

Laser module red 650nm, IP67 - line

Product codes:

Reference: AM5922

EAN13: -

UPC: 90132000

Product features:

Light color: Red

Wavelength: 650 nm

Voltage: 5 V DC

Connector: 5.5x2.1 mm

Waterproof grade: IP67

Lifetime: 8,000 hours

Beam angle: 110°

Appearance: Line



Product attributes:

Performance: 10 mW, 30 mW, 50 mW, 80 mW, 100 mW, 150 mW, 200 mW

Product description:

Waterproof laser module with a red beam with a wavelength of 650 nm designed for precise line projection. Thanks to the IP67 protection, the module is also suitable for use in damp or dusty environments. Glass optics allow fine focusing of the line width, which can then be fixed using a locking ring. Stable operation and long service life make it ideal for professional industrial applications.

Technical specifications

- Wavelength: 650 nm (red)
- Beam shape: line
- Beam angle: 110°
- Optical power (variants): 10 mW, 30 mW, 50 mW, 100 mW, 150 mW, 200 mW
- Real output power:
 - 10mW (7.5–8.5mW)

- 30mW (18–24mW)
- 50mW (38–45mW)
- 100mW (75–95mW)
- 150mW (100–120mW)
- 200mW (130–150mW)
- Operating mode: CW (continuous light)
- Current control: APC
- Supply voltage: 5V DC
- Operating current: 500 mA
- Connector type: DC 5.5×2.1mm/5.5×2.5mm
- Cable length: 100 cm
- Housing material: aluminum
- Optics material: glass
- Module dimensions: diameter 20 mm × length 90 mm
- Weight: 65g
- Protection: IP67
- Operating temperature: -10°C to +50°C
- Storage temperature: -40°C to +85°C
- Mean Time to Failure (MTTF): > 8,000 hours

Functions and features

- Waterproof design with IP67 protection
- Focusable glass optical lens
- Focus lock using a locking ring
- Stable output power thanks to APC/ACC regulation
- Adjustable projection line width
- Robust aluminum housing with good heat dissipation
- Suitable for continuous operation

Ideal for

- Laser positioning in industrial environments
- Alignment of machines and production lines
- Measurement and control systems
- Construction and surveying applications
- Outdoor installations exposed to moisture or dust
- Industrial marking and guidance

Package contents

- Waterproof 650 nm laser module

Why choose this product?

- IP67 protection for use in harsh environments
 - Accurate and stable line projection
 - Fine mechanical focusing option
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- Long life and professional construction
- Wide range of performance options
- Suitable for industrial and outdoor applications

Product gallery:

