

Line laser, red, 650nm, 90°, 24mW

MLH650-24-5(16x45)-PL

Order Number: 70110449

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		24		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	50	71	95	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Technical Parameters

Lifetime	>5000h
RoHS	yes

Optical Parameters

Beam Shape	Line
Laser Class	2M
Divergence	H - 1.0mrad
Fan Angle	90°
Line Thickness	<1.5mm@3m
Operating Distance	3m
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	200Kilohertz

Mechanical Parameters

Size	Ø16x45mm
Material	aluminium
Cable length	100mm
Wire type	26AWG, 0,14mm²
Output Aperture	5.5mm
Housing Color	black
Weight	25g
Stripping of wire	5mm

(*) Over the complete operating temperature range

Features



- Operating Voltage 5V DC
- Laser Class 2M
- Uniform illumination
- High Power
- Modulated

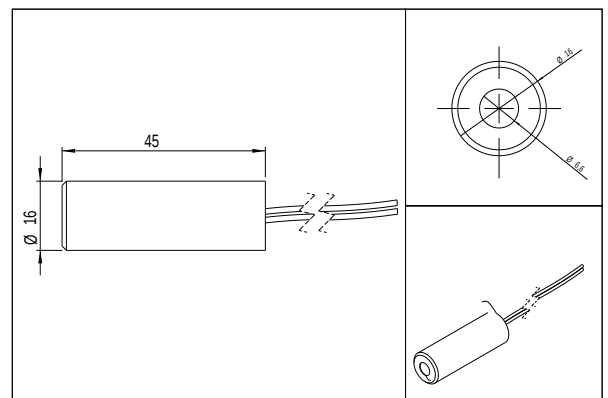
Picture



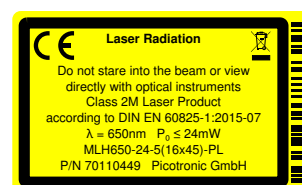
Cable Colors

Ground		black	GND
Positive		red	4.5 - 5.5, typ 5V DC
Modulation		yellow	200Kilohertz

Drawing



Safety Label



Revision

REV 9 | 09-JUN-2016