

## Dot laser, red, 650 nm, 2.5 mW

DDI650-2.5-5(12x25)  
Order Number: 70102833

| Main Parameters (*)   | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength            |     | 650 |     | nm   |
| Optical Output Power  |     | 2.5 |     | mW   |
| Operating Voltage     | 4.5 | 5   | 5.5 | V DC |
| Operating Current     | 15  | 25  | 40  | 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         | D - 0.5 mrad         |
| Beam Diameter      | 5 mm                 |
| Size of Laserdot   | <2..3mm@5m           |
| Operating Distance | 50 m                 |
| Optics             | glass lens AR coated |
| Laser technology   | diode                |
| Focus              | collimated           |

### Electrical Parameters

|                      |                                                                                                            |
|----------------------|------------------------------------------------------------------------------------------------------------|
| Potential of Housing | isolated                                                                                                   |
| Power Supply         | Power Supply with stripped/tinned wires, Output: 5V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3W max. |

### Mechanical Parameters

|                 |                            |
|-----------------|----------------------------|
| Size            | Ø12x25 mm                  |
| Material        | aluminium                  |
| Cable length    | 100 mm                     |
| Wire type       | 26AWG, 0,14mm <sup>2</sup> |
| Output Aperture | 5 mm                       |
| Weight          | 7 g                        |

(\*) Over the complete operating temperature range

### Features



- Operating Voltage 5 V DC
- Isolated housing
- Laser Class 3R
- Fixed focus
- Compact size

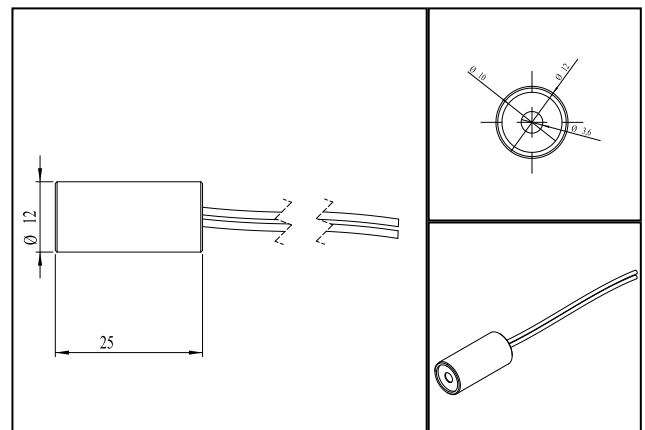
### Picture



### Cable color

|          |                                                                                    |       |                       |
|----------|------------------------------------------------------------------------------------|-------|-----------------------|
| Ground   |  | black | GND                   |
| Positive |  | red   | 4.5 - 5.5, typ 5 V DC |

### Drawing



### Safety Label



### Valid Revision

13 | 25-MAR-2021