

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

DD532-1-3(20x80)-AP-CON-NT  
Order Number: 70125818

| 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     | 80  | 160 | 240 | 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           |
| Size of Laserdot   | <3.5..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      |
| Axial Divergence   | ± 0.1°                 |
| Focus              | collimated             |
| Warm up time       | < 15 min               |

### Electrical Parameters

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

### 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 g                       |

(\*) Over the complete operating temperature range

### Features



- Glas lenses anti reflex coated
- Laser Class 2
- Operating Voltage 3 V DC
- Compact size
- Axial parallel

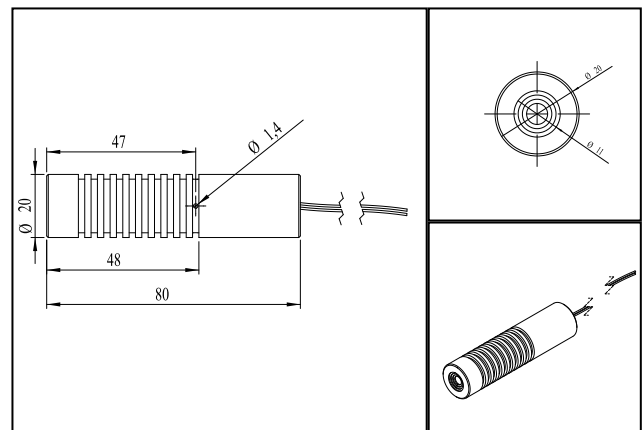
### Picture



### Cable color

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

### Drawing



### Safety Label



### Valid Revision

| 02-FEB-2022