

Line laser, red, 650 nm, 20 °, 5 mW

LE650-5-3(12x32)20DEG
Order Number: 70105964

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 1
Divergence E - 0.6 mrad
Fan Angle 20 °
Line Thickness <1.5mm@3m
Operating Distance 5 m
Optics glass lens AR coated
Laser technology Single Mode Diode
Focus fixed (3000mm)

Electrical Parameters

Potential of Housing isolated

Mechanical Parameters

Size Ø12x32 mm
Material aluminium
Cable length 100 mm
Wire type Belden, Typ 1007, 26AWG
Output Aperture 5.5 mm
Housing Color black
Weight 13 g
Stripping of wire 5 mm

(*) Over the complete operating temperature range

Features



- Kleiner Öffnungswinkel
- Kompakte Bauform
- Laser Klasse 1
- Betriebsspannung 3 V DC
- Voreingestellter Fokus

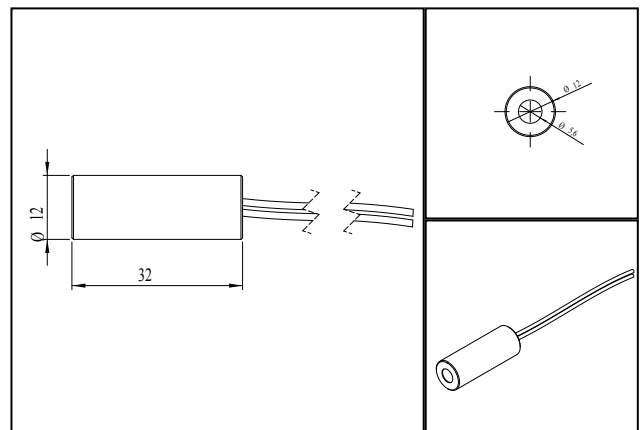
Picture



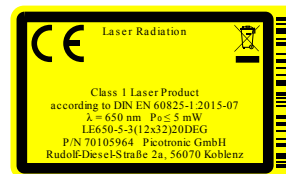
Cable color

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

Drawing



Safety Label



Valid Revision

4 | 22-APR-2021