



NEW!

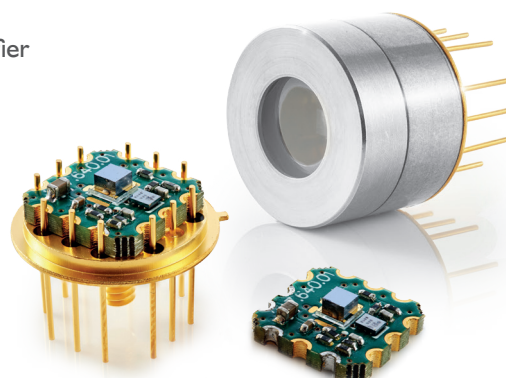


Affordable MWIR InAsSb IR detection module

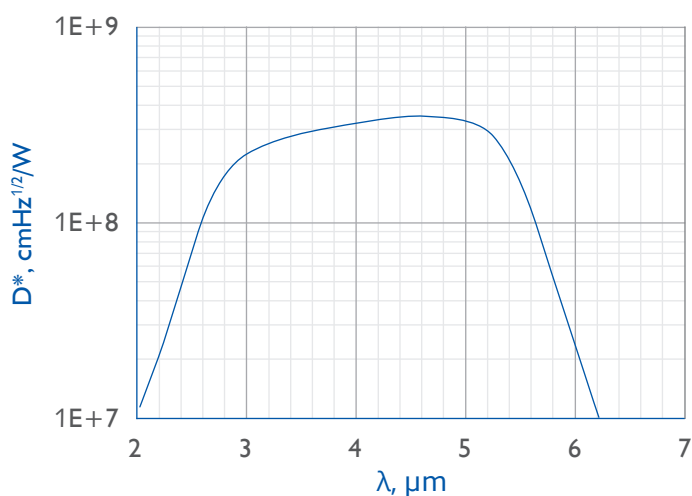
VIGO System introduces the smallest on the market environmentally friendly MWIR detection modules with stable uncooled InAsSb photovoltaic detectors integrated with low noise preamplifiers.

FEATURES

- Uncooled MWIR InAsSb detector integrated with low noise preamplifier
- TO-8 / OEM submount
- Small size: chip dimension - 10 x 10 x 3 mm³
- Low power consumption
- RoHS compliance
- Immune to EMI
- DC / AC operation
- Large dynamic range
- Reduced fringing option
- Convenient in use
- Customizable size, spectral response and signal processing circuits
- SPI / USB digital output available soon



SPECTRAL RESPONSE @20°C



Exemplary spectral detectivity, the spectral response of delivered device may differ.

PARAMETERS @20°C

Parameter	Typical value
Peak wavelength	4.6 μm
10% cut-on wavelength	1.2 to 4.0 μm
10% cut-off wavelength	5.9 μm
Peak voltage responsivity	400 V/W
Peak detectivity	$3.5 \times 10^8 \text{ cm} \cdot \text{Hz}^{1/2} / \text{W}$
Electrical bandwidth	3 MHz
Acceptance angle	up to 160°
Output voltage swing	0.5 V
Storage temperature	-20 to 60 °C

APPLICATIONS

- MWIR spectroscopy (gas, liquids and solids analysis)
- Temperature measurement
- Laser metrology
- Monitoring of industrial and laboratory processes
- Laser power monitoring and control

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 **VIGO System S.A.**