

**Line laser, red, 650 nm, 10 °, 5 mW**

LE650-5-3(12x32)10DEG  
Order Number: 70105056

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power	3.7	5	5.5	mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	15	30	45	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	2M
Divergence	E - 0.6 mrad
Fan Angle	10 °
Line Thickness	<1.5mm@3m
Operating Distance	10 m
Optics	glass lens AR coated
Laser technology	diode
Protection Lens	yes
Focus	fixed (3000mm)

**Electrical Parameters**

Potential of Housing	isolated
Power Supply	LFNT-3

**Mechanical Parameters**

Size	Ø12x32 mm
Material	aluminium
Cable length	100 mm
Wire type	26AWG, 0,14mm <sup>2</sup>
Output Aperture	5.5 mm
Housing Color	black
Weight	13.5 g

(\*) Over the complete operating temperature range

**Features**



- Small fan angle
- Compact size
- Laser Class 2M
- Operating Voltage 3 V DC
- Fixed focus

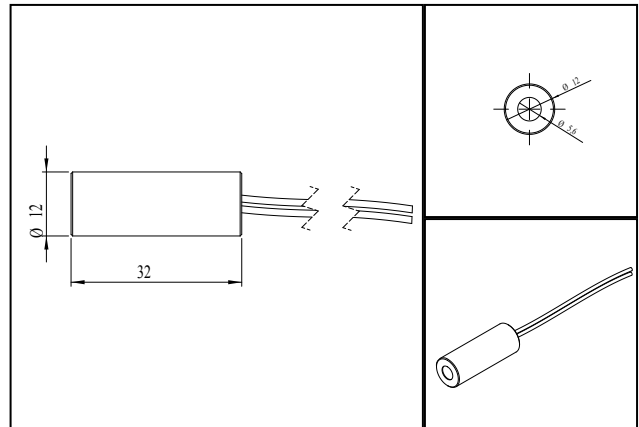
**Picture**



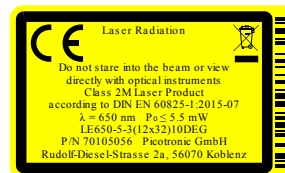
**Cable color**

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

**Drawing**



**Safety Label**



**Valid Revision**

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