

## PbSe 4 Channel Infrared Detector

Multi-element assembly available with two to four discrete optical channels in a single package.



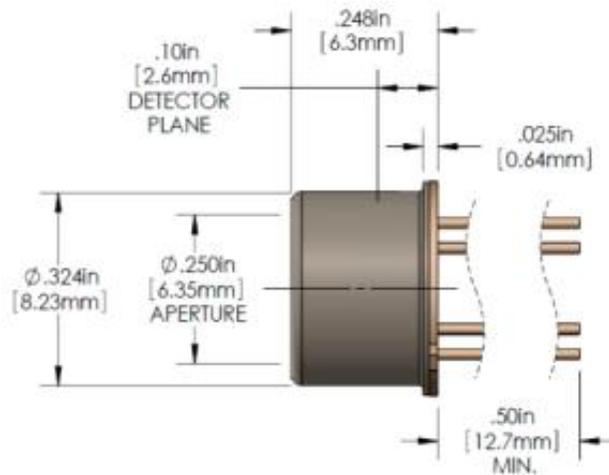
### Key Features:

- Four discrete ultra-sensitive optical channels in one package
- Support simultaneous measurement of multiple materials
- Sensitive in 1 to 5.5  $\mu\text{m}$  range for near and mid IR applications
- Compact TO-5 package maximizes potential applications
- Ideal for portable instruments where size is critical
- Hermetically sealed for use in harsh environments
- Available with narrow band pass (NBP) spectral filters
- Filters designed for CO<sub>2</sub>, CO and Hydrocarbon measurements
- Available with customer specified spectral filters

### Applications:

Non-dispersive Infrared (NDIR) gas measurement

## Mechanical Dimensions:



## Filter Specifications:

- Element 1 – HC, CWL =  $3.44 \pm .03 \mu\text{m}$ , Transmission > 85% at CWL
- Element 2 – REF, CWL =  $3.84 \pm .04 \mu\text{m}$ , Transmission > 85% at CWL
- Element 3 – CO<sub>2</sub>, CWL =  $4.26 \pm .04 \mu\text{m}$ , Transmission > 85% at CWL
- Element 4 – CO, CWL =  $4.64 \pm .05 \mu\text{m}$ , Transmission > 85% at CWL