

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

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

Mechanical Parameters

Size	Ø12x47 mm
Material	aluminium
Cable length	150 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	4.5 mm
Housing Color	brass
Weight	9 g
PCB	no
Stripping of wire	5 mm

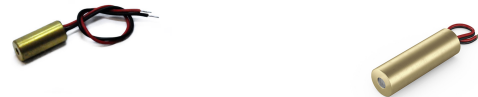
(*) Over the complete operating temperature range

Features



- Low Power consumption
- Direct green 520nm

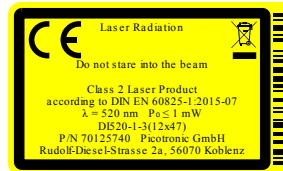
Picture



Cable color

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

Safety Label



Valid Revision

| 23-FEB-2021