

Line laser, infrared, 850 nm, 100°, 80 mW

MLH850-80-5(18X60)100-PWL-F550
Order Number: 70155488

Main Parameters (*)	min	typ	max	Unit
Wavelength	845	850	855	nm
Optical Output Power		80		mW
Operating Voltage	4.5	5	5	V DC
Operating Current	50	140	250	mA
Operating Temperature	-30		70	°C
Storage Temperature	-40		85	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 10,000 h
RoHS	yes

Optical Parameters

Beam Shape	Line
Laser Class	3R
Divergence	H - 1.0 mrad
Fan Angle	100°
Line Thickness	≤300µm (@550mm)
Operating Distance	0.55 m
Optics	Powell Lens
Opt. Power Stability at const. Temp.	< 5 %
Axial Divergence	± 1.5°
Focus	fixed (550mm)

Electrical Parameters

Max. Mod. Frequency	20 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	Ø18x60 mm
Material	aluminium

Cable length	200 mm
Wire type	24AWG, black, 3mm
Output Aperture	4 mm
Housing Color	black
Weight	20 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Powell Lens
- Uniform line distribution
- Image processing

Picture



Cable color

Ground		black	GND
Positive		red	4.5 - 5, typ 5 V DC
Modulation		yellow	20 kHz

Safety Label



Valid Revision

| 23-JUN-2022