

Dot laser, green, 520nm, 10mW

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

Technical Parameters

Lifetime	>6000h
RoHS	yes

Optical Parameters

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

Electrical Parameters

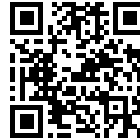
Potential of Housing	VDD(+)
Power Supply	LFNT-5

Mechanical Parameters

Size	Ø8x35mm
Material	aluminium
Cable length	100mm
Wire type	26AWG, 0,14mm ²
Output Aperture	3mm
Housing Color	black
Weight	3.5g

(*) Over the complete operating temperature range

Features





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

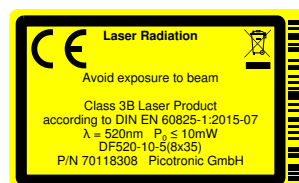
Picture



Cable Colors

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

Safety Label



Revision

REV 22 | 21-FEB-2019