

## Line laser, green, 520 nm, 20°, 4 mW

LH520-4-5(11X30)20DEG-C2000  
Order Number: 70160031

| Main Parameters (*)   | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength            |     | 520 |     | nm   |
| Optical Output Power  |     | 4   |     | mW   |
| Operating Voltage     | 4.5 | 5   | 5.5 | V DC |
| Operating Current     | 24  | 40  | 60  | mA   |
| Operating Temperature | -10 |     | 60  | °C   |
| Storage Temperature   | -40 |     | 80  | °C   |

### Main Data

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

### Technical Parameters

|                  |           |
|------------------|-----------|
| Lifetime         | > 5,000 h |
| RoHS             | yes       |
| FDA registration | yes       |

### Optical Parameters

|                    |                      |
|--------------------|----------------------|
| Beam Shape         | Line                 |
| Laser Class        | 1                    |
| Divergence         | H - 1.0 mrad         |
| Fan Angle          | 20°                  |
| Line Thickness     | <2mm@2m              |
| Operating Distance | 2 m                  |
| Optics             | glass lens AR coated |
| Axial Divergence   | ± 0.3°               |
| Focus              | fixed (2000mm)       |

### Electrical Parameters

|                      |                                                                                                            |
|----------------------|------------------------------------------------------------------------------------------------------------|
| Potential of Housing | isolated                                                                                                   |
| Power Supply         | Power Supply with stripped/tinned wires, Output: 5V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3W max. |

### Mechanical Parameters

|      |           |
|------|-----------|
| Size | Ø11x30 mm |
|------|-----------|

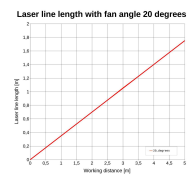
|               |                |
|---------------|----------------|
| Material      | aluminium      |
| Cable length  | 2,000 mm       |
| Wire type     | 26AWG, 0,14mm² |
| Housing Color | black          |
| Weight        | 9 g            |

(\*) Over the complete operating temperature range

### Features



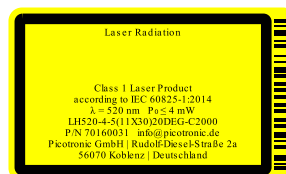
### Picture



### Cable color

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

### Safety Label



### Valid Revision

| 07-MAR-2024