

Line laser, red, 635 nm, 45°, 15 mW

LE635-15-5(14x55)45-C500-F400
Order Number: 70120455

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	60	80	180	mA
Operating Temperature	-20		50	°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	2
Divergence	E - 0.6 mrad
Fan Angle	45°
Line Thickness	<0.5mm@0.4m
Operating Distance	0.4 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (400mm)

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.
Stripping of cable cover	50 mm

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
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



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

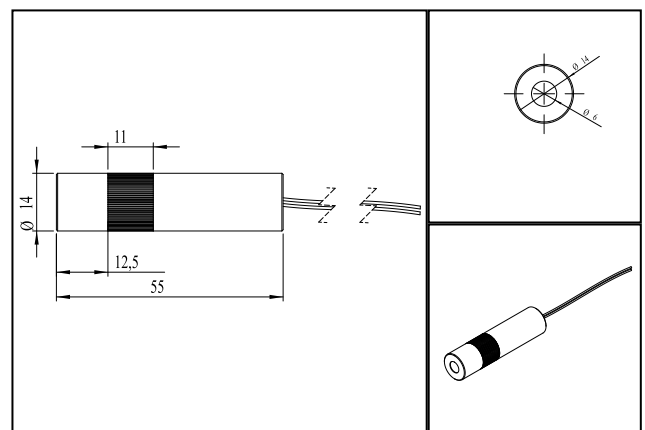
Picture



Cable color

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

Drawing



Safety Label



Valid Revision

| 23-FEB-2021