

Line laser, red, 635 nm, 90°, 16 mW

LE635-16-5(12x32)90DEG-F3000
Order Number: 70137583

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Output Power		16		mW
Operating Voltage	4.7	5	5.3	V DC
Operating Current	60	90	120	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	90°
Line Thickness	<1.5mm@3m
Operating Distance	3 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (3000mm)

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	Ø12x32 mm
Material	aluminium
Cable length	100 mm
Wire type	26AWG, 0,14mm ²
Housing Color	black
Weight	9 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Uniform illumination
- Uniform line thickness
- High power
- Laser Class 2

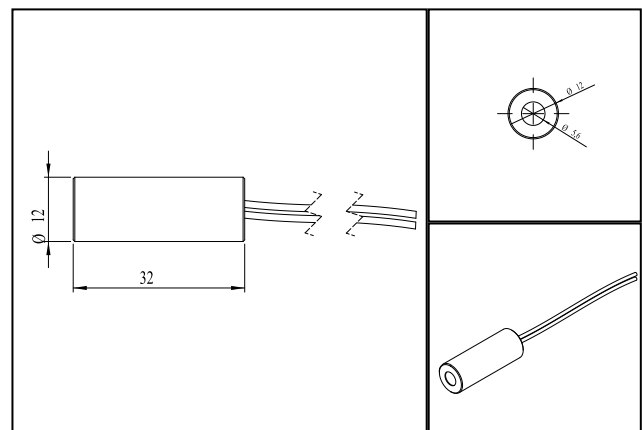
Picture



Cable color

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

Drawing



Safety Label



Valid Revision

| 25-MAR-2021