

Line laser, red, 650 nm, 10°, 5 mW

LH650-5-5(14x45)10DEG-F1800
Order Number: 70125894

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		5		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	15	25	40	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	H - 1.0 mrad
Fan Angle	10°
Line Thickness	<1.5mm@1.8m
Operating Distance	1.8m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (1800mm)

Electrical Parameters

Potential of Housing	isolated
Power Supply	Power Supply with stripped/tinned wires, Output: 5V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3W max.
Stripping of cable cover	50 mm

Mechanical Parameters

Size	Ø14x45 mm
Material	aluminium
Cable length	750 mm
Wire type	24AWG, black, 3mm
Output Aperture	5.5 mm
Housing Color	black
Weight	26 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- High Power
- Compact size
- Laser Class 2M
- Operating Voltage 5V DC
- Fixed focus

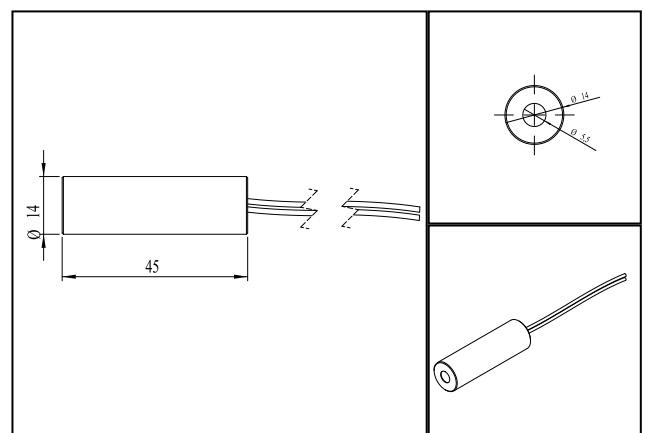
Picture



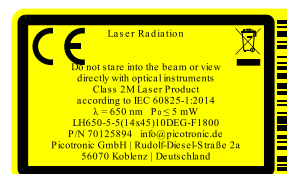
Cable color

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

Drawing



Safety Label



Valid Revision

| 03-FEB-2021