

Laser module green, 15mW, 520nm, cross

Product codes:

Reference: AM2250

EAN13: -

UPC: 90132000

Product features:

Light color: Green

Wavelength: 520 nm

Voltage: 2,8-5 V DC

Performance: 15 mW

Waterproof grade: IP20

Appearance: Cross

Safety class (IEC 60825-1): 2



Product attributes:

Product description:

The laser module with a green wavelength of 520 nm creates a cross projection and is intended for technical, laboratory and integration applications. It is suitable for use in measuring, testing and positioning systems, in a laboratory environment and in the development or construction of your own devices. The module operates in continuous mode and is intended as an electronic component for integration into devices.

Technical specifications

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

Functions and features

- Generates a cross laser track for optical marking of axes or reference lines.
- The green wavelength of 520 nm is suitable for applications requiring good visual readability of the laser projection.
- Continuous operation allows for continuous projection without pulse mode.
- Low DC voltage power supply facilitates integration into electronic devices.
- The compact cylindrical design is suitable for incorporation into fixtures, measuring assemblies and custom designs.
- Intended as an industrial electronic component for test, laboratory and DIY use.

Ideal for

- industrial testing and measuring devices
- laboratory sets and optical experiments
- positioning and aiming applications
- integration projects and equipment development
- DIY construction with optical signaling or reference projection

Package contents

- 1x laser module 520 nm green, cross

Why choose this product?

- Cross projection is suitable for marking two axes simultaneously.
- The compact size of 12 × 40 mm supports installation in limited spaces.
- Power supply in the range of DC 2.8 to 5 V is usable in low-voltage systems.
- Continuous operation is suitable for use in measurement, testing and laboratory applications.
- The technical parameters are intended for installation as part of electronic or industrial equipment.

Installation and operating instructions

- Observe the specified supply voltage of DC 2.8 to 5 V and do not exceed the specified operating values.
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- Install the module in a stable structure with regard to the precise direction of the projection.
- When installing in a device, ensure proper electrical connection and short circuit protection.
- Operate only within the specified operating temperature range.

Safety notice

- Laser radiation can damage your eyesight. Do not point the beam into your eyes or at reflective surfaces.
- The product is an electronic component intended for integration. Incorrect connection may result in damage to the module or the power supply part of the device.
- During installation and operation, it is necessary to prevent short circuits, reverse polarity and exceeding the supply voltage.
- Carry out installation into the device with due regard to professional connection and safe operation of the entire system.

Product gallery:

