

## Line laser, red, 635 nm, 40°, 15 mW

MLE635-15-5(14x55)40DEG-F1000  
Order Number: 70125948

| Main Parameters (*)   | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength            |     | 635 |     | nm   |
| Optical Output Power  |     | 15  |     | mW   |
| Operating Voltage     | 4.5 | 5   | 5.5 | V DC |
| Operating Current     | 100 | 170 | 200 | 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         | E - 0.6 mrad         |
| Fan Angle          | 40°                  |
| Line Thickness     | <0.5mm@1m            |
| Operating Distance | 1 m                  |
| Optics             | glass lens AR coated |
| Laser technology   | Single Mode Diode    |
| Focus              | fixed (1000mm)       |

### Electrical Parameters

|                          |  |
|--------------------------|--|
| Potential of Housing     | isolated   |
| Max. Mod. Frequency      | 100 kHz  |
| Power Supply             | Power Supply with stripped/tinned wires, Output: 5V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3W max. |
| Stripping of cable cover | 50 mm  |

### Mechanical Parameters

|                   |                           |
|-------------------|---------------------------|
| Size              | Ø14x55 mm                 |
| Material          | aluminium                 |
| Cable length      | 500 mm                    |
| Wire type         | RVVP 3x0.2, Shielded Wire |
| Output Aperture   | 5.5 mm                    |
| Housing Color     | black                     |
| Weight            | 28 g                      |
| Stripping of wire | 5 mm                      |

(\*) Over the complete operating temperature range

### Features






- Laser Class 2
- Low power consumption
- Uniform line thickness
- Image processing

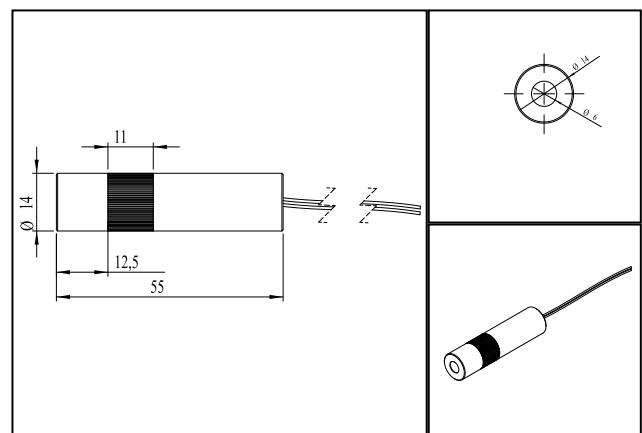
### Picture



### Cable color

|            |   |        |                       |
|------------|---|--------|-----------------------|
| Ground     |   | black  | GND                   |
| Positive   |   | white  | 4.5 - 5.5, typ 5 V DC |
| Modulation |  | yellow | 100 kHz               |

### Drawing



### Safety Label



### Valid Revision

| 26-MAY-2020