

Line laser, red, 635 nm, 45°, 15 mW

LE635-15-5(14x55)45-C500-F1000
Order Number: 70121247

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Output Power		15		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	100	170	200	mA
Operating Temperature	-20		50	°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	2
Divergence	E - 0.6 mrad
Fan Angle	45°
Line Thickness	<0.5mm@1m
Operating Distance	1 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (1000mm)

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	Ø14x55 mm
Material	aluminium
Cable length	500 mm
Wire type	18AWG, black, 3,6mm
Output Aperture	5.5 mm
Housing Color	black
Weight	28 g

(*) Over the complete operating temperature range

Features



- Laser Class 2
- Low power consumption
- Uniform line thickness
- Image processing

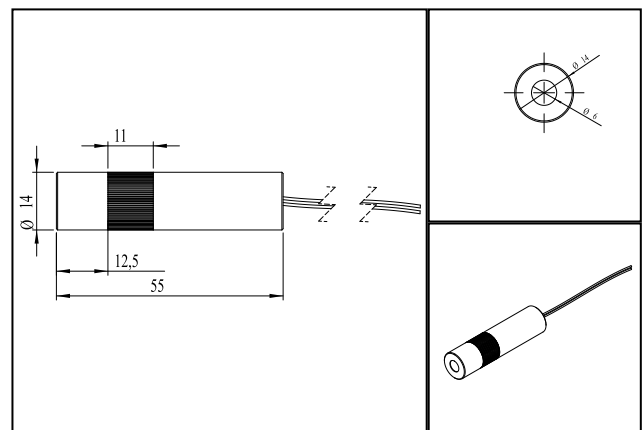
Picture



Cable color

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

Drawing



Safety Label



Valid Revision

| 25-MAY-2020