

Line laser, red, 650 nm, 30 °, 16 mW

LC650-16-3-F(14x55)30
Order Number: 70106848

| Main Parameters (*) | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength | | 650 | | nm |
| Optical Output Power | | 16 | | mW |
| Operating Voltage | 2.7 | 3 | 3.3 | V DC |
| Operating Current | 40 | 64 | 100 | 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 2M
Divergence C - 0.4 mrad
Fan Angle 30 °
Line Thickness adjustable
Operating Distance 4 m
Optics glass lens AR coated
Laser technology Single Mode Diode
Focus adjustable

Electrical Parameters

Potential of Housing isolated
Power Supply LFNT-3

Mechanical Parameters

Size Ø14x55 mm
Material aluminium
Cable length 100 mm
Wire type Belden, Typ 1007, 26AWG
Output Aperture 3.5 mm
Housing Color black
Weight 16.5 g
Stripping of wire 5 mm

(*) Over the complete operating temperature range

Features



- Adjustable focus
- Operating Voltage 3 V DC
- Adjustable focus
- Small fan angle
- Image processing

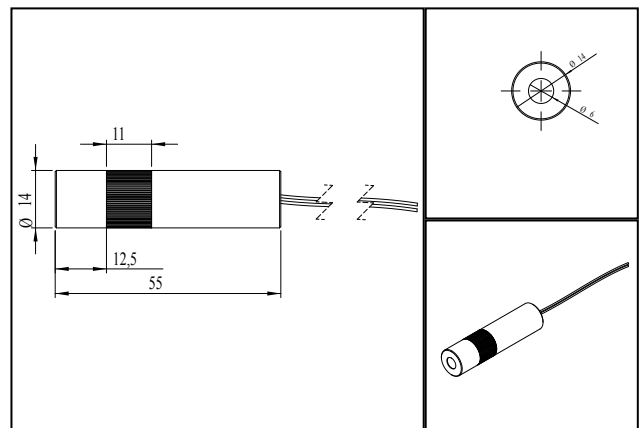
Picture



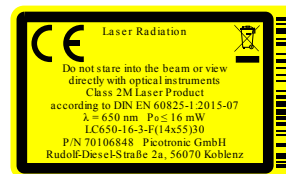
Cable color

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

Drawing



Safety Label



Valid Revision

1 | 22-APR-2021

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