LIGHT SOURCE · DATASHEET

Light Source, IR 15×15

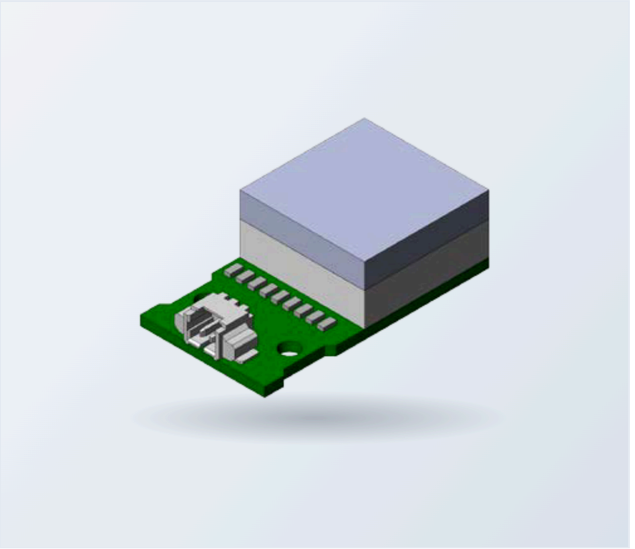
PCB-990

BLUELEC
Part of JOT Automation

The **PCB-990** is a compact near-infrared light source developed for testing sensors and cameras on mobile devices.

It produces 850 nm (typ.) infrared illumination from a 15×15 mm emitting surface, suitable for proximity sensor, IR camera, and face recognition sensor testing.

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



SPECIFICATIONS

Supply voltage	**12 V**
Supply current	**90–91 mA, typ. 90.5 mA**
Power consumption	**typ. 1.09 W**
Dimensions (L×W×H)	**27 × 15 × 8.4 mm (1.06 × 0.59 × 0.33 in)**

OPTICAL SPECIFICATION

Peak wavelength [1]	**850 nm (typ.)**
Spectral bandwidth [1]	**45 nm (typ.)**
Radiant intensity [1]	**0.2–0.7 mW/sr**
Light-emitting surface	**15 × 15 mm (0.59 × 0.59 in)**

[1] 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
MA005613	Light Source, White + IR 15×15
MA009873	Ambient Light Source

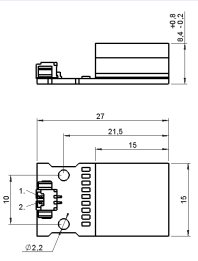
Contact **sales@bluelec.com** for calibration options and custom light source solutions.

MOUNTING & INTERFACE

Power connector	**Molex 53261-0271**
Pin 1	**Vcc**
Pin 2	**GND**

DIMENSIONS

mm



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

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Specifications subject to change without notice.