

Line laser, green, 520 nm, 90°, 0.1 mW

LC520-0.1-5-F(16x65)-QCW
Order Number: 70119749

Main Parameters (*)	min	typ	max	Unit
Wavelength	510	520	530	nm
Optical Output Power		0.1		mW
Operating Voltage	4.7	5	5.3	V DC
Operating Current	30	43	60	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	1
Divergence	C - 0.4 mrad
Fan Angle	90°
Line Thickness	adjustable
Operating Distance	1 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Stability	+/- 3% @ -10-50°C
Focus	adjustable
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.

Mechanical Parameters

Size	Ø16x65 mm
Material	aluminium
Cable length	100 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	5 mm
Housing Color	black
Weight	16 g

(*) Over the complete operating temperature range

Features



- Operating Voltage 5V DC
- Compact size
- Laser Class 1
- High Power
- Fixed focus

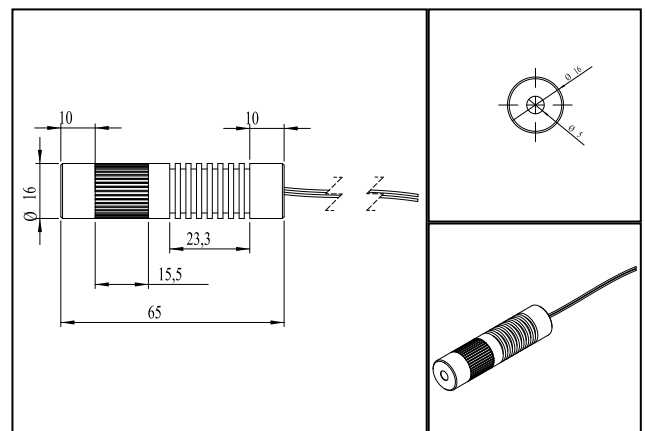
Picture



Cable color

Ground		black	GND
Positive		red	4.7 - 5.3, typ 5 V DC

Drawing



Safety Label



Valid Revision

| 23-FEB-2021