

## Line laser, infrared, 980 nm, 90°, 120 mW

MLH980-120-5(22x60)90DEG  
Order Number: 70147766

Main Parameters (*)	min	typ	max	Unit
Wavelength		980		nm
Optical Output Power		120		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	200	400	600	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	90°
Line Thickness	3mm@3m
Operating Distance	10 m
Optics	glass lens AR coated
Laser technology	Multi Mode Diode
Focus	collimated

### Electrical Parameters

Potential of Housing	isolated
Max. Mod. Frequency	100 kHz
Power Supply	Power Supply with stripped/tinned wires, Output: 5V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3W max.

### Mechanical Parameters

Size	Ø22x60 mm
Material	aluminium

Cable length	100 mm
Wire type	26AWG, 0,14mm <sup>2</sup>
Output Aperture	5.5 mm
Housing Color	black
Weight	53 g

(\*) Over the complete operating temperature range

### Features






- Operating Voltage 5 V DC
- Laser Class 3R
- Uniform line thickness
- Fan angle 90°
- Image processing

### Picture



### Cable color

Ground		black	GND
Positive		red	4.5 - 5.5, typ 5 V DC
Modulation		yellow	100 kHz

### Safety Label



### Valid Revision

| 03-DEC-2020