



## Dot laser, green, 532 nm, 5 mW

LFD532-5-3(16X90)  
Order Number: 70161359

| Main Parameters (*)   | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength            |     | 532 |     | nm   |
| Optical Output Power  |     | 5   |     | 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        | 3R                   |
| Divergence         | D - 0.5 mrad         |
| Beam Diameter      | 3 mm                 |
| Size of Laserdot   | <5mm@10m             |
| Operating Distance | 150 m                |
| Optics             | glass lens AR coated |
| Beam Mode          | TEM00                |
| Laser technology   | YVO4+KTP             |
| Stability          | +/- 20% @ 15-30°C    |
| Focus              | collimated           |
| Warm up time       | < 15 min             |

### Electrical Parameters

|                      |                                                                                                                                         |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Potential of Housing | VDD(+)                                                                                                                                  |
| Connector            | 2.5 mm DC plug (GND pole inner)                                                                                                         |
| Power Supply         | Power Supply, Output: 3.3V DC,<br>Input: 100-240V AC, 50-60Hz,<br>Output Power: 3.3W max,<br>Connector 2,5x5,5x9,5mm<br>center negative |

### Mechanical Parameters

|              |           |
|--------------|-----------|
| Size         | Ø16x90 mm |
| Material     | aluminium |
| Cable length | 1,400 mm  |

|                 |      |
|-----------------|------|
| Output Aperture | 3 mm |
| Weight          | 43 g |

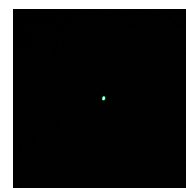
(\*) Over the complete operating temperature range

### Features

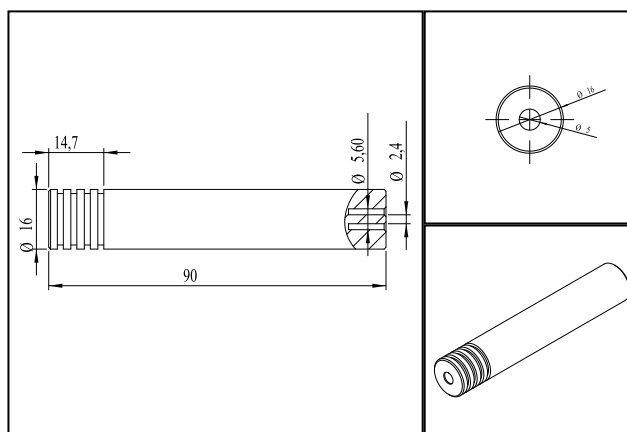


- With 230V power supply
- Image processing
- Glas lenses anti reflex coated
- Laser Class 3R
- Small laser head

### Picture



### Drawing



### Safety Label



### Valid Revision

| 17-JUN-2024