

Line laser, infrared, 980 nm, 60°, 120 mW

MLH980-120-5-F(16x65)60DEG
Order Number: 70145380

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	60°
Line Thickness	adjustable
Operating Distance	10 m
Optics	glass lens AR coated
Laser technology	Multi Mode Diode
Focus	adjustable

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	Ø16x65 mm
Material	aluminium

Cable length	100 mm
Wire type	26AWG, 0,14mm²
Output Aperture	5.5 mm
Housing Color	black
Weight	53 g

(*) Over the complete operating temperature range

Features



- Operating Voltage 5V DC
- Laser Class 3R
- Uniform line thickness
- Fan angle 60°
- 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

| 30-JUN-2020