

# Laser module green, 15mW, 520nm, line

## Product codes:

Reference: AM5191

EAN13: -

UPC: 90132000

## Product features:

Light color: Green

Wavelength: 520 nm

Voltage: 2,8-5 V DC

Performance: 15 mW

Waterproof grade: IP20

Appearance: Line

Safety class (IEC 60825-1): 2



## Product attributes:

## Product description:

The laser module with a green wavelength of 520 nm is designed for creating line projections in industrial, laboratory and development applications. It is suitable for integration into measuring, positioning and testing assemblies where continuous laser radiation, compact design and DC voltage supply are required.

## Technical specifications

- Product type: line laser module
  - Wavelength: 520 nm
  - Laser color: green
  - Dimensions: 12 × 40 mm
  - Working mode: continuous
  - Output power: ±15mW
  - Supply voltage: DC 2.8-5V
  - Laser diode working current: less than 200 mA
  - Lifespan: more than 10000 hours
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- Working temperature: -10 to 60 °C
- Storage temperature: 40 to 85 °C

### **Functions and features**

- Line projection for optical marking of axis, plane or direction
- Continuous operation suitable for permanent installation in equipment
- Compact cylindrical design for integration into mechanical assemblies
- Low DC voltage power supply
- Designed as an industrial electronic component for technical applications

### **Ideal for**

- Industrial testing and control products
- Laboratory workplace
- DIY construction and development equipment
- Positioning and aiming applications
- Optical marking in measuring and assembly systems

### **Package contents**

- 1 pc of 520 nm laser module

### **Why choose this product?**

- Specific electrical and operational parameters are available for wiring design
- Compact dimensions facilitate mechanical integration
- Continuous operation mode is suitable for stable line projection
- Power supply in the range of 2.8 to 5 V DC allows use in low-voltage systems
- Suitable for technical, laboratory and development use

### **Installation and operating instructions**

- Observe the specified supply voltage of DC 2.8–5 V.
- Do not exceed the current load specified for the laser diode.
- Install the module in a fixed position with regard to heat dissipation and stability of the projection direction.
- When installing the module in a device, ensure correct polarity and mechanical protection.

### **Safety notice**

- Laser radiation can damage your eyesight. Do not point the beam into your eyes or at reflective surfaces.
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- The product is an electronic component intended for professional integration into equipment.
- Incorrect wiring may lead to module damage or overheating.
- During installation and operation, ensure protection against short circuits and reverse polarity.

**Product gallery:**

