

## Line laser, red, 650 nm, 90°, 16 mW

LH650-16(16x90)-NT-MOUNT  
Order Number: 70116991

| 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     |     | 70  |     | 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        | 2                    |
| Divergence         | H - 1.0 mrad         |
| Fan Angle          | 90°                  |
| Line Thickness     | <1mm@3m              |
| Operating Distance | 5m                   |
| Optics             | glass lens AR coated |
| Laser technology   | diode                |
| Focus              | fixed (3000mm)       |

### Electrical Parameters

|                      |                                                                                                                |
|----------------------|----------------------------------------------------------------------------------------------------------------|
| Potential of Housing | VDD(+)                                                                                                         |
| Connector            | 2.5 mm DC plug (GND pole inner)                                                                                |
| Power Supply         | Power Supply with stripped/tinned wires, Output: 3.3V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3.3W max. |

### Mechanical Parameters

|                 |           |
|-----------------|-----------|
| Size            | Ø16x90 mm |
| Material        | aluminium |
| Cable length    | 1,400 mm  |
| Output Aperture | 5.5 mm    |

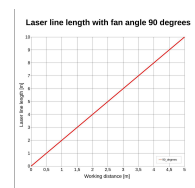
Weight 161 g

(\*) Over the complete operating temperature range

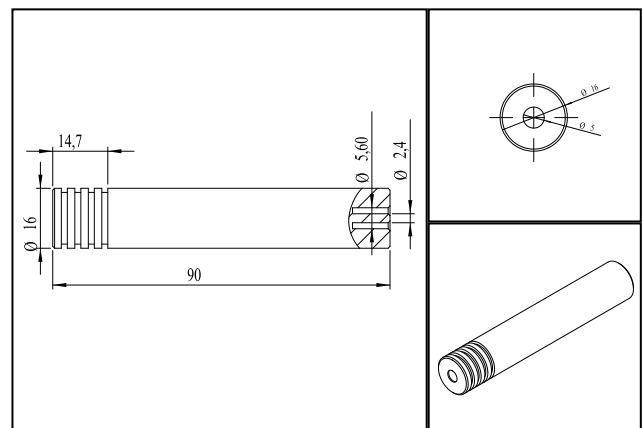
### Features



### Picture



### Drawing



### Safety Label



### Valid Revision

1 | 23-FEB-2022