

## Doe laser, red, 635 nm, 5 mW

DOE253-635-5-3(16x90)-NT  
Order Number: 70111477

| Main Parameters (*)   | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength            |     | 635 |     | nm   |
| Optical Output Power  |     | 5   |     | mW   |
| Operating Voltage     | 2.7 | 3   | 3.3 | V DC |
| Operating Current     | 30  | 60  | 90  | 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       | DOE                  |
| Laser Class      | 2M                   |
| Optics           | glass lens AR coated |
| Laser technology | diode                |
| Protection Lens  | yes                  |
| Focus            | fixed                |

### Electrical Parameters

|                      |                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Potential of Housing | VDD(+)                                                                                                                      |
| Connector            | 2.5 mm DC plug (GND pole inner)                                                                                             |
| Power Supply         | Power Supply, Output: 3.3V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3.3W max, Connector 2,5x5,5x9,5mm center negative |

### Mechanical Parameters

|                 |           |
|-----------------|-----------|
| Size            | Ø16x90 mm |
| Material        | aluminium |
| Cable length    | 1,360 mm  |
| Output Aperture | 6 mm      |
| Housing Color   | cyan      |
| Weight          | 43 g      |

### DOE

|                           |        |
|---------------------------|--------|
| Alpha                     | 41 °   |
| Beta                      | 29.9 ° |
| Gamma                     | 2.99 ° |
| Delta                     | 29.9 ° |
| a                         | 76 mm  |
| b                         | 53 mm  |
| c                         | 5.3 mm |
| d                         | 53 mm  |
| Diameter (without holder) | 8 mm   |
| Width (without Holder)    | 1.2 mm |
| Material                  | PC     |

(\*) Over the complete operating temperature range

### Features

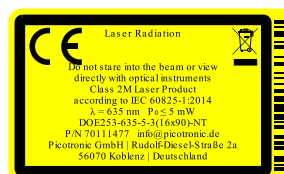


- DOE Laser
- Image processing
- With 230V power supply
- Glas lenses anti reflex coated
- Fixed focus

### Picture



### Safety Label



### Valid Revision

1 | 27-AUG-2019