

Dot laser, green, 520 nm, 1 mW

DI520-1-3(12x47)
Order Number: 70125740

Main Parameters (*)	min	typ	max	Unit
Wavelength	510	520	530	nm
Optical Output Power		1	1	mW
Operating Voltage	2.8	3	3.3	V DC
Operating Current	50	120	200	mA
Operating Temperature	-10		60	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 10,000 h
RoHS	yes

Optical Parameters

Beam Shape	Dot
Laser Class	2
Divergence	1 - 1.5 mrad
Size of Laserdot	<8mm@10m
Operating Distance	20 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	collimated

Electrical Parameters

Potential of Housing	isolated
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Mechanical Parameters

Size	Ø12x47 mm
Material	aluminium
Cable length	150 mm
Wire type	26AWG, 0,14mm²
Output Aperture	4.5 mm

Housing Color	brass
Weight	9 g
PCB	no
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Low Power consumption
- Direct green 520nm

Picture



Cable color

Ground		white	GND
Positive		red	2.8 - 3.3, typ 3 V DC

Safety Label



Valid Revision

| 23-FEB-2021