

## Dot laser, green, 520 nm, 1 mW

DG520-1-5(8x35)-QCW  
Order Number: 70118285

Main Parameters (*)	min	typ	max	Unit
Wavelength	510	520	525	nm
Optical Output Power	0.6	1	1	mW
Operating Voltage	4.7	5	5.5	V DC
Operating Current	11	40	80	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	G - 0.8 mrad
Size of Laserdot	<8mm@10m
Operating Distance	30 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	LFNT-5
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### Mechanical Parameters

Size	Ø8x35 mm
Material	aluminium
Cable length	100 mm
Wire type	26AWG, 0,14mm <sup>2</sup>
Output Aperture	3 mm
Housing Color	black
Weight	16 g
PCB	yes
Stripping of wire	5 mm

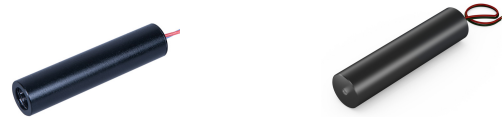
(\*) Over the complete operating temperature range

## Features



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

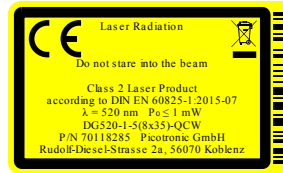
## Picture



## Cable color

Ground		blue	GND
positive		red	4.7 - 5.5, typ 5 V DC

## Safety Label



## Valid Revision

22 | 16-MAR-2021