

Line laser, infrared, 850 nm, 10°, 15 mW

AMLB850-15-5-F(16X45)10
Order Number: 70153453

Main Parameters (*)	min	typ	max	Unit
Wavelength		850		nm
Optical Output Power	1	15	15	mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	20	40	120	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 5,000 h
RoHS	yes

Optical Parameters

Beam Shape	Line
Laser Class	3R
Divergence	B - 0.3 mrad
Fan Angle	10°
Line Thickness	adjustable
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Protection Lens	no
Focus	adjustable

Electrical Parameters

Potential of Housing	isolated
Cable color power control	Yellow
Power Supply	Power Supply with stripped/tinned wires, Output: 5V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3W max.

Mechanical Parameters

Size	Ø16x45 mm
Material	aluminium
Cable length	100 mm
Wire type	Belden, Typ 1007, 26AWG
Output Aperture	6.8 mm
Housing Color	black
Weight	23.5 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Operating Voltage 5V DC
- Laser Class 3R
- Fan angle 10°

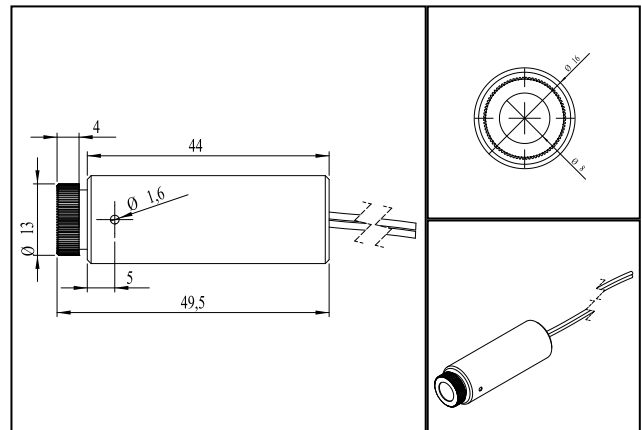
Picture



Cable color

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

Drawing



Safety Label



Valid Revision

| 21-OCT-2021