

## Line laser, green, 520 nm, 10°, 4 mW

LE520-4-3(12x34)-F10000  
Order Number: 70149135

| Main Parameters (*)   | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength            |     | 520 |     | nm   |
| Optical Output Power  |     | 4   |     | mW   |
| Operating Voltage     | 2.7 | 3   | 3.3 | V DC |
| Operating Current     | 50  | 70  | 80  | mA   |
| Operating Temperature | -20 |     | 70  | °C   |
| Storage Temperature   | -40 |     | 80  | °C   |

### Main Data

Warranty 1 years

### Technical Parameters

Lifetime > 5,000 h  
RoHS yes

### Optical Parameters

|                    |                      |
|--------------------|----------------------|
| Beam Shape         | Line                 |
| Laser Class        | 1M                   |
| Divergence         | E - 0.6 mrad         |
| Fan Angle          | 10°                  |
| Line Thickness     | <4mm@10m             |
| Operating Distance | 10 m                 |
| Optics             | glass lens AR coated |
| Laser technology   | diode                |
| Protection Lens    | yes                  |
| Focus              | fixed (10.0m)        |

### Electrical Parameters

Potential of Housing isolated

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

### Mechanical Parameters

Size Ø12x34 mm

|                 |                            |
|-----------------|----------------------------|
| Material        | aluminium                  |
| Cable length    | 120 mm                     |
| Wire type       | 26AWG, 0,14mm <sup>2</sup> |
| Output Aperture | 6.5 mm                     |
| Housing Color   | black                      |
| Weight          | 10 g                       |

(\*) Over the complete operating temperature range

### Features



- Small fan angle
- Laser Class 1M
- Line thickness <4mm@10m

### Picture



### Cable color

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

### Safety Label



### Valid Revision

| 25-MAR-2021