1. SPECIFICATION FOR PHOTOCONDUCTOR HgCdTe DETECTOR

MATERIAL TYPE: HgCdTe
ACTIVE AREA SIZE: 1.0 mm x 1.0 mm

DETECTOR SPECIFICATIONS:
MINIMUM D* (PEAK: 100 Hz, 1 Hz): 5.0 x 10^-10 cm Hz/2 W-1
MINIMUM RESPONSIVITY (PEAK: 1000 Hz): 2.000 V/W
MINIMUM WAVELENGTH (BANDPASS): 20% at 5.5 um
MAXIMUM BIAS VOLTAGE: 7.0 Volts
FIELD OF VIEW: 60°
WINDOW MATERIAL TYPE: Sapphire AR Coated 1 - 6 um
MINIMUM HOLD TIME: 8 Hours
MAXIMUM FLOW RATE: 120 ml/min
DETECTOR TO WINDOW DISTANCE: 8.5 +/- 0.5 mm

NOTES:
1/4" EVACUATION PORT SUPPLY WITH PROTECTIVE CAP
1/8" NPT FILL PORT SHOWN WITH FILL PORT PLUG REMOVED
.335 TO DET. PLANE
1.12 DIA FILL PORT PLUG
1.989 1.987 DIA WINDOW RETAINING NUT
.75 O.D. x .04 THK SAPPHIRE WINDOW .56 DIA CLEAR APERTURE

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES

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NEXT ASSEMBLY: USED ON
THIRD ANGLE PROJECTION

SCALE: 1:1  DO NOT SCALE MFG SHEET 1 of 1