

Line laser, red, 650 nm, 90°, 1 mW

LC650-1-3(6x30)-F100
Order Number: 70106541

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		1		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	15	25	40	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 10,000 h
RoHS	yes

Optical Parameters

Beam Shape	Line
Laser Class	1
Divergence	C - 0.4 mrad
Fan Angle	90°
Line Thickness	<0.1mm@0.1m
Operating Distance	0.1 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (100mm)

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.
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Mechanical Parameters

Size	Ø6x30 mm
Material	Brass
Cable length	100 mm

Wire type	26AWG, 0,14mm²
Output Aperture	3.5 mm
Housing Color	black
Weight	4.2g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Operating Voltage 3V DC
- Laser Class 1
- Image processing
- For medical devices
- Uniform line thickness

Picture



Cable color

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

Safety Label



Valid Revision

7 | 28-AUG-2024