

Line laser, infrared, 980 nm, 60°, 45 mW

MLE980-45-5-F(22x65)60DEG
Order Number: 70141801

Main Parameters (*)	min	typ	max	Unit
Wavelength		980		nm
Optical Output Power		45		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
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Technical Parameters

Lifetime	> 5,000 h
RoHS	yes

Optical Parameters

Beam Shape	Line
Laser Class	3R
Divergence	E - 0.6 mrad
Fan Angle	60°
Line Thickness	<1.5mm@3m
Operating Distance	3 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	adjustable

Electrical Parameters

Potential of Housing	isolated
Max. Mod. Frequency	100 kHz

Power Supply with
stripped/tinned wires, Output:
5V DC, Input: 100-240V AC, 50-
60Hz, Output Power: 3W max.

Mechanical Parameters

Size	Ø22x65 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

| 26-AUG-2019