

## Dot laser, red, 670 nm, 1 mW

DA670-1-5-F(12x60)-POTI  
Order Number: 70118575

| Main Parameters (*)   | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength            |     | 670 |     | nm   |
| Optical Output Power  | 0.3 | 1   | 1   | mW   |
| Operating Voltage     | 4.5 | 5   | 5.5 | V DC |
| Operating Current     | 10  | 40  | 60  | 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         | A - 0.1 mrad         |
| Size of Laserdot   | adjustable           |
| Operating Distance | 30 m                 |
| Optics             | glass lens AR coated |
| Laser technology   | Single Mode Diode    |
| Focus              | adjustable           |

### 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              | Ø12x60 mm                  |
| Material          | aluminium                  |
| Cable length      | 100 mm                     |
| Wire type         | 26AWG, 0,14mm <sup>2</sup> |
| Output Aperture   | 5 mm                       |
| Housing Color     | black                      |
| Weight            | 15.5 g                     |
| Stripping of wire | 5 mm                       |

(\*) Over the complete operating temperature range

## Features



- Operating Voltage 5V DC
- Adjustable focus
- Laser Class 2
- Compact size

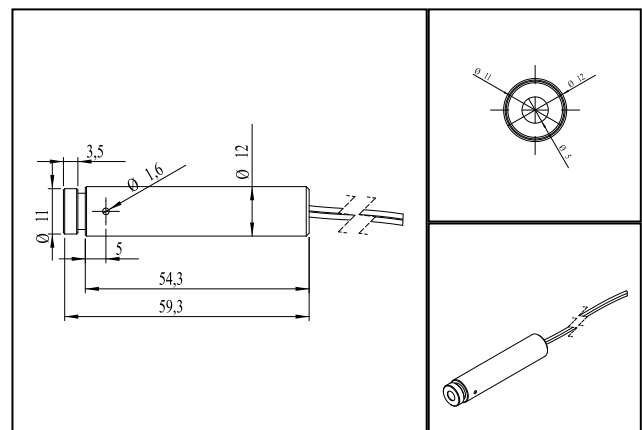
## Picture



## Cable color

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

## Drawing



## Safety Label



## Valid Revision

2 | 12-AUG-2021