

## DOE laser, red, 635 nm, 1 mW

DOE249-635-1-6(10x22)  
Order Number: 70111804

| Main Parameters (*)   | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength            |     | 635 |     | nm   |
| Optical Diode Power   |     | 1   |     | mW   |
| Operating Voltage     | 3   | 5   | 6   | V DC |
| Operating Current     | 20  | 30  | 45  | 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 diode  
Protection Lens yes  
Focus fixed

### Electrical Parameters

Potential of Housing VDD(+)

### Mechanical Parameters

Size Ø10x22 mm  
Material Brass  
Cable length 100 mm  
Wire type 26AWG, 0,14mm<sup>2</sup>  
Output Aperture 6 mm  
Weight 8.5 g

### DOE

Alpha 45°  
a 83 mm  
Diameter (without holder) 8 mm  
Width (without Holder) 1.2 mm

Material PC

(\*) Over the complete operating temperature range

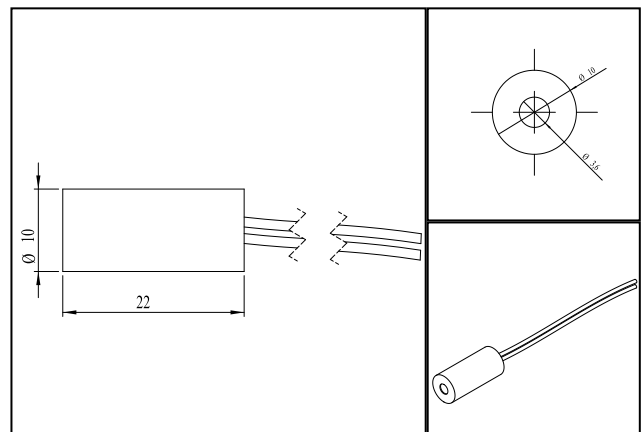
### Picture



### Cable color

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

### Drawing



### Safety Label



### Valid Revision

1 | 28-SEP-2022