

Dot laser, green, 520nm, 1mW

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

Technical Parameters

Lifetime	>6000h
RoHS	yes

Optical Parameters

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

Electrical Parameters

Power Supply	LFNT-5
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Mechanical Parameters

Size	Ø3.8x9.15mm
Material	Brass
Cable length	100mm
Output Aperture	2mm
Weight	3.5g
PCB	yes
PCB size	Ø7x18mm

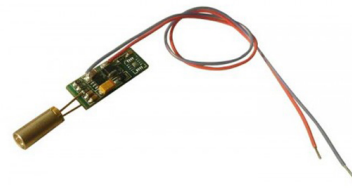
(*) Over the complete operating temperature range

Features





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

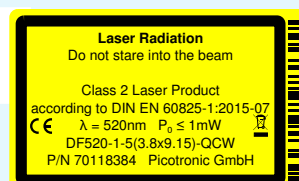
Picture



Cable Colors

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

Safety Label



Revision

REV 22 | 14-JAN-2016