

## Line laser, red, 635 nm, 80°, 0.7 mW

LD635-0.7-5(12x52)80DEG-F600-AP  
Order Number: 70138146

| Main Parameters (*)   | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength            | 630 | 635 | 640 | nm   |
| Optical Output Power  | 0.4 | 0.7 | 0.9 | mW   |
| Operating Voltage     | 4.5 | 5   | 5.5 | V DC |
| Operating Current     | 10  | 15  | 30  | mA   |
| Operating Temperature | 0   |     | 50  | °C   |
| Storage Temperature   | -10 |     | 60  | °C   |

### Main Data

Warranty 1 years

### Technical Parameters

Lifetime > 10,000 h  
RoHS yes

### Optical Parameters

|                                      |                      |
|--------------------------------------|----------------------|
| Beam Shape                           | Line                 |
| Laser Class                          | 1                    |
| Divergence                           | D - 0.5 mrad         |
| Fan Angle                            | 80°                  |
| Line Thickness                       | <1mm@0.6m            |
| Operating Distance                   | 0.6m                 |
| Optics                               | glass lens AR coated |
| Laser technology                     | Single Mode Diode    |
| Opt. Power Stability at const. Temp. | <5%                  |
| Stability                            | <10%@-10°C + 60°C    |
| Axial Divergence                     | ± 1°                 |
| Focus                                | fixed (600mm)        |

### Electrical Parameters

|                          |          |
|--------------------------|----------|
| Potential of Housing     | isolated |
| ESD Protection           | yes      |
| Stripping of cable cover | 15 mm    |

### Mechanical Parameters

|      |           |
|------|-----------|
| Size | Ø12x52 mm |
|------|-----------|

|                  |                   |
|------------------|-------------------|
| Material         | aluminium         |
| Cable length     | 100 mm            |
| Wire type        | 24AWG, black, 3mm |
| Output Aperture  | 4.5 mm            |
| Housing Color    | black             |
| Weight           | 14 g              |
| Protection Class | IP54              |

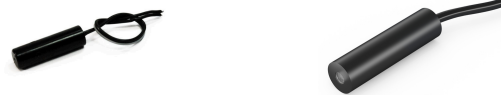
(\*) Over the complete operating temperature range

### Features



- Operating Voltage 5V DC
- Laser Class 1
- Compact size
- Glas lenses anti reflex coated
- Fixed focus

### Picture



### Cable color

|          |  |        |                       |
|----------|--|--------|-----------------------|
| Ground   |  | black  | GND                   |
| Positive |  | yellow | 4.5 - 5.5, typ 5 V DC |

### Safety Label



### Valid Revision

| 17-OCT-2019