

Line laser, green, 520 nm, 90 °, 1 mW

LE520-1-3(14x45)90DEG-F150-QCW
Order Number: 70124637

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

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

Mechanical Parameters

Size	Ø14x45 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

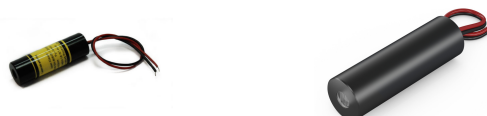
(*) Over the complete operating temperature range

Features



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

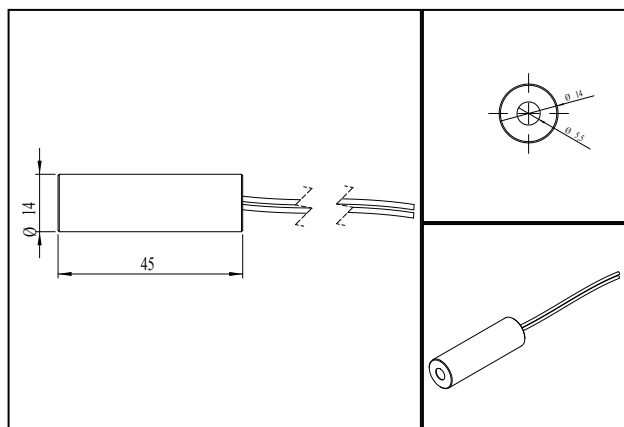
Picture



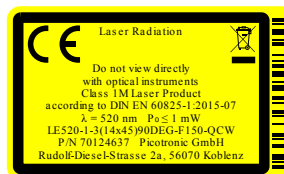
Cable color

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

Drawing



Safety Label



Valid Revision

| 17-OCT-2016