

Line laser, red, 635 nm, 90°, 1 mW

AMLD635-1-5(12X50)-90DEG
Order Number: 70159790

Main Parameters (*)	min	typ	max	Unit
Wavelength	630	635	640	nm
Optical Output Power		1		mW
Operating Voltage	4.8	5	5.3	V DC
Operating Current	20	35	50	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°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	1
Divergence	D - 0.5 mrad
Fan Angle	90°
Line Thickness	<0.5mm@0.5m
Operating Distance	0.5m
Optics	acryl lense
Laser technology	Single Mode Diode
Protection Lens	no
Focus	fixed (500mm)

Electrical Parameters

Potential of Housing	isolated
Max. Mod. Frequency	1 kHz
Cable color power control	Yellow

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

Mechanical Parameters

Size	Ø12x50 mm
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Material	aluminium
Cable length	1,300 mm
Wire type	Belden, Typ 1007, 26AWG
Output Aperture	3 mm
Housing Color	black
Weight	50 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



Picture



Cable color

Ground		black	GND
Positive		red	4.8 - 5.3, typ 5 V DC
Modulation		yellow	1 kHz

Safety Label



Valid Revision

| 15-AUG-2024