LIGHT SOURCE · DATASHEET

Light Source, White + IR 15×15

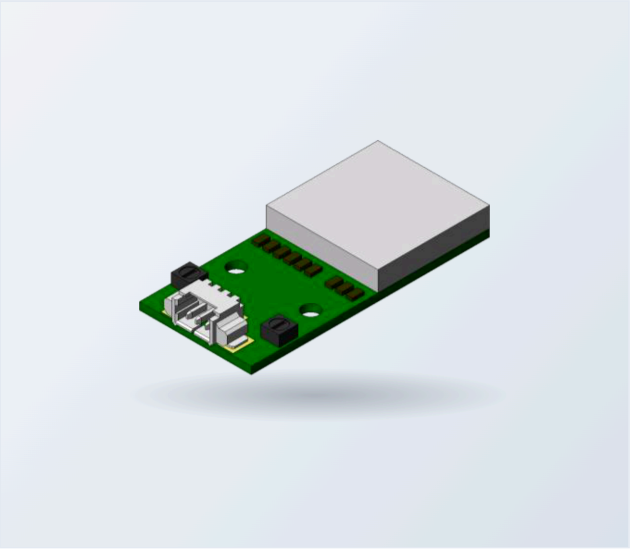
MA005613

BLUELEC
Part of JOT Automation

The **MA005613** is a dual-channel light source combining white and near-infrared emitters behind a single 15×15 mm light-emitting surface.

The white and IR channels are powered independently, allowing visible-light and infrared test cases — camera, ambient light sensor, and IR sensor testing — with one component.

Intended for high-volume production, R&D laboratories, service centres, and test laboratories.



SPECIFICATIONS

Supply voltage	**12–24 V, typ. 12 V**
Supply current	**7–20 mA, typ. 13.5 mA**
Power consumption	**0.005–0.46 W, typ. 0.16 W**
ESD protection	**2500 V**
Dimensions (L×W×H)	**32 × 15 × 4.8 mm (1.26 × 0.59 × 0.19 in)**

OPTICAL SPECIFICATION

at typ. 12 V supply

Luminance (white)	**Adjustable**
Colour temperature (white)	**6000 K (typ.)**
Light-emitting surface	**15 × 15 mm (0.59 × 0.59 in)**

Of the assembled light-emitting diode.

ENVIRONMENTAL

Operating temperature	**+20…+40 °C**
Storage temperature	**−20…+85 °C**
Relative humidity	**15–95 % non-condensing**
Compliance	**RoHS**

RELATED PRODUCTS

EM052157-3	Light Source, White 15×15
PCB-990	Light Source, IR 15×15
MA009873	Ambient Light Source

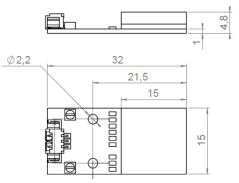
Contact **sales@bluelec.com** for calibration options and custom light source solutions.

MOUNTING & INTERFACE

Power connector	**Molex 53261-0371**
Pin 1	**Vcc, white channel**
Pin 2	**Vcc, IR channel**
Pin 3	**GND**

DIMENSIONS

mm



3D CAD models available on request via **sales@bluelec.com**

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