

Line laser, green, 520 nm, 110°, 5 mW

LH520-5-5(22x90)110-F3000
Order Number: 70140910

| Main Parameters (*) | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength | 515 | 520 | 525 | nm |
| Optical Output Power | 3 | 5 | 7 | mW |
| Operating Voltage | 3 | 5 | 5 | V DC |
| Operating Current | 75 | 100 | 130 | mA |
| Operating Temperature | -10 | | 50 | °C |
| Storage Temperature | -40 | | 85 | °C |

Main Data

Warranty 1 years

Technical Parameters

Lifetime > 10,000 h
RoHS yes

Optical Parameters

| | |
|--------------------|----------------------|
| Beam Shape | Line |
| Laser Class | 1M |
| Divergence | B - 0.3 mrad |
| Fan Angle | 110° |
| Line Thickness | <1mm@3m |
| Operating Distance | 10 m |
| Optics | glass lens AR coated |
| Laser technology | Single Mode Diode |
| Focus | fixed (3000mm) |

Electrical Parameters

| | |
|----------------------|--|
| Potential of Housing | isolated |
| Connector | 2.5 mm DC socket (+ pole inner) |
| Power Supply | Power Supply with stripped/tinned wires, Output: 5V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3W max. |

Mechanical Parameters

Size Ø22x90 mm

| | |
|------------------|-------------------|
| Material | aluminium |
| Cable length | 1,000 mm |
| Wire type | 24AWG, black, 3mm |
| Output Aperture | 6 mm |
| Housing Color | black |
| Weight | 63 g |
| Protection Class | IP54 |

(*) Over the complete operating temperature range

Features



- Operating Voltage 5V DC
- Laser Class 1M
- Low cost
- Fan angle 110°
- Compact size

Picture



Cable color

| | | | |
|----------|--|-------|-------------------|
| Ground |  | black | GND |
| Positive |  | red | 3 - 5, typ 5 V DC |

Safety Label



Valid Revision

| 16-MAR-2022