

DOE laser, green, 520 nm, 37°, 5 mW

DOE258-520-5-3(16x90)-NT
Order Number: 70118711

| Main Parameters (*) | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength | | 520 | | nm |
| Optical Output Power | | 5 | | mW |
| Operating Voltage | | 3 | | V DC |
| Operating Current | 80 | 150 | 200 | mA |
| Operating Temperature | -10 | | 60 | °C |
| Storage Temperature | -40 | | 80 | °C |

Main Data

Warranty 1 years

Technical Parameters

Lifetime >6,000 h
RoHS yes

Optical Parameters

| | |
|-------------------------------|----------------------|
| Beam Shape | DOE |
| Laser Class | 2M |
| Divergence | F - 0.7 mrad |
| Fan Angle | 37° |
| Operating Distance | 2 m |
| Optics | glass lens AR coated |
| Laser technology | Single Mode Diode |
| Protection Lens | yes |
| Focus | fixed |
| internal modulation frequency | 1 kHz |

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 | 38.8° |
| Beta | 28° |
| Gamma | 2.8° |
| Delta | 28° |
| a | 70.4 mm |
| b | 49.8 mm |
| c | 4.98 mm |
| d | 49.8 mm |
| Diameter (without holder) | 8 mm |
| Width (without Holder) | 1.2 mm |
| Material | PC |

(*) Over the complete operating temperature range

Features



Picture



Safety Label



Valid Revision