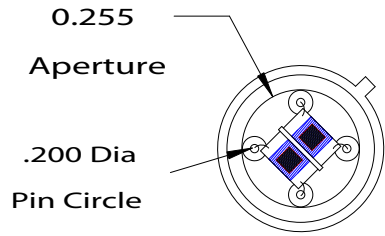


**PbSe SPECIFICATIONS**

BOTTOM PbSe PC DETECTOR  
 ACTIVE AREA - 1MM X 1MM  
 WAVELENGTH - 1.0 - 5.0u  
 RESISTANCE - .2 - 1.5 M ohms  
 RESPONSIVITY - >3000V/W  
 D\*(Pk,1000,1)X9 -2.0 Min  
 TIME CONSTANT - 3us Typ

**MEASURE FILTER SPECIFICATIONS**

CENTER WAVELENGTH - 3.40 MICRONS  
 1/2 POWER BANDWIDTH - 0.300 microns  
 TRANSMISSION - 88% Typ  
 BLOCKING - UV TO 7 MICRONS



**TO5**

**REFERENCE FILTER SPECIFICATIONS**

CENTER WAVELENGTH - 3.80 MICRONS  
 1/2 POWER BANDWIDTH - 0.190 microns  
 TRANSMISSION - 90% Typ  
 BLOCKING - UV TO 7 MICRONS

**NOTE:**

- HC Detector (Alcohol)
- Other filter bandwidths are available
- Custom filters are available
- Other active areas are available
- PbS, Si and InGaAs detectors are available
- Other packages are available (TO8, TO3, Etc.)
- All assemblies are hermetically sealed

<b>DO NOT SCALE DRAWING</b>	DRAWN		DATE	<b>N.E.P.</b> NEW ENGLAND PHOTOCONDUCTOR			
	CHECKED		DATE				
	DESIGNER	<b>GG</b>	DATE	<b>FM-1D-5-F-3.4/3.8</b>			
	ENGINEER	<b>PB</b>	DATE				
MATERIAL:	PROJECT ENGINEER		DATE	SIZE	CODE IDENT. NO.	TYPE	REV
FINISH SPECS:	PROJECT APPROVAL		DATE	<b>A</b>			<b>1499</b>
	<b>PMB 3/3/09</b>						