

## Line laser, red, 650 nm, 37°, 5 mW

LD650-5-5(12x34)37-F200  
Order Number: 70107258

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	20	31	45	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	D - 0.5 mrad
Fan Angle	37°
Line Thickness	<0.3mm@0.2m
Operating Distance	0.2m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (200mm)

### 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.

### Mechanical Parameters

Size	Ø12x34 mm
Material	Brass
Cable length	100 mm

Wire type	26AWG, 0,14mm <sup>2</sup>
Output Aperture	5.5 mm
Housing Color	black
Weight	17 g
Stripping of wire	5 mm

(\*) Over the complete operating temperature range

### Features




- Operating Voltage 5 V DC
- Laser Class 1
- Fixed focus
- Fan angle 37°
- Compact size

### Picture



### Cable color

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

### Safety Label



### Valid Revision

6 | 29-JAN-2016