

# Laser module red 660nm, IP67 - 10x10 grid

## Product codes:

Reference: AM1934

EAN13: -

UPC: 90132000

## Product features:

Light color: Red

Wavelength: 660 nm

Voltage: 5 V DC

Connector: 5.5x2.1 mm

Waterproof grade: IP67

Lifetime: 8,000 hours

Beam angle: 42°

Appearance: Grid



## Product attributes:

Performance: 50 mW, 100 mW, 150 mW,  
200 mW

## Product description:

The laser module with a red wavelength of 660 nm is designed for projection of a 10x10 dot grid (DOE) and is used mainly for positioning, aiming and position control during cutting and other industrial operations. The design in an aluminum housing and the possibility of sharpening allow the projection to be adapted to a specific application.

## Technical specifications

- Wavelength: 660 nm (red)
- Beam shape: DOE 10x10
- Beam angle: 42x42°
- Optical power (variants): 50 mW, 100 mW, 150 mW, 200 mW
- Real output power:
  - 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: PMMA
- 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**

- 10×10 grid projection for quick visual positioning
- Focusable optics (adjustable focus)
- Compact aluminum housing for better heat dissipation
- 5 V DC power supply for integration into machine and control systems
- IP67 protection for use in more demanding operating conditions

#### **Ideal for**

- Positioning during cutting and marking in industrial machines
- Setting reference points and checking position in assembly fixtures
- Visual guidance in automation and production lines

#### **Package contents**

- Laser module with connecting wire and DC connector

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

- Defined 10×10 grid projection using DOE optics
- Standard mechanical design Ø20 × 90 mm for easy integration
- 5 V DC power supply and finished DC 5.5 × 2.1 mm cable termination
- Durable design with IP67 protection

#### **Installation and operating instructions**

- Ensure a stabilized 5 V DC power supply with sufficient current reserve for the selected power option.
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- Mount the module in a way that ensures cooling of the housing and mechanical stability of the projection.
- After assembly, adjust the focus according to the desired size and sharpness of the projection at the working distance.
- Connect the 5.5 × 2.1 mm DC connector when the power is disconnected.

#### **Safety notice**

- This is a laser source. Do not point the beam into your eyes or observe the direct or reflected beam.
- During installation and adjustment, use appropriate protective equipment and follow the internal safety regulations of the workplace.
- Operate the module only within the specified electrical and temperature conditions.

#### **Product gallery:**

