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2.2 - 5.5um HgCdTe Photovoltaic Detector Module, AMS3140-01

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Stock **#90-456** NEW **4 In Stock**

- 1 + **C$945**.00

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Note: This item requires accessories for use | Learn More

Product Downloads

General

Type:
IR Photovoltaic Detection Module

Model Number:
AMS3140-01+EvalKit 00137003

Note:
Optional Signal Processing Add-On (**#90-468**) and
Board Level USB Adapter (**#90-467**) Available

Manufacturer:
Vigo Photonics

Physical & Mechanical Properties

Weight (g):
317

Size of Active Area (mm):
1.00 x 1.00

Dimensions (mm):
30.0 x 19.0 x 10.0

Active Area (mm):
1.00 x 1.00

Optical Properties

Spectral Response (nm):
2200 - 5500

Acceptance Angle (°):
70

Electrical

Bandwidth (MHz):
Up to 4 MHz

Environmental & Durability Factors

Operating Temperature (°C):
-20 to +65

Storage Temperature (°C):
-50 to +85

Additional Info

Included Components:
(1) Evaluation board, AMS3140-01 Module, (1) Flash Drive with Documentation, (1) Heatsink, (1) Adapter for Optical Posts

Regulatory Compliance

RoHS 2015:
Exempt

Certificate of Conformance:
View

Reach 247:
Compliant

Product Details

- Built-In Preamplifiers and TEC Control Options
- Mid and Long-Wave Infrared (MWIR/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.

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