

## Red Line Lasermodule

LE635-25-3(14x45)

Order Number: 70117073

| Main Parameters (*)   | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength            |     | 635 |     | nm   |
| Optical Output Power  |     | 25  |     | mW   |
| Operating Voltage     |     | 3   |     | V DC |
| Operating Current     | 50  | 90  | 130 | mA   |
| Operating Temperature | -20 |     | 50  | °C   |
| Storage Temperature   | -40 |     | 80  | °C   |

### Optical Parameters

|                    |                      |
|--------------------|----------------------|
| Beam Shape         | Line                 |
| Laser Class        | 2M                   |
| Divergence         | 0.6mrad              |
| Fan Angle          | 90°                  |
| Line Thickness     | <2.5mm@5m            |
| Operating Distance | 7m                   |
| Optics             | glass lens AR coated |
| Laser technology   | Single Mode Diode    |
| Focus              | fixed (5000mm)       |

### Technical Parameters

|          |         |
|----------|---------|
| Lifetime | >10000h |
| RoHS     | yes     |

### Electrical Parameters

|                      |          |
|----------------------|----------|
| Potential of Housing | isolated |
| Power Supply         | LFNT-3   |

### Mechanical Parameters

|                   |                         |
|-------------------|-------------------------|
| Size              | Ø14x45mm                |
| Material          | aluminium               |
| Cable length      | 100mm                   |
| Wire type         | Belden, Typ 1007, 26AWG |
| Output Aperture   | 5.5mm                   |
| Housing Color     | black                   |
| Weight            | 18g                     |
| Stripping of wire | 5mm                     |

(\*) Over the complete operating temperature range

### Features



- Laser Class 2M
- Low power consumption
- For medical devices
- Uniform line thickness
- Image processing

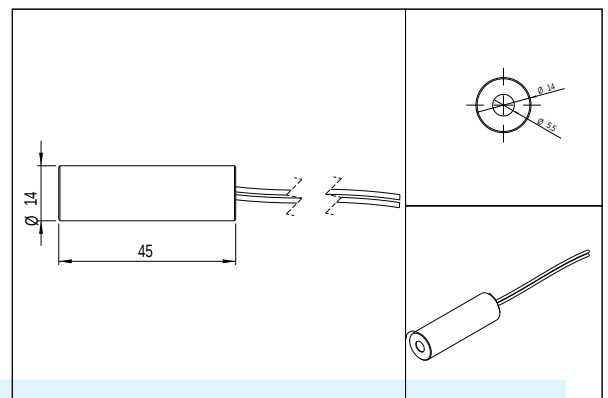
### Picture



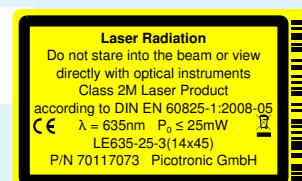
### Cable Colors

|          |                                                                                       |       |       |
|----------|---------------------------------------------------------------------------------------|-------|-------|
| Ground   |  | black | GND   |
| Positive |  | red   | 3V DC |

### Drawing



### Safety Label



### Revision

REV 23 | 06-AUG-2014