
Weight	3.5 g
PCB	yes
PCB size	Ø18x7 mm

(*) Over the complete operating temperature range

Features



- Operating Voltage 5 V DC
- Compact size
- Laser Class 2
- High Power
- Fixed focus

Picture



Cable color

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

Safety Label



Valid Revision

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