

## Line laser, green, 520nm, 90°, 10mW

LH520-10-24(20x80)-PL-F500-WP

Order Number: 70122985

| Main Parameters (*)   | min  | typ | max  | Unit |
|-----------------------|------|-----|------|------|
| Wavelength            | 515  | 520 | 525  | nm   |
| Optical Output Power  |      | 10  |      | mW   |
| Operating Voltage     | 21.6 | 24  | 26.4 | V DC |
| Operating Current     | 30   | 45  | 60   | mA   |
| Operating Temperature | -10  |     | 60   | °C   |
| Storage Temperature   | -40  |     | 80   | °C   |

### Technical Parameters

|          |         |
|----------|---------|
| Lifetime | >10000h |
| RoHS     | yes     |

### Optical Parameters

|                    |                      |
|--------------------|----------------------|
| Beam Shape         | Line                 |
| Laser Class        | 1M                   |
| Divergence         | H - 1.0mrad          |
| Fan Angle          | 90°                  |
| Line Thickness     | <0.7mm@0.5m          |
| Operating Distance | 0.5m                 |
| Optics             | glass lens AR coated |
| Laser technology   | Single Mode Diode    |
| Protection Lens    | yes                  |
| Focus              | fixed (500mm)        |

### Electrical Parameters

|                      |          |
|----------------------|----------|
| Potential of Housing | isolated |
|----------------------|----------|

### Mechanical Parameters

|                          |                     |
|--------------------------|---------------------|
| Size                     | Ø20x80mm            |
| Material                 | aluminium           |
| Cable length             | 3000mm              |
| Wire type                | 22AWG, black, 3,6mm |
| Output Aperture          | 5.5mm               |
| Housing Color            | black               |
| Weight                   | 98g                 |
| Protection Class         | IP67                |
| Stripping of wire        | 5mm                 |
| Stripping of cable cover | 50mm                |

(\*) Over the complete operating temperature range

### Features





- Operating Voltage 24V DC
- Laser Class 1M
- Uniform line thickness
- High Power
- Small laser head

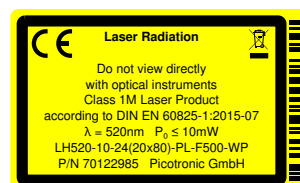
### Picture



### Cable Colors

|          |   |       |                         |
|----------|---|-------|-------------------------|
| Ground   |  | black | GND                     |
| Positive |  | white | 21.6 - 26.4, typ 24V DC |

### Safety Label



### Revision

| 18-OCT-2016