

Dot laser, red, 635 nm, 1 mW

DD635-1-24(12x50)-AP
Order Number: 70135473

| Main Parameters (*) | min | typ | max | Unit |
|-----------------------|------|-----|------|------|
| Wavelength | 630 | 635 | 640 | nm |
| Optical Output Power | 0.8 | 1 | 1 | mW |
| Operating Voltage | 21.6 | 24 | 26.4 | V DC |
| Operating Current | 15 | 35 | 50 | 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 | D - 0.5 mrad |
| Beam Diameter | 2.5 mm |
| Size of Laserdot | <3mm@5m |
| Operating Distance | 5 m |
| Optics | glass lens AR coated |
| Laser technology | Single Mode Diode |
| Opt. Power Stability at const. Temp. | < 1 % |
| Axial Divergence | ± 0.25 ° |
| Focus | fixed (5.0m) |

Electrical Parameters

Potential of Housing isolated

Mechanical Parameters

| | |
|-------------------|----------------------------|
| Size | Ø12x50 mm |
| Material | aluminium |
| Cable length | 100 mm |
| Wire type | 26AWG, 0,14mm ² |
| Output Aperture | 2.5 mm |
| Housing Color | black |
| Weight | 30 g |
| Stripping of wire | 5 mm |

(*) Over the complete operating temperature range

Features





- Small fan angle
- Low power consumption
- Glass lenses AR coated

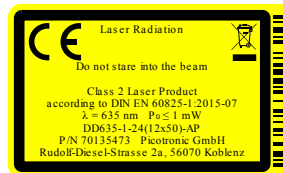
Picture



Cable color

| | | | |
|----------|--|-------|-----------------------------|
| Ground |  | black | GND |
| positive |  | red | 21.6 - 26.4, typ 24 V DC |

Safety Label



Valid Revision

| 25-APR-2019