

[See all 5 Products in Family](#)

2 - 12um HgCdTe Photovoltaic Multi-Juncton IR Detector, PVM-10.6-1x1-TO39-NW-90



2 - 12um HgCdTe Photovoltaic Multi-Juncton IR Detector, PVM-10.6-1x1-TO39-NW-90

Stock **#90-462** NEW CONTACT US

⊖ 1 ⊕ **SS\$1,127⁰⁰**

ADD TO CART

Volume Pricing	
Qty 1+	SS\$1,127.00 each
Need More?	Request Quote

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

Product Downloads

General

IR Photovoltaic Detector	Type:
PVM-10.6-1x1-TO39-NW-90	Model Number:
TO-39	Package:
Vigo Photonics	Manufacturer:

Physical & Mechanical Properties

7 **Weight (g):**

1.00 x 1.00 **Active Area (mm):**

Optical Properties

2000 - 12000 **Spectral Response (nm):**

90 **Acceptance Angle (°):**

Environmental & Durability Factors

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

-20 to +50 **Storage Temperature (°C):**

Regulatory Compliance

[Exempt](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

[Compliant](#) **Reach 250:**

Product Details

- Mid and Long-Wave Infrared (MMR/LWIR) Spectral Range
- 1 × 1mm² Active Areas with Acceptance Angles up to 90°
- TO-39 and TO-8 Package Styles with Specialized Anti-Reflection Windows

Vigo Photonics Infrared Detectors deliver high-performance mid and long-wave IR detection with exceptional sensitivity and stability across demanding applications. These HgCdTe and InAsSb detectors are available with a variety of cooling configurations, including single, dual, triple, and quad-stage thermoelectric coolers, to optimize signal-to-noise ratios. Models are offered with active areas of 1 × 1mm² and acceptance angles up to 90°, providing flexibility for system integration. Vigo Photonics Infrared Detectors feature precision packaging options such as TO-39 and TO-8 housings with specialized anti-reflection coatings for maximum throughput. These detectors combine reliability with infrared technology, making them ideal for spectroscopy, gas analysis, and defense applications.