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

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

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

- 1 + **MRP ₹1,19,475**

Price inclusive of all taxes

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Note: This item requires accessories for use | Learn More

Product Downloads

General

Type:
IR Photovoltaic Detector

Model Number:
PVI-2TE-4-1x1-TO8-wAl203-36

Package:
TO-8

Manufacturer:
Vigo Photonics

Physical & Mechanical Properties

Weight (g):

7

Active Area (mm):

1.00 x 1.00

Optical Properties

Spectral Response (nm):

2300 - 4400

Acceptance Angle (°):

36

Environmental & Durability Factors

Operating Temperature (°C):

-20 to +30

Storage Temperature (°C):

-20 to +50

Regulatory Compliance

RoHS 2015:

Exempt

Certificate of Conformance:

View

Reach 250:

Compliant

Country of Origin:

Poland

Imported By:

Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

Product Details

- Mid and Long-Wave Infrared (MWIR/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.

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