

Line laser, red, 635 nm, 90 °, 1 mW

LD635-1-24(12x50)-C1000
Order Number: 70124989

| Main Parameters (*) | min | typ | max | Unit |
|-----------------------|------|-----|------|------|
| Wavelength | | 635 | | nm |
| Optical Output Power | | 1 | | mW |
| Operating Voltage | 21.6 | 24 | 26.4 | V DC |
| Operating Current | 3 | 6 | 15 | 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 | D - 0.5 mrad |
| Fan Angle | 90 ° |
| Line Thickness | <1mm@1m |
| Operating Distance | 1 m |
| Optics | glass lens AR coated |
| Laser technology | Single Mode Diode |
| Focus | fixed (1000mm) |

Electrical Parameters

| | |
|--------------------------|----------|
| Potential of Housing | isolated |
| Stripping of cable cover | 50 mm |

Mechanical Parameters

| | |
|--------------|---------------------|
| Size | Ø12x50 mm |
| Material | aluminium |
| Cable length | 1,000 mm |
| Wire type | 18AWG, black, 3,6mm |

| | |
|-------------------|--------|
| Output Aperture | 4.5 mm |
| Housing Color | black |
| Weight | 34 g |
| Stripping of wire | 5 mm |

(*) Over the complete operating temperature range

Features





- Operating Voltage 24 V DC
- Laser Class 1
- Fan angle 90 °
- Compact size
- Uniform line thickness

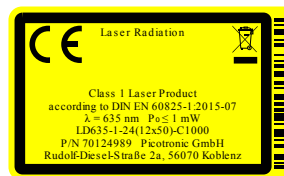
Picture



Cable color

| | | | |
|----------|--|-------|-----------------------------|
| Ground |  | black | GND |
| Positive |  | white | 21.6 - 26.4, typ 24 V DC |

Safety Label



Valid Revision

| 22-APR-2021

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