

## 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

### 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 1.5m  
Optics glass lens AR coated  
Laser technology diode  
Focus fixed (1500mm)

### Electrical Parameters

Potential of Housing isolated  
Power Supply Power Supply with stripped/tinned wires, Output: 3.3V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3.3W max.

### Mechanical Parameters

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

(\*) Over the complete operating temperature range

### Features



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

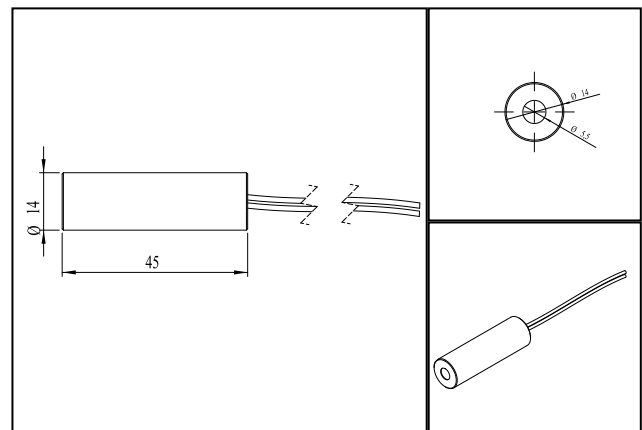
### Picture



### Cable color

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

### Drawing



### Safety Label



### Valid Revision

1 | 17-DEC-2018