

DOE laser, red, 635 nm, 5 mW

DOE263-635-5-6(10x22)
Order Number: 70112351

| Main Parameters (*) | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength | | 635 | | nm |
| Optical Diode Power | | 5 | | mW |
| Operating Voltage | 3 | 5 | 6 | V DC |
| Operating Current | 25 | 45 | 65 | 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 ² |
| Output Aperture | 6 mm |
| Weight | 8.5 g |

DOE

| | |
|---------------------------|---------|
| Alpha | 5.9° |
| Beta | 1.48° |
| a | 10.4 mm |
| b | 2.6 mm |
| Diameter (without holder) | 8 mm |
| Width (without Holder) | 1.2 mm |
| Material | PC |

(*) Over the complete operating temperature range

Features



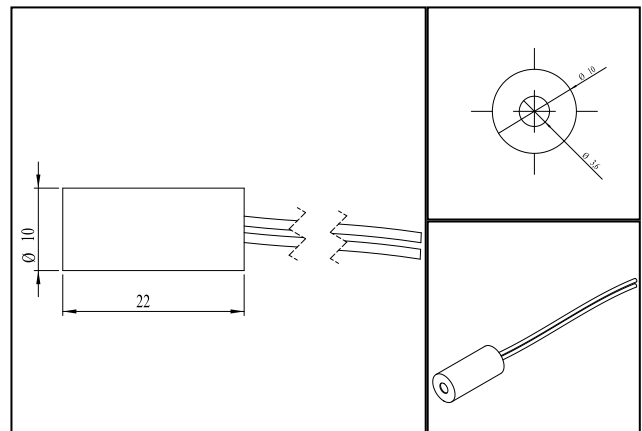
Picture



Cable color

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

Drawing



Safety Label



Valid Revision

0 | 27-AUG-2019