

Dot laser, green, 520 nm, 1 mW

DD520-1-12(12x40)-QCW
Order Number: 70124477

Main Parameters (*)	min	typ	max	Unit
Wavelength	510	520	530	nm
Optical Output Power		1		mW
Operating Voltage	10.8	12	13.8	V DC
Operating Current	5	10	40	mA
Operating Temperature	-10		60	°C
Storage Temperature	-40		80	°C

Technical Parameters

Lifetime	>6000 h
RoHS	yes

Optical Parameters

Beam Shape	Dot
Laser Class	2
Divergence	D - 0.5 mrad
Size of Laserdot	6mm@10m
Operating Distance	35 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Stability	+/- 3% @ -10-50°C
Axial Divergence	±0.5 °
Focus	collimated
internal modulation frequency	1 Kiloherz

Mechanical Parameters

Size	Ø12x40 mm
Material	aluminium
Cable length	3000 mm
Wire type	22AWG, black, 3,6mm
Output Aperture	3 mm
Housing Color	black
Weight	70 g
PCB	yes
Protection Class	IP54

(*) Over the complete operating temperature range

Features





- Operating Voltage 12 V DC
- Compact size
- Laser Class 2
- Fixed focus

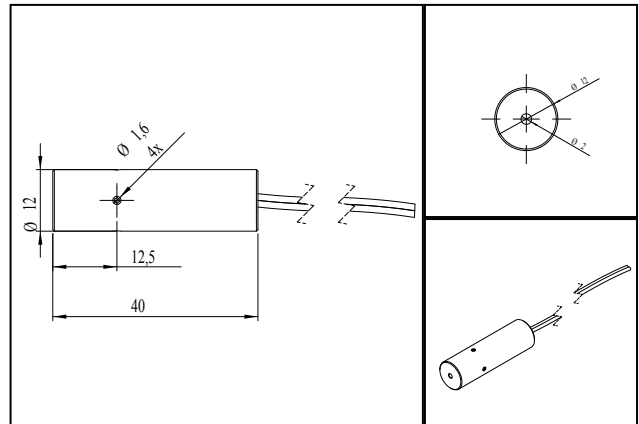
Picture



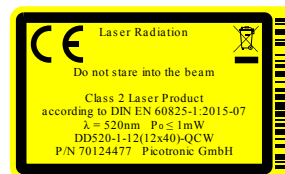
Cable color

Ground		black	GND
Positive		white	10.8 - 13.8, typ 12 V DC

Drawing



safety label



Valid Revision

| 08-JAN-2018