

Dot laser, red, 635 nm, 1 mW

DI635-1-12(12x45)-F100-AP
Order Number: 70119930

| Main Parameters (*) | min | typ | max | Unit |
|-----------------------|------|-----|------|------|
| Wavelength | | 635 | | nm |
| Optical Output Power | | 1 | | mW |
| Operating Voltage | 11.7 | 12 | 12.3 | V DC |
| Operating Current | 10 | 20 | 30 | 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 | Dot |
| Laser Class | 2 |
| Divergence | 1 - 1.5 mrad |
| Size of Laserdot | <0.3mm@0.1m |
| Operating Distance | 0.1 m |
| Optics | glass lens AR coated |
| Laser technology | Single Mode Diode |
| Axial Divergence | ± 0.1 ° |
| Focus | fixed (100mm) |

Electrical Parameters

Potential of Housing isolated

Mechanical Parameters

| | |
|-------------------|-----------|
| Size | Ø12x45 mm |
| Material | aluminium |
| Cable length | 100 mm |
| Output Aperture | 2 mm |
| Housing Color | silver |
| Weight | 3.5 g |
| Stripping of wire | 5 mm |

(*) Over the complete operating temperature range

Features



- Axial parallel
- Glas lenses anti reflex coated
- Small package
- Operating Voltage 12 V DC
- Laser Class 2

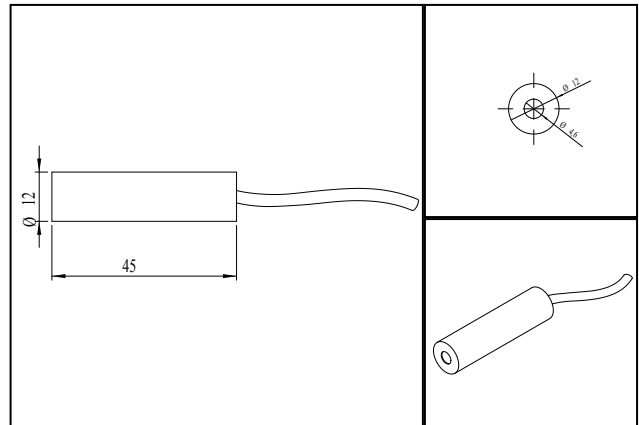
Picture



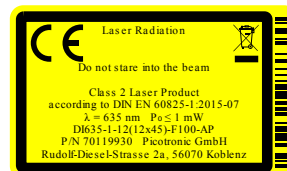
Cable color

| | | | |
|----------|--|-------|-----------------------------|
| Ground |  | black | GND |
| positive |  | red | 11.7 - 12.3, typ 12 V DC |

Drawing



Safety Label



Valid Revision

| 03-FEB-2016