

## Dot laser, green, 520 nm, 10 mW

DF520-10-5(8x35)  
Order Number: 70118308

Main Parameters (*)	min	typ	max	Unit
Wavelength	510	520	530	nm
Optical Output Power		10		mW
Operating Voltage	4.7	5	5.3	V DC
Operating Current	50	100	150	mA
Operating Temperature	-10		60	°C
Storage Temperature	-40		80	°C

### Main Data

Warranty 1 years

### Technical Parameters

Lifetime >6,000 h  
RoHS yes

### Optical Parameters

Beam Shape	Dot
Laser Class	3B
Divergence	F - 0.7 mrad
Size of Laserdot	<8mm@10m
Operating Distance	100 m
Optics	glass lens AR coated
Laser technology	diode
Stability	+/- 3% @ -10-50°C
Focus	collimated
internal modulation frequency	1 kHz

### Electrical Parameters

Potential of Housing	VDD(+)
Power Supply	Power Supply with stripped/tinned wires, Output: 5V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3W max.

### 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	3.5 g

(\*) Over the complete operating temperature range

### Features



- Operating Voltage 5 V DC
- Compact size
- Laser Class 3B
- High Power
- Fixed focus

### Picture



### Cable color

Ground		blue	GND
Positive		red	4.7 - 5.3, typ 5 V DC

### Safety Label



### Valid Revision

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