

## Line laser, red, 650 nm, 30 °, 5 mW

LE650-5-3(20x75)30-F500-C2000  
Order Number: 70106190

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		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

### Technical Parameters

Lifetime	>5000 h
RoHS	yes

### Optical Parameters

Beam Shape	Line
Laser Class	1M
Divergence	E - 0.6 mrad
Fan Angle	30 °
Line Thickness	<0.5mm@0.5m
Operating Distance	0.5 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (500mm)

### Electrical Parameters

Potential of Housing	isolated
Power Supply	LFNT-3

### Mechanical Parameters

Size	Ø20x75 mm
Material	aluminium
Cable length	2000 mm
Wire type	22AWG, black, 3,6mm
Output Aperture	5.5 mm
Housing Color	black
Weight	78 g
Stripping of wire	5 mm
Stripping of cable cover	50 mm

(\*) Over the complete operating temperature range

## Features



- Operating Voltage 3 V DC
- Laser Class 1M
- Small fan angle
- Uniform line thickness
- Fixed focus

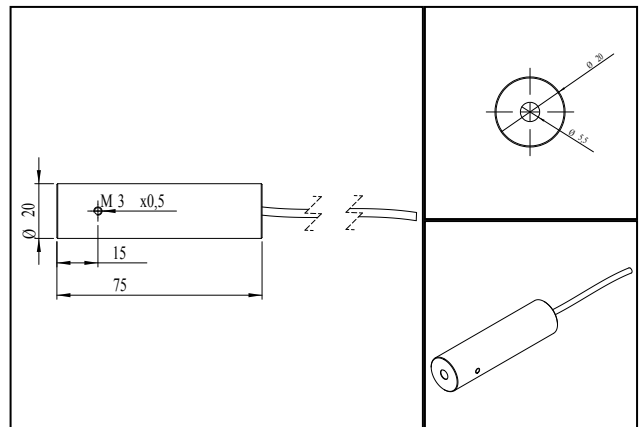
## Picture



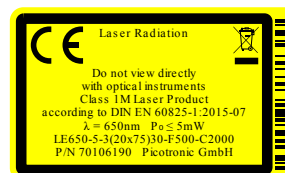
## Cable color

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

## Drawing



## safety label



## Valid Revision

REV 3 | 14-JAN-2016