

Line laser, red, 635 nm, 5 °, 1 mW

AMLD635-1-5(12x50)-5DEG
Order Number: 70122527

Main Parameters (*)	min	typ	max	Unit
Wavelength	630	635	640	nm
Optical Output Power	0.85	1	1.8	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	2M
Divergence	D - 0.5 mrad
Fan Angle	5 °
Line Thickness	1.5mm@2m
Operating Distance	2 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Protection Lens	no
Focus	fixed (2000mm)

Electrical Parameters

Potential of Housing	isolated
Max. Mod. Frequency	1 kHz
Stripping of cable cover	0 mm

Mechanical Parameters

Size	Ø12x50 mm
Material	aluminium
Cable length	200 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



- Operating Voltage 5 V DC
- Laser Class 2M
- Adjustable focus
- Analog modulatable

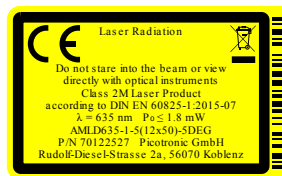
Picture



Cable color

Ground		black	GND
positive		red	4.8 - 5.3, typ 5 V DC
modulation		yellow	1 kHz

Safety Label



Valid Revision

| 16-NOV-2021