



## Line laser, red, 650 nm, 90°, 5 mW

LC650-5-5-F(14x45)-C1000-CON  
Order Number: 70106916

| Main Parameters (*)   | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength            |     | 650 |     | nm   |
| Optical Output Power  |     | 5   |     | mW   |
| Operating Voltage     | 4.5 | 5   | 5.5 | V DC |
| Operating Current     | 25  | 50  | 75  | 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         | C - 0.4 mrad         |
| Fan Angle          | 90°                  |
| Line Thickness     | adjustable           |
| Operating Distance | 3 m                  |
| Optics             | glass lens AR coated |
| Laser technology   | Single Mode Diode    |
| Focus              | adjustable           |

### Electrical Parameters

|                          |                                 |
|--------------------------|---------------------------------|
| Potential of Housing     | isolated                        |
| Connector                | 2.1 mm DC plug (GND pole inner) |
| Stripping of cable cover | 75 mm                           |

### Mechanical Parameters

|                   |                   |
|-------------------|-------------------|
| Size              | Ø14x45 mm         |
| Material          | aluminium         |
| Cable length      | 1,000 mm          |
| Wire type         | 24AWG, black, 3mm |
| Output Aperture   | 4 mm              |
| Housing Color     | black             |
| Weight            | 18 g              |
| Stripping of wire | 5 mm              |

(\*) Over the complete operating temperature range

### Features



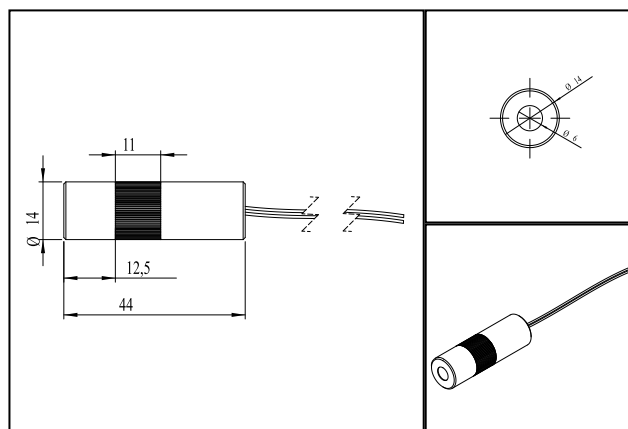
### Picture



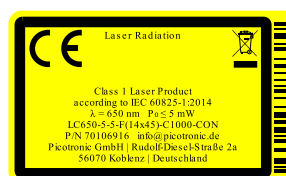
### Cable color

|          |  |       |                       |
|----------|--|-------|-----------------------|
| Ground   |  | black | GND                   |
| Positive |  | white | 4.5 - 5.5, typ 5 V DC |

### Drawing



### Safety Label



### Valid Revision

2 | 06-JUL-2022