

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

Main Data

Warranty 1 years

Technical Parameters

Lifetime	> 5,000 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
Stripping of cable cover	50 mm

Mechanical Parameters

Size	Ø20x75 mm
Material	aluminium
Cable length	2,000 mm
Wire type	22AWG, black, 3,6mm
Output Aperture	5.5 mm
Housing Color	black
Weight	78 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



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

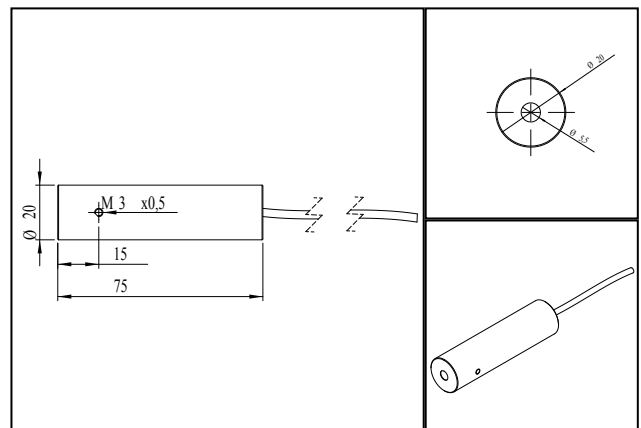
Picture



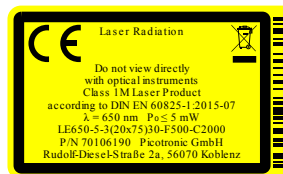
Cable color

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

Drawing



Safety Label



Valid Revision

3 | 14-JAN-2016

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