

Red Line Lasermodule

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

Optical Parameters

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

Technical Parameters

Lifetime	>5000h
RoHS	yes

Electrical Parameters

Potential of Housing	isolated
Power Supply	LFNT-3

Mechanical Parameters

Size	Ø20x75mm
Material	aluminium
Cable length	2000mm
Wire type	22AWG, black, 3,6mm
Output Aperture	5.5mm
Housing Color	black
Weight	78g
Stripping of wire	5mm
Stripping of cable cover	50mm

(*) Over the complete operating temperature range

Features





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

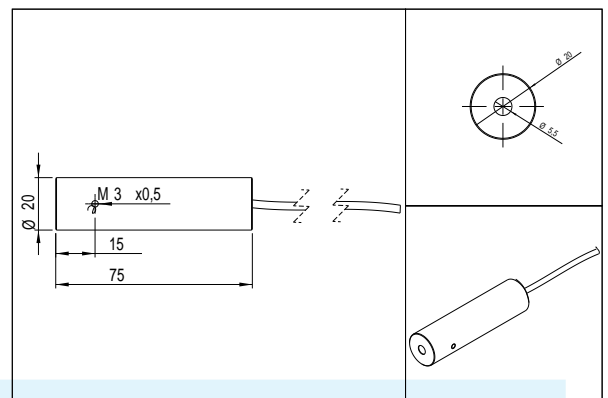
Picture



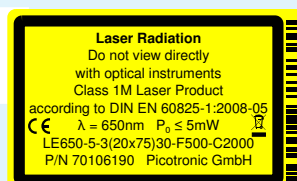
Cable Colors

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

Drawing



Safety Label



Revision

REV 3 | 13-OCT-2014