

Infrared Position Sensing Modules

1330 nm and 1550 nm Non-Contact Measurement Of:

- Position
- Motion
- Distance
- Vibration

Features

- 800 nm-1800 nm Wavelength Range
- Fully Packaged Germanium Position Sensing Detectors
- 5 mm x 5 mm and 10 mm x 10 mm Configuration
- Plug-And-Play Compatible With All On-Trak Position Sensing Amplifiers
- Pin-cushion Tetra-lateral Design
- Standard 1/4-20 or # 8-32 Mounting Holes



Infrared Position Sensing Modules

General Description

The PSM2-5G and PSM2-10G are fully packaged germanium position sensing detectors (PSDs). Both are ideal for non-contact measurement of position, motion, distance and vibration in the infrared.

When used with the On-Trak OT-301 Position Sensing Amplifier, each module provides an analog

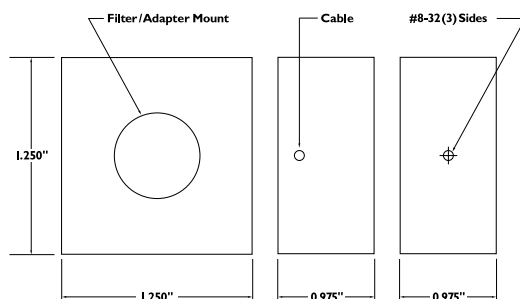
output for X and Y directly proportional to the position of a light spot on its surface.

For more information on On-Trak Infrared Position Sensing Modules, and how they benefit your particular application, please contact On-Trak today.

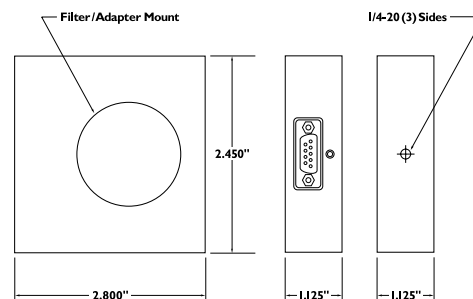
Specifications

Model Number	Detector Type	Wavelength Range (μm)	Active Area (mm)	Linear Position Zone (Dia.) (mm)	Typical Position Resolution (μm)	Typical Interelectrode Resistance (ohms)	Peak Responsivity A/W	Detector Temperature
PSM2-5G	Ge	0.8 - 1.8	5 x 5	3	5	100	0.6	22° C
PSM2-10G	Ge	0.8 - 1.8	10 x 10	6	5	100	0.6	22° C

PSM2-5G Drawing



PSM2-10G Drawing



See OT-301 Position Sensing Amplifier brochure for details.