

Dot laser, red, 650 nm, 1 mW

DI650-1-3(4x10)-ADJ
Order Number: 70152685

| Main Parameters (*) | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength | | 650 | | nm |
| Optical Output Power | | 1 | | mW |
| Operating Voltage | 2.8 | 3 | 3.3 | V DC |
| Operating Current | 7 | 15 | 30 | 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 | Dot |
| Laser Class | 2 |
| Divergence | 1 - 1.5 mrad |
| Size of Laserdot | adjustable |
| Operating Distance | 0.02 m |
| Optics | glass lens AR coated |
| Laser technology | Single Mode Diode |
| Focus | adjustable |

Electrical Parameters

| | |
|----------------------|--|
| Potential of Housing | VDD(+) |
| Power Supply | Power Supply with stripped/tinned wires, Output: 3.3V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3.3W max. |

Mechanical Parameters

| | |
|--------------|----------|
| Size | Ø4x10 mm |
| Material | Brass |
| Cable length | 120 mm |

| | |
|-------------------|-------------------------|
| Wire type | 28AWG, Typ 1061, UL1061 |
| Housing Color | black |
| Weight | 3 g |
| PCB | yes |
| Stripping of wire | 5 mm |

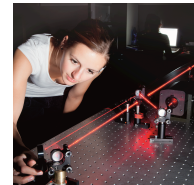
(*) Over the complete operating temperature range

Features



- Focus adjustable
- Housing size 4x10mm
- Pcb at the end of the housing

Picture



Cable color

| | | | |
|----------|--|-------|-----------------------|
| Ground |  | black | GND |
| Positive |  | red | 2.8 - 3.3, typ 3 V DC |

Safety Label



Valid Revision

| 15-JAN-2024