

Line laser, green, 520 nm, 60°, 1 mW

LD520-1-5(16x50)60DEG
Order Number: 70129953

Main Parameters (*)	min	typ	max	Unit
Wavelength	510	520	530	nm
Optical Output Power	0.8	1	1	mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	40	70	100	mA
Operating Temperature	0		50	°C
Storage Temperature	-10		60	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 10,000 h
RoHS	yes

Optical Parameters

Beam Shape	Line
Laser Class	1
Divergence	D - 0.5 mrad
Fan Angle	60°
Line Thickness	<2mm@1m
Operating Distance	5m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Opt. Power Stability at const. Temp.	<5%
Stability	<10%@-10°C + 60°C
Axial Divergence	± 1°
Focus	fixed (1000mm)

Electrical Parameters

Potential of Housing	isolated
ESD Protection	yes
Stripping of cable cover	15 mm

Mechanical Parameters

Size	Ø16x50 mm
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Material	aluminium
Cable length	350 mm
Wire type	24AWG, black, 3mm
Output Aperture	4.5 mm
Housing Color	black
Weight	14 g
Protection Class	IP 64

(*) Over the complete operating temperature range

Features



- Operating Voltage 5 V DC
- Laser Class 1
- Compact size
- Glas lenses anti reflex coated
- Fixed focus

Picture



Cable color

Ground		black	GND
Positive		yellow	4.5 - 5.5, typ 5 V DC

Safety Label



Valid Revision

| 14-OCT-2019