

Line laser, red, 635 nm, 90°, 1 mW

LC635-1-3(6x30)-F150-C1000
Order Number: 70137675

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Output Power		1		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	15	32	50	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	1
Divergence	C - 0.4 mrad
Fan Angle	90°
Line Thickness	<0.1mm@0.15m
Operating Distance	0.15 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (150mm)

Electrical Parameters

Power Supply	Power Supply with stripped/tinned wires, Output: 3.3V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3.3W max.
Stripping of cable cover	50 mm

Mechanical Parameters

Size	Ø6x30 mm
Material	Brass

Cable length	1,000 mm
Wire type	Belden, Typ 1007, 26AWG
Output Aperture	3.5 mm
Housing Color	black
Weight	10 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Operating Voltage 3V DC
- Laser Class 1
- Uniform illumination
- Compact size
- Fan angle 90°

Picture



Cable color

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

Safety Label



Valid Revision

| 01-APR-2025