

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

DA650-2.5-3(13x43.5)-F40000-C127  
Order Number: 70129625

| Main Parameters (*)   | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength            | 645 | 650 | 665 | nm   |
| Optical Output Power  | 1.5 | 2.5 | 3.5 | mW   |
| Operating Voltage     | 2.6 | 3   | 5   | V DC |
| Operating Current     | 15  | 35  | 35  | mA   |
| Operating Temperature | -20 |     | 50  | °C   |
| Storage Temperature   | -40 |     | 70  | °C   |

### Main Data

|          |         |
|----------|---------|
| Warranty | 1 years |
|----------|---------|

### Technical Parameters

|          |            |
|----------|------------|
| Lifetime | > 10,000 h |
| RoHS     | yes        |

### Optical Parameters

|                    |                      |
|--------------------|----------------------|
| Beam Shape         | Dot                  |
| Laser Class        | 3R                   |
| Divergence         | 0.2 mrad             |
| Size of Laserdot   | <16mm@40m            |
| Operating Distance | 40 m                 |
| Optics             | glass lens AR coated |
| Laser technology   | Single Mode Diode    |
| Focus              | fixed (40.0m)        |

### Electrical Parameters

|                      |        |
|----------------------|--------|
| Potential of Housing | VDD(+) |
| ESD Protection       | yes    |

### Mechanical Parameters

|              |             |
|--------------|-------------|
| Size         | Ø13x43.5 mm |
| Material     | Brass       |
| Cable length | 127 mm      |

|                   |                     |
|-------------------|---------------------|
| Wire type         | 26AWG, UL, isolated |
| Housing Color     | brass               |
| Weight            | 27.2 g              |
| Stripping of wire | 3 mm                |

(\*) Over the complete operating temperature range

### Features



### Picture



### Cable color

|          |                                                                                      |       |                     |
|----------|--------------------------------------------------------------------------------------|-------|---------------------|
| Ground   |  | black | GND                 |
| Positive |  | red   | 2.6 - 5, typ 3 V DC |

### Safety Label



### Valid Revision

| 29-JAN-2018