

## Dot laser, red, 635 nm, 1 mW

RP-DG635-1-24-F(20X90)  
Order Number: 70182972

| Main Parameters (*)   | min  | typ | max  | Unit |
|-----------------------|------|-----|------|------|
| Wavelength            |      | 635 |      | nm   |
| Optical Output Power  |      | 1   |      | mW   |
| Operating Voltage     | 21.6 | 24  | 26.4 | V DC |
| Operating Current     | 10   | 20  | 30   | mA   |
| Operating Temperature | -20  |     | 60   | °C   |
| Storage Temperature   | -40  |     | 85   | °C   |

### Main Data

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

### Technical Parameters

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

### Optical Parameters

|                    |                      |
|--------------------|----------------------|
| Beam Shape         | Dot                  |
| Laser Class        | 2                    |
| Divergence         | G - 0.8 mrad         |
| Size of Laserdot   | <1mm@1m              |
| Operating Distance | 10 m                 |
| Optics             | glass lens AR coated |
| Laser technology   | Single Mode Diode    |
| Focus              | adjustable           |

### Electrical Parameters

|                      |                                                                                         |
|----------------------|-----------------------------------------------------------------------------------------|
| Potential of Housing | VDD(+)                                                                                  |
| Connector            | CON-M12                                                                                 |
| Power Supply         | Power Supply, Output: 24V DC,<br>Input: 100-240V AC, 50-60Hz,<br>Output Power: 24W max. |

### Mechanical Parameters

|                 |                 |
|-----------------|-----------------|
| Size            | Ø20x90 mm       |
| Material        | Stainless Steel |
| Output Aperture | 1 mm            |
| Weight          | 50 g            |

(\*) Over the complete operating temperature range

### Features



### Picture



### Cable color

|          |                                                                                      |       |                             |
|----------|--------------------------------------------------------------------------------------|-------|-----------------------------|
| Ground   |  | black | GND                         |
| Positive |  | red   | 21.6 - 26.4, typ<br>24 V DC |

### Safety Label



### Valid Revision

| 25-FEB-2025