

Line laser, red, 635nm, 90°, 1mW

LD635-1-24(12x45)-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 |

Technical Parameters

| | |
|----------|--------|
| Lifetime | >5000h |
| RoHS | yes |

Optical Parameters

| | |
|--------------------|----------------------|
| Beam Shape | Line |
| Laser Class | 1 |
| Divergence | D - 0.5mrad |
| Fan Angle | 90° |
| Line Thickness | <1mm@1m |
| Operating Distance | 1m |
| Optics | glass lens AR coated |
| Laser technology | Single Mode Diode |
| Focus | fixed (1000mm) |

Electrical Parameters

| | |
|----------------------|----------|
| Potential of Housing | isolated |
|----------------------|----------|

Mechanical Parameters

| | |
|--------------------------|---------------------|
| Size | Ø12x45mm |
| Material | aluminium |
| Cable length | 1000mm |
| Wire type | 18AWG, black, 3,6mm |
| Output Aperture | 4.5mm |
| Housing Color | black |
| Weight | 17g |
| Stripping of wire | 5mm |
| Stripping of cable cover | 50mm |

(*) Over the complete operating temperature range

Features





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

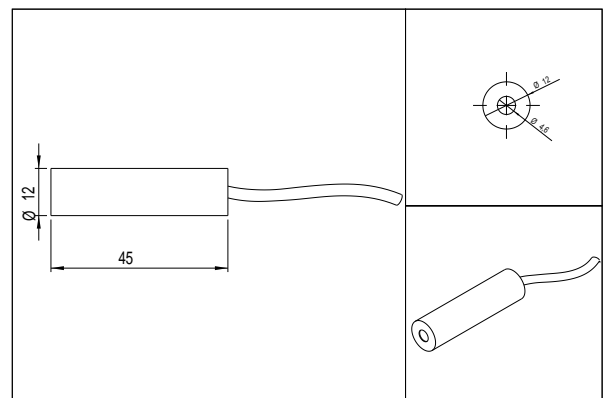
Picture



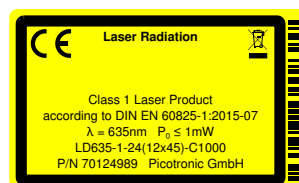
Cable Colors

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

Drawing



Safety Label



Revision

| 07-DEC-2015