

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

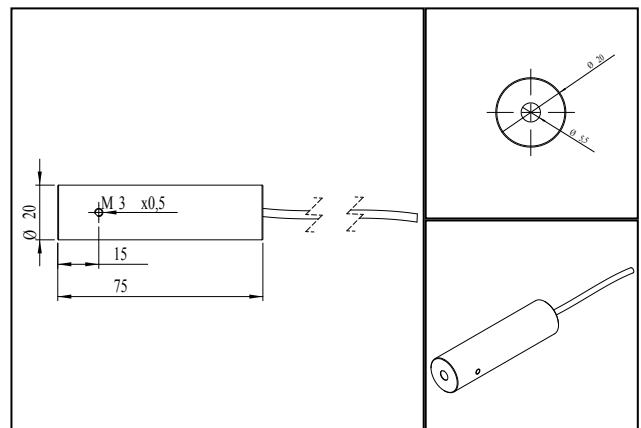
Picture



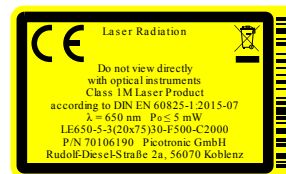
Cable color

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

Drawing



Safety Label



Valid Revision

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