

## 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**

A\$1,800<sup>00</sup>

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Volume Pricing	
Qty 1+	A\$1,800.00 each
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Note: This item requires accessories for use | [Learn More](#)

### Product Downloads

### General

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

## 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 (MMIR/LWIR) Spectral Range
- 1 × 1mm<sup>2</sup> 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 × 1mm<sup>2</sup> 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.