

Line laser, red, 650 nm, 90°, 5 mW

LFL650-5(12x45)90-NT
Order Number: 70105711

| Main Parameters (*) | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength | | 650 | | nm |
| Optical Diode Power | | 5 | | mW |
| Operating Voltage | | 5 | | V DC |
| Operating Current | | 30 | | mA |
| Operating Temperature | -20 | | 40 | °C |
| Storage Temperature | -40 | | 80 | °C |

Main Data

Warranty 1 years

Technical Parameters

Lifetime >3,000 h
RoHS yes

Optical Parameters

| | |
|--------------------|----------------|
| Beam Shape | Line |
| Laser Class | 1 |
| Divergence | G - 0.8 mrad |
| Fan Angle | 90° |
| Line Thickness | <1.2mm@1m |
| Operating Distance | 1 m |
| Optics | acryl lense |
| Laser technology | diode |
| Focus | fixed (1000mm) |

Electrical Parameters

| | |
|----------------------|------------------------------|
| Potential of Housing | VDD(+) |
| Connector | 2.1 mm DC socket (GND inner) |

Power Supply

Power Supply, Output: 5V DC,
Input: 100-240V AC, 50-60Hz,
Output Power: 3W max,
Connector 2, 1x5,5x9,5mm
center negative

Mechanical Parameters

| | |
|-----------------|-----------|
| Size | Ø12x45 mm |
| Material | aluminium |
| Cable length | 1,360 mm |
| Output Aperture | 6 mm |
| Weight | 82 g |

(*) Over the complete operating temperature range

Picture



Safety Label



Valid Revision

9 | 09-OCT-2023