

Line laser, green, 520 nm, 110°, 10 mW

LD520-10-5(20x80)110DEG-QCW-V3
Order Number: 70126440

Main Parameters (*)	min	typ	max	Unit
Wavelength	515	520	525	nm
Optical Output Power		10		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	40	100	180	mA
Operating Temperature	-10		60	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	>6,000 h
RoHS	yes

Optical Parameters

Beam Shape	Line
Laser Class	1M
Divergence	D - 0.5 mrad
Fan Angle	110°
Line Thickness	<1.5mm@3m
Operating Distance	3 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Stability	+/- 3% @ -10-50°C
Axial Divergence	± 2.5°
Focus	fixed (3000mm)
internal modulation frequency	1 kHz

Electrical Parameters

Potential of Housing	isolated
Power Supply	Power Supply with stripped/tinned wires, Output: 5V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3W max.
Stripping of cable cover	48 mm

Mechanical Parameters

Size	Ø20x80 mm
Material	aluminium
Cable length	148 mm
Wire type	22AWG, black, 3,6mm
Output Aperture	5 mm
Housing Color	black
Weight	55 g
Stripping of wire	3 mm

(*) Over the complete operating temperature range

Features



- Housing with 20H9 fitting

Picture



Cable color

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

Safety Label



Valid Revision

| 22-JUL-2024