

Line laser, red, 650 nm, 90 °, 16 mW

LH650-16-3(14x45)-F1500
 Order Number: 70109764

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		16		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	30	60	90	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	2
Divergence	H - 1.0 mrad
Fan Angle	90 °
Line Thickness	<1mm@1.5m
Operating Distance	1.5 m
Optics	glass lens AR coated
Laser technology	diode
Focus	fixed (1500mm)

Electrical Parameters

Potential of Housing	isolated
Power Supply	LFNT-3

Mechanical Parameters

Size	Ø14x45 mm
Material	aluminium
Cable length	100 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	5.5 mm
Weight	18 g

(*) Over the complete operating temperature range

Features



- Operating Voltage 3 V DC
- Laser Class 2
- Uniform line thickness
- Compact size
- Fixed focus

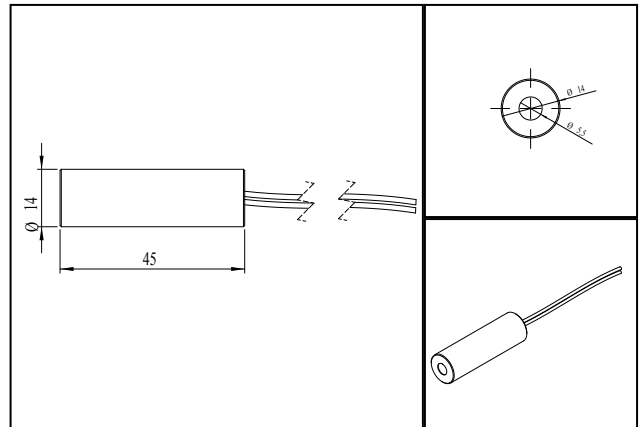
Picture



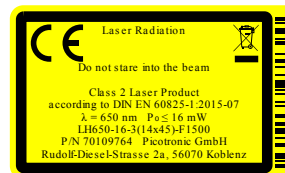
Cable color

Ground		black	GND
positive		red	2.7 - 3.3, typ 3 V DC

Drawing



Safety Label



Valid Revision

1 | 17-DEC-2018