

## Doe laser, green, 520 nm, 37 °, 5 mW

DOE215-520-5-3(16x90)-NT  
Order Number: 70119497

| Main Parameters (*)   | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength            |     | 520 |     | nm   |
| Optical Output Power  |     | 5   |     | mW   |
| Operating Voltage     |     | 3   |     | V DC |
| Operating Current     | 80  | 150 | 200 | mA   |
| Operating Temperature | -10 |     | 60  | °C   |
| Storage Temperature   | -40 |     | 80  | °C   |

### Main Data

|          |         |
|----------|---------|
| Warranty | 1 years |
|----------|---------|

### Technical Parameters

|          |          |
|----------|----------|
| Lifetime | >6,000 h |
| RoHS     | yes      |

### Optical Parameters

|                               |                      |
|-------------------------------|----------------------|
| Beam Shape                    | DOE                  |
| Laser Class                   | 2M                   |
| Divergence                    | F - 0.7 mrad         |
| Fan Angle                     | 37 °                 |
| Operating Distance            | 2 m                  |
| Optics                        | glass lens AR coated |
| Laser technology              | Single Mode Diode    |
| Protection Lens               | yes                  |
| Focus                         | fixed                |
| internal modulation frequency | 1 kHz                |

### Electrical Parameters

|                      |                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Potential of Housing | VDD(+)                                                                                                                      |
| Connector            | 2.5 mm DC plug (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 | Ø16x90 mm |
|------|-----------|

|                 |           |
|-----------------|-----------|
| Material        | aluminium |
| Cable length    | 1,360 mm  |
| Output Aperture | 6 mm      |
| Housing Color   | cyan      |
| Weight          | 43 g      |

### DOE

|          |         |
|----------|---------|
| Alpha    | 18.2 °  |
| Beta     | 15.1 °  |
| Gamma    | 10.1 °  |
| a        | 32 mm   |
| b        | 27 mm   |
| c        | 17.7 mm |
| Material | PC      |

(\*) Over the complete operating temperature range

### Features



### Picture



### Safety Label



### Valid Revision