

## Dot laser, red, 650 nm, 2 mW

DI650-2-3(4x10)-ADJ  
Order Number: 70152500

| Main Parameters (*)   | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength            |     | 650 |     | nm   |
| Optical Output Power  |     | 2   |     | 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        | 3R                   |
| Divergence         | I - 1.5 mrad         |
| Size of Laserdot   | <0.04mm@15.1mm       |
| Operating Distance | 0.015 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
- Spot size <0.04mm@15.1mm
- 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

| 16-JUN-2021