

## Line laser, infrared, 850 nm, 5°, 5 mW

LH850-5-5(10x40)5DEG  
Order Number: 70114386

Main Parameters (*)	min	typ	max	Unit
Wavelength		850		nm
Optical Output Power		5		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	30	60	90	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

### Main Data

Warranty 1 years

### Technical Parameters

Lifetime > 5,000 h  
RoHS yes

### Optical Parameters

Beam Shape	Line
Laser Class	3R
Divergence	H - 1.0 mrad
Fan Angle	5°
Line Thickness	<0.5mm@0.32m
Operating Distance	0.32 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (320mm)

### 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	Ø10x40 mm
Material	aluminium

Cable length	100 mm
Wire type	26AWG, 0,14mm <sup>2</sup>
Output Aperture	4.5 mm
Housing Color	black
Weight	6.3 g

(\*) Over the complete operating temperature range

### Features





- Operating Voltage 5 V DC
- Image processing
- Uniform line thickness
- Compact size
- Laser Class 3R

### Picture



### Cable color

Ground		black	GND
Positive		red	4.5 - 5.5, typ 5 V DC

### Safety Label



### Valid Revision

2 | 23-OCT-2017