

## Line laser, red, 650 nm, 90°, 10 mW

MLH650-10-5(14x45)  
Order Number: 70107180

| Main Parameters (*)   | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength            |     | 650 |     | nm   |
| Optical Output Power  |     | 10  |     | mW   |
| Operating Voltage     | 4.5 | 5   | 5.5 | V DC |
| Operating Current     |     | 50  |     | 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         | H - 1.0 mrad         |
| Fan Angle          | 90°                  |
| Line Thickness     | <2mm@3m              |
| Operating Distance | 3 m                  |
| Optics             | glass lens AR coated |
| Laser technology   | diode                |
| Focus              | fixed (3000mm)       |

### Electrical Parameters

|                     |        |
|---------------------|--------|
| Max. Mod. Frequency | 50 kHz |
|---------------------|--------|

### Mechanical Parameters

|          |           |
|----------|-----------|
| Size     | Ø14x45 mm |
| Material | aluminium |

|                 |        |
|-----------------|--------|
| Cable length    | 100 mm |
| Output Aperture | 5.5 mm |
| Weight          | 18 g   |

(\*) Over the complete operating temperature range

### Features



### Picture



### Cable color

|          |                                                                                      |     |                       |
|----------|--------------------------------------------------------------------------------------|-----|-----------------------|
| Positive |  | red | 4.5 - 5.5, typ 5 V DC |
|----------|--------------------------------------------------------------------------------------|-----|-----------------------|

### Safety Label



### Valid Revision

5 | 27-APR-2023