

2 - 12um HgCdTe Photovoltaic Multi-Junction Detector Module, LabM-1-10.6



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Note: This item requires accessories for use | [Learn More](#)

Product Downloads

General

IR Photovoltaic Detection Module **Type:**

Software Package, Requires Controller (#90-469) **Software:**
[SmartManager](#)
[Python Library](#)
[Documentation](#)

LabM-1-10.6 **Model Number:**

Vigo Photonics

Manufacturer:

Physical & Mechanical Properties

310 **Weight (g):**
1.00 x 1.00 **Size of Active Area (mm):**
88.5 x 40.0 x 45.6 **Dimensions (mm):**
1.00 x 1.00 **Active Area (mm):**

Optical Properties

2000 - 12000 **Spectral Response (nm):**
36 **Acceptance Angle (°):**

Electrical

Up to 120 MHz **Bandwidth (MHz):**

Hardware & Interface Connectivity

Power Supply Required (#90-469) and Sold Separately **Power Supply:**

Environmental & Durability Factors

+10 to +30 **Operating Temperature (°C):**
-20 to +85 **Storage Temperature (°C):**

Additional Info

(1) SMA-BNC Cable, (1) LEMO-DB9 Cable **Included Components:**

Regulatory Compliance

[Exempt](#) **RoHS 2015:**
[View](#) **Certificate of Conformance:**
[Compliant](#) **Reach 247:**
Poland **Country of Origin:**
Edmund Optics India Private Limited **Imported By:**

Product Details

- Built-In Preamplifiers and TEC Control Options
- Mid and Long-Wave Infrared (MMIR/LWIR) Spectral Ranges
- Evaluation Kits and Digital Interfaces for Simplified Setup and Data Acquisition

Vigo Photonics Infrared Detector Modules offer solutions that combine advanced IR detector technology with integrated electronics for simplified system integration. These compact modules feature options ranging from uncooled micro-size designs to multi-stage TE-cooled laboratory systems with programmable preamplifiers. Evaluation kits, digital interfaces, and built-in TEC controllers ensure fast setup and reliable operation across diverse environments. Vigo Photonics Infrared Detector Modules are available in configurations optimized for mid-wave and long-wave infrared, with spectral coverage from 2 to 12µm. Ideal for spectroscopy, gas sensing, industrial monitoring, and defense applications, these modules deliver high performance in flexible, ready-to-use packages.