

## Dot laser, red, 650 nm, 10 mW

DD650-10-3(14x45)-KIT  
Order Number: 70113815

| Main Parameters (*)   | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength            |     | 650 |     | nm   |
| Optical Output Power  |     | 10  |     | mW   |
| Operating Voltage     | 2.7 | 3   | 3.3 | V DC |
| Operating Current     | 30  | 60  | 90  | 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        | 3B                   |
| Divergence         | D - 0.5 mrad         |
| Size of Laserdot   | adjustable           |
| Operating Distance | 50 m                 |
| Optics             | glass lens AR coated |
| Laser technology   | diode                |
| Focus              | adjustable           |

### Electrical Parameters

|                      |          |
|----------------------|----------|
| Potential of Housing | isolated |
|----------------------|----------|

### Mechanical Parameters

|                 |                            |
|-----------------|----------------------------|
| Size            | Ø14x45 mm                  |
| Material        | aluminium                  |
| Cable length    | 100 mm                     |
| Wire type       | 26AWG, 0,14mm <sup>2</sup> |
| Output Aperture | 5 mm                       |
| Housing Color   | black                      |
| Weight          | 10 g                       |

(\*) Over the complete operating temperature range

### Features



- Uniform illumination
- Operating Voltage 3 V DC
- Laser Class 3B
- Compact size
- Adjustable focus

### Picture



### Cable color

|          |                                                                                      |       |                       |
|----------|--------------------------------------------------------------------------------------|-------|-----------------------|
| Ground   |  | black | GND                   |
| Positive |  | red   | 2.7 - 3.3, typ 3 V DC |

### Safety Label



### Valid Revision

| 21-FEB-2019