

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

MD532-1-5(20x80)  
Order Number: 70116731

| Main Parameters (*)   | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength            |     | 532 |     | nm   |
| Optical Output Power  |     | 1   |     | mW   |
| Operating Voltage     | 4.5 | 5   | 5.5 | V DC |
| Operating Current     | 80  | 150 | 250 | 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      | 3 mm                   |
| Size of Laserdot   | <3..5mm@10m            |
| Operating Distance | 50 m                   |
| Optics             | glass lens AR coated   |
| Beam Mode          | TEM00                  |
| Laser technology   | Solid State (YVO4+KTP) |
| Stability          | +/- 20% @ 15-30°C      |
| Focus              | collimated             |
| Warm up time       | < 15 min               |

### Electrical Parameters

|                      |          |
|----------------------|----------|
| Potential of Housing | isolated |
| Max. Mod. Frequency  | 10 kHz   |

|              |                                                                                                            |
|--------------|------------------------------------------------------------------------------------------------------------|
| Power Supply | Power Supply with stripped/tinned wires, Output: 5V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3W max. |
|--------------|------------------------------------------------------------------------------------------------------------|

### Mechanical Parameters

|                   |                            |
|-------------------|----------------------------|
| Size              | Ø20x80 mm                  |
| Material          | aluminium                  |
| Cable length      | 100 mm                     |
| Wire type         | 26AWG, 0,14mm <sup>2</sup> |
| Output Aperture   | 5 mm                       |
| Housing Color     | black                      |
| Weight            | 55.5 g                     |
| Stripping of wire | 5 mm                       |

(\*) Over the complete operating temperature range

### Features



- Operating Voltage 5V DC
- Laser Class 2
- Compact size
- Modulated
- Glas lenses anti reflex coated

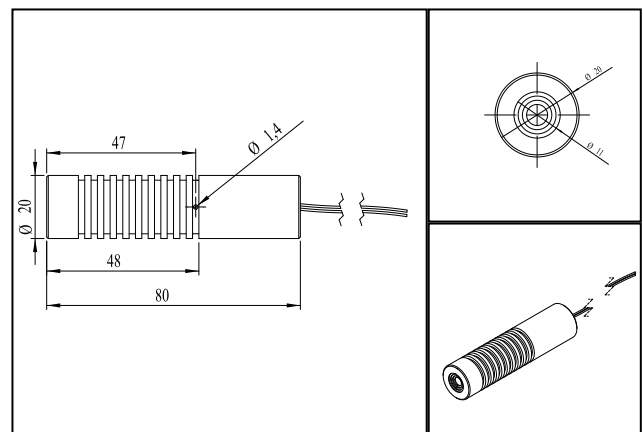
### Picture



### Cable color

|            |                                                                                      |        |                       |
|------------|--------------------------------------------------------------------------------------|--------|-----------------------|
| Ground     |    | blue   | GND                   |
| Positive   |  | red    | 4.5 - 5.5, typ 5 V DC |
| Modulation |  | yellow | 10 kHz                |

### Drawing



### Safety Label



### Valid Revision

1 | 09-JUN-2016