

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

DOE214-520-5-3-F(16x65)-QCW  
Order Number: 70133165

| Main Parameters (*)   | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength            | 510 | 520 | 530 | nm   |
| Optical Output Power  |     | 5   |     | mW   |
| Operating Voltage     | 2.7 | 3   | 3.3 | V DC |
| Operating Current     | 150 | 180 | 220 | 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                   | 3R                   |
| Divergence                    | D - 0.5 mrad         |
| Operating Distance            | 20 m                 |
| Optics                        | glass lens AR coated |
| Laser technology              | Single Mode Diode    |
| Stability                     | +/- 3% @ -10-50°C    |
| Focus                         | adjustable           |
| internal modulation frequency | 1 kHz                |

### Electrical Parameters

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

### Mechanical Parameters

|              |           |
|--------------|-----------|
| Size         | Ø16x65 mm |
| Material     | aluminium |
| Cable length | 100 mm    |

|                   |                |
|-------------------|----------------|
| Wire type         | 26AWG, 0,14mm² |
| Output Aperture   | 3 mm           |
| Housing Color     | black          |
| Weight            | 16 g           |
| PCB               | no             |
| Stripping of wire | 5 mm           |

(\*) Over the complete operating temperature range

### Features



- With DOE214 (70124095)
- Low Power consumption
- Direct green 520nm
- Laserclass 3R

### Picture



### Cable color

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

### Safety Label



### Valid Revision

| 28-APR-2020