



**TO5**

**PbSe SPECIFICATIONS**

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 - 4.26 MICRONS  
 1/2 POWER BANDWIDTH - 0.180 microns  
 TRANSMISSION - 90% Typ  
 BLOCKING - UV TO 7 MICRONS

**REFERENCE FILTER SPECIFICATIONS**

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

**NOTE:**  
 CO2 Detector  
 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-4.2/3.8</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>1497</b>
	<b>PMB 3/3/09</b>						