

Line laser, blue, 405 nm, 90°, 1 mW

LE405-1-3(14x45)90DEG-F150
Order Number: 70124620

Main Parameters (*)	min	typ	max	Unit
Wavelength	400	405	410	nm
Optical Output Power		1	1	mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	30	60	90	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	1
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)

Electrical Parameters

Potential of Housing	isolated
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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	10g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



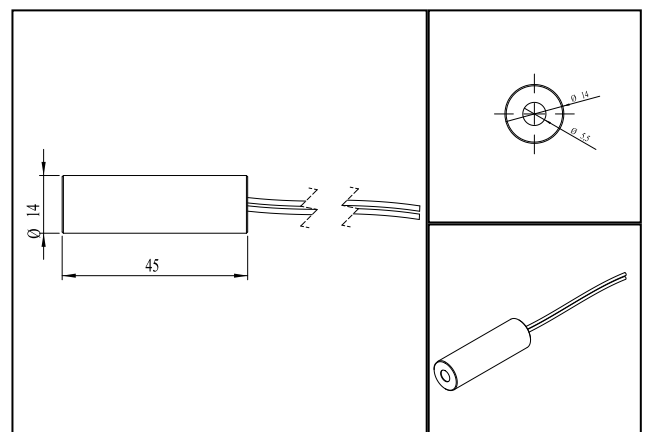
Picture



Cable color

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

Drawing



Safety Label



Valid Revision

| 26-SEP-2022