

Line laser, red, 650 nm, 10°, 3.5 mW

MLE650-3.5-5(16X45)10DEG
Order Number: 70102802

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		3.5		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	15	30	45	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	2M
Divergence	B - 0.3 mrad
Fan Angle	10°
Line Thickness	<1.5mm@3m
Operating Distance	10 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Protection Lens	yes
Focus	fixed (3000mm)

Electrical Parameters

Potential of Housing	isolated
Max. Mod. Frequency	50 kHz

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	700 mm
Output Aperture	7 mm
Housing Color	black
Weight	31 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Operating Voltage 5V DC
- Laser Class 2M
- Fan angle 10°
- Compact size
- Modulated

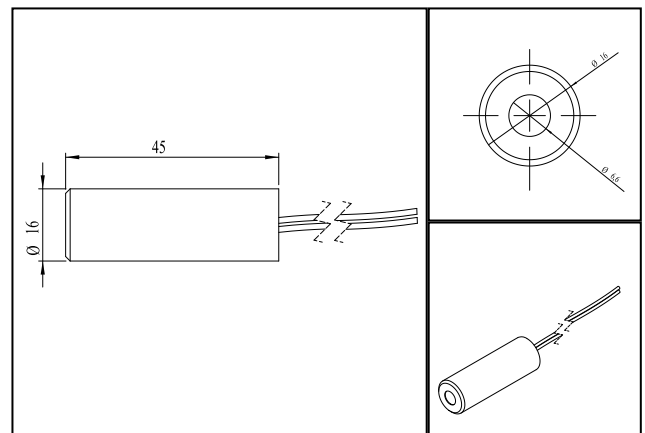
Picture



Cable color

Ground		blue	GND
Positive		red	4.5 - 5.5, typ 5 V DC
Modulation		yellow	50 kHz

Drawing



Safety Label



Valid Revision

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