

## Dot laser, red, 650 nm, 1 mW

DB650-1-3-FA(22X105)-10SEK  
Order Number: 70159622

| Main Parameters (*)   | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength            |     | 650 |     | nm   |
| Optical Output Power  |     | 1   |     | mW   |
| Operating Voltage     | 2.7 | 3   | 3.3 | V DC |
| Operating Current     | 10  | 19  | 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        | 2                    |
| Divergence         | B - 0.3 mrad         |
| Beam Diameter      | 3 mm                 |
| Size of Laserdot   | <3.5mm@5m            |
| Operating Distance | 10 m                 |
| Optics             | glass lens AR coated |
| Laser technology   | Single Mode Diode    |
| Axial Divergence   | $\pm 0.35^\circ$     |
| Focus              | fixed (5.0m)         |

### Electrical Parameters

|                      |                                       |
|----------------------|---------------------------------------|
| Potential of Housing | VDD(+)                                |
| Battery              | CR123A Lithium Battery, 3V<br>1400mAh |
| Battery count        | 1                                     |

### Mechanical Parameters

|                 |            |
|-----------------|------------|
| Size            | Ø22x105 mm |
| Material        | aluminium  |
| Output Aperture | 3.5 mm     |
| Housing Color   | black      |
| Weight          | 74 g       |

(\*) Over the complete operating temperature range

### Features



### Picture



### Safety Label



### Valid Revision

| 30-NOV-2023