



Line laser, red, 635 nm, 90°, 5 mW

LFL635-5-4.5(9x20)90
Order Number: 70138771

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Diode Power	2	5	5	mW
Operating Voltage	3	4.5	4.5	V DC
Operating Current	20	40	60	mA
Operating Temperature	-20		40	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 3,000 h
RoHS	yes

Optical Parameters

Beam Shape	Line
Laser Class	1
Divergence	H - 1.0 mrad
Fan Angle	90°
Line Thickness	<1.2mm@1m
Operating Distance	2 m
Optics	acryl lense
Laser technology	diode
Focus	fixed (1000mm)

Electrical Parameters

Potential of Housing	VDD(+)
Power Supply	Power Supply with stripped/tinned wires, Output: 3.3V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3.3W max.

Mechanical Parameters

Size	Ø9x20 mm
Material	Brass
Cable length	100 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	6 mm
Weight	6 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



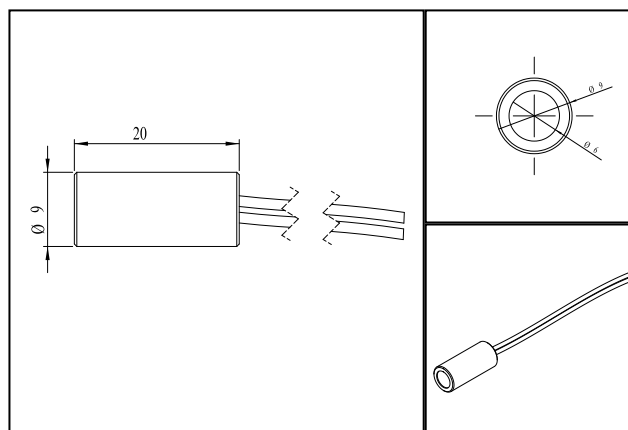
Picture



Cable color

Ground		black	GND
Positive		red	3 - 4.5, typ 4.5 V DC

Drawing



Safety Label



Valid Revision

| 13-APR-2023