

Line laser, infrared, 850 nm, 90°, 10 mW

LI850-10-3(8x30)-F200
Order Number: 70115246

Main Parameters (*)	min	typ	max	Unit
Wavelength		850		nm
Optical Output Power		10		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	35	70	105	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	3R
Divergence	1 - 1.5 mrad
Fan Angle	90°
Line Thickness	<0.5mm@0.2m
Operating Distance	0.2m
Optics	glass lens AR coated
Laser technology	diode
Focus	fixed (200mm)

Electrical Parameters

Potential of Housing	isolated
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	Ø8x30 mm
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Material	aluminium
Cable length	100 mm
Wire type	26AWG, 0,14mm ²
Weight	3.5 g

(*) Over the complete operating temperature range

Features



- Operating Voltage 3 V DC
- Image processing
- Uniform line thickness
- Compact size
- Laser Class 3R

Picture



Cable color

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

Safety Label



Valid Revision

1 | 16-DEC-2020