

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

DOE252-635-5-6(10x24)-ADJ-NT  
Order Number: 70144765

| Main Parameters (*)   | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength            |     | 635 |     | nm   |
| Optical Diode Power   |     | 5   |     | mW   |
| Operating Voltage     | 3   | 5   | 6   | V DC |
| Operating Current     | 15  | 30  | 70  | mA   |
| Operating Temperature | -20 |     | 50  | °C   |
| Storage Temperature   | -40 |     | 80  | °C   |

### Main Data

|          |         |
|----------|---------|
| Warranty | 1 years |
|----------|---------|

### Technical Parameters

|          |           |
|----------|-----------|
| Lifetime | > 3,000 h |
| RoHS     | yes       |

### Optical Parameters

|                  |                   |
|------------------|-------------------|
| Beam Shape       | DOE               |
| Laser Class      | 2M                |
| Divergence       | H - 1.0 mrad      |
| Optics           | acryl lense       |
| Laser technology | Single Mode Diode |
| Protection Lens  | yes               |
| Focus            | adjustable        |

### Electrical Parameters

|                      |                                                                                                                                     |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Potential of Housing | VDD(+)                                                                                                                              |
| Connector            | 2.1 mm DC socket (GND inner)                                                                                                        |
| Power Supply         | Power Supply, Output: 5V DC,<br>Input: 100-240V AC, 50-60Hz,<br>Output Power: 3W max,<br>Connector 2,1x5,5x9,5mm<br>center negative |

### Mechanical Parameters

|                 |                            |
|-----------------|----------------------------|
| Size            | Ø10x24 mm                  |
| Material        | Brass                      |
| Cable length    | 100 mm                     |
| Wire type       | 26AWG, 0,14mm <sup>2</sup> |
| Output Aperture | 6 mm                       |
| Housing Color   | brass                      |

|        |      |
|--------|------|
| Weight | 8.5g |
|--------|------|

### DOE

|                           |        |
|---------------------------|--------|
| Alpha                     | 24 °   |
| Beta                      | 17.2 ° |
| Gamma                     | 4.3 °  |
| Delta                     | 17.2 ° |
| Diameter (without holder) | 8 mm   |
| Width (without Holder)    | 1.2 mm |
| Material                  | PC     |

(\*) Over the complete operating temperature range

### Features



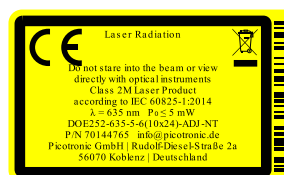
### Picture



### Cable color

|          |                                                                                      |       |                   |
|----------|--------------------------------------------------------------------------------------|-------|-------------------|
| Ground   |  | black | GND               |
| Positive |  | red   | 3 - 6, typ 5 V DC |

### Safety Label



### Valid Revision

| 01-AUG-2024