

Line laser, red, 650 nm, 60°, 5 mW

MLH650-5-5(15x15x40)60DEG-F120
Order Number: 70129205

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		5		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	15	25	40	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty 1 years

Technical Parameters

Lifetime >30,000 h
RoHS yes

Optical Parameters

Beam Shape	Line
Laser Class	1
Divergence	H - 1.0 mrad
Fan Angle	60°
Line Thickness	<0.5mm@0.12m
Operating Distance	0.12 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Axial Divergence	±1°
Focus	fixed (120mm)

Electrical Parameters

Potential of Housing isolated
Max. Mod. Frequency 1 kHz

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

Mechanical Parameters

Size 15x15x40 mm
Material aluminium

Cable length	50 mm
Wire type	Belden, Typ 1007, 26AWG
Output Aperture	7 mm
Housing Color	black
Weight	29 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features






- Compact size
- Laser Class 1
- Modulated
- Operating Voltage 5V DC
- Isolated housing

Picture



Cable color

Ground		black	GND
Positive		red	4.5 - 5.5, typ 5 V DC
Modulation		yellow	1 kHz

Safety Label



Valid Revision

| 22-JUL-2020