

2.3 - 4.4um HgCdTe Photovoltaic Infrared Detector, PVI-2TE-4-1x1-TO8-wAl203-36



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Stock #90-460 NEW **4 In Stock**

S\$1,575⁰⁰

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Qty 1+	S\$1,575.00 each
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Note: This item requires accessories for use | [Learn More](#)

Product Downloads

General

IR Photovoltaic Detector	Type:
PVI-2TE-4-1x1-TO8-wAl203-36	Model Number:
TO-8	Package:
Vigo Photonics	Manufacturer:

Physical & Mechanical Properties

7 **Weight (g):**

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

Optical Properties

2300 - 4400 **Spectral Response (nm):**

36 **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.