

Line laser, red, 650 nm, 5°, 5 mW

AMLG650-5-5(12X50)5DEG-PWL
Order Number: 70183900

Main Parameters (*)	min	typ	max	Unit
Wavelength	645	650	655	nm
Optical Output Power		5		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	40	60	80	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
FDA registration	yes

Optical Parameters

Beam Shape	Line
Laser Class	2M
Divergence	G - 0.8 mrad
Fan Angle	5°
Line Thickness	<1mm@1000mm
Optics	Powell Lens
Protection Lens	yes
Focus	fixed (1000mm)

Electrical Parameters

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

Mechanical Parameters

Size	Ø12x50 mm
Material	aluminium
Cable length	200 mm

Wire type	28AWG
Output Aperture	4 mm
Housing Color	black
Weight	70 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Operating Voltage 5V DC
- Laser Class 2M
- Adjustable focus
- High power

Picture



Cable color

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

Safety Label



Valid Revision

| 10-MAR-2025