

## Line laser, red, 650 nm, 90°, 24 mW

MLH650-24-5(14x45)-F400  
Order Number: 70110340

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	60	110	140	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	2M
Divergence	H - 1.0 mrad
Fan Angle	90°
Line Thickness	<0.5mm@0.4m
Operating Distance	0.4 m
Optics	glass lens AR coated
Laser technology	diode
Focus	fixed (400mm)

### Electrical Parameters

Potential of Housing	isolated
Max. Mod. Frequency	200 kHz

### Mechanical Parameters

Size	Ø14x45 mm
Material	aluminium
Cable length	100 mm

Wire type	26AWG, 0,14mm <sup>2</sup>
Housing Color	black
Weight	62 g

(\*) Over the complete operating temperature range

### Features






- Protection lens
- Laser Class 2M
- Compact size
- Modulated
- Image processing

### Picture



### Cable color

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

### Safety Label



### Valid Revision

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