

## Line laser, red, 650 nm, 20°, 5 mW

LE650-5-24(12x50)20DEG  
Order Number: 70118056

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		5		mW
Operating Voltage	23.6	24	24.4	V DC
Operating Current	2	6	15	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	1
Divergence	E - 0.6 mrad
Fan Angle	20°
Line Thickness	<1.5mm@3m
Operating Distance	10 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Protection Lens	yes
Focus	fixed (3000mm)

### Electrical Parameters

Potential of Housing isolated  
Power Supply Power Supply, Output: 24V DC, Input: 100-240V AC, 50-60Hz, Output Power: 24W max.

### Mechanical Parameters

Size	Ø12x50 mm
Material	aluminium
Cable length	100 mm

Wire type	26AWG, 0,14mm <sup>2</sup>
Output Aperture	5.5 mm
Housing Color	black
Weight	13g
Stripping of wire	5 mm

(\*) Over the complete operating temperature range

### Features





- Small fan angle
- Compact size
- Laser Class 1
- Operating Voltage 24 V DC
- Fixed focus

### Picture



### Cable color

Ground		black	GND
Positive		red	23.6 - 24.4, typ 24 V DC

### Safety Label



### Valid Revision

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