

## Dot laser, blue, 405 nm, 1 mW

DD405-1-3(14x45)-CON  
Order Number: 70133332

| Main Parameters (*)   | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength            |     | 405 |     | nm   |
| Optical Output Power  |     | 1   |     | mW   |
| Operating Voltage     | 2.7 | 3   | 3.3 | V DC |
| Operating Current     | 30  | 60  | 90  | mA   |
| Operating Temperature | 0   |     | 50  | °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   | adjustable           |
| Operating Distance | 10 m                 |
| Optics             | glass lens AR coated |
| Laser technology   | diode                |
| Focus              | adjustable           |

### Electrical Parameters

|                      |                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Potential of Housing | isolated                                                                                                                    |
| 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            | Ø14x45 mm                  |
| Material        | aluminium                  |
| Cable length    | 100 mm                     |
| Wire type       | 26AWG, 0,14mm <sup>2</sup> |
| Output Aperture | 5 mm                       |
| Weight          | 16 g                       |

(\*) Over the complete operating temperature range

## Features



- Blue Lasermodule
- Operating Voltage 3 V DC
- Glas lenses anti reflex coated
- Laser Class 2
- Adjustable focus

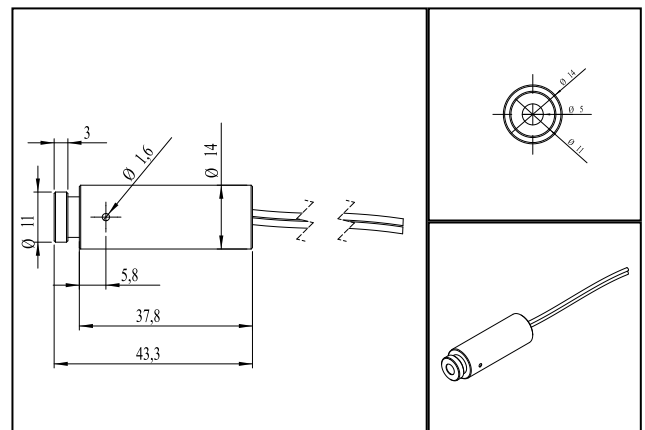
## Picture



## Cable color

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

## Drawing



## Safety Label



## Valid Revision

| 13-JUN-2024