

Line laser, green, 520 nm, 90°, 1 mW

LE520-1-3(12X32)90DEG-F150-QCW
Order Number: 70157536

Main Parameters (*)	min	typ	max	Unit
Wavelength	515	520	525	nm
Optical Output Power		1	1	mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	120	200	250	mA
Operating Temperature	-10		60	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 5,000 h
RoHS	yes

Optical Parameters

Beam Shape	Line
Laser Class	1M
Divergence	E - 0.6 mrad
Fan Angle	90°
Line Thickness	<0.8mm@150mm
Operating Distance	0.15 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (150mm)
internal modulation frequency	1 kHz

Electrical Parameters

Potential of Housing	isolated
Power Supply	Power Supply with stripped/tinned wires, Output: 3.3V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3.3W max.

Mechanical Parameters

Size	Ø12x32 mm
Material	aluminium
Cable length	100 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	5 mm
Housing Color	black
Weight	10 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Blue Lasermodule
- Operating Voltage 3V DC
- Glas lenses anti reflex coated
- Laser Class 1M

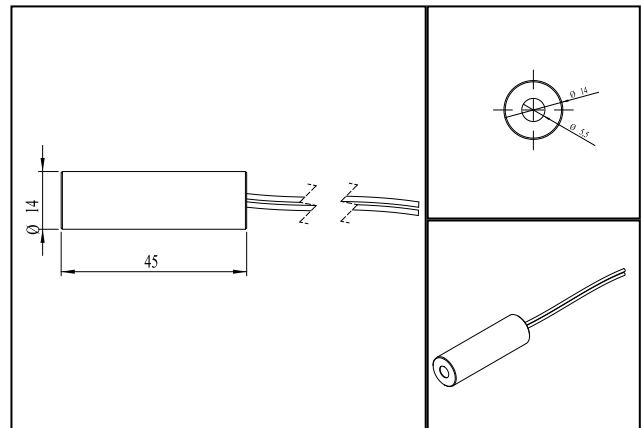
Picture



Cable color

Ground		black	GND
Positive		red	2.7 - 3.3, typ 3 V DC

Drawing



Safety Label



Valid Revision

| 21-JUN-2023