



## Dot laser, green, 532 nm, 1 mW

LFD532-1-3(12x60)-C250  
Order Number: 70151480

| Main Parameters (*)   | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength            |     | 532 |     | nm   |
| Optical Output Power  |     | 1   |     | mW   |
| Operating Voltage     | 2.7 | 3   | 3.3 | V DC |
| Operating Current     | 125 | 250 | 375 | mA   |
| Operating Temperature | 15  |     | 30  | °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         | D - 0.5 mrad           |
| Beam Diameter      | 2.5 mm                 |
| Size of Laserdot   | <4mm@10m               |
| Operating Distance | 50 m                   |
| Optics             | glass lens AR coated   |
| Beam Mode          | TEM00                  |
| Laser technology   | Solid State (YVO4+KTP) |
| Focus              | collimated             |
| Warm up time       | < 15 min               |

### Electrical Parameters

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

Power Supply with  
stripped/tinned wires, Output:  
3.3V DC, Input: 100-240V AC,  
50-60Hz, Output Power: 3.3W  
max.

### Mechanical Parameters

|                   |                            |
|-------------------|----------------------------|
| Size              | Ø12x60 mm                  |
| Material          | aluminium                  |
| Cable length      | 250 mm                     |
| Wire type         | 26AWG, 0,14mm <sup>2</sup> |
| Output Aperture   | 3 mm                       |
| Housing Color     | black                      |
| Weight            | 13.5 g                     |
| Stripping of wire | 5 mm                       |

(\*) Over the complete operating temperature range

### Features



- Operating Voltage 3V DC
- Fixed focus
- Laser Class 2
- Compact size

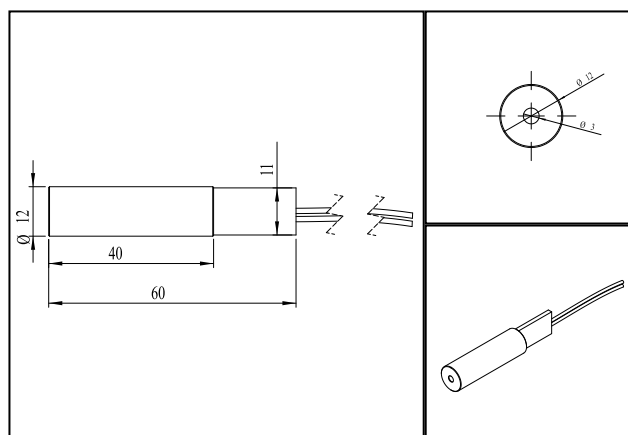
### Picture



### Cable color

|          |  |      |                          |
|----------|--|------|--------------------------|
| Ground   |  | blue | GND                      |
| Positive |  | red  | 2.7 - 3.3, typ 3 V<br>DC |

### Drawing



### Safety Label



### Valid Revision

| 22-OCT-2024