1. SPECIFICATION FOR PHOTOCODCTOR HgCdTe DETECTOR

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

DETECTOR SPECIFICATIONS:
77 Kelvin
MINIMUM O (PEAK, 10kHz, Hz): 2.9E10 cm<sup>-3</sup>/2 W-1
MINIMUM RESPONSIVITY (PEAK, 900Hz): 800 V/W
MINIMUM WAVELENGTH CUTOFF: 20% at 16.6 um
MAXIMUM BIAS VOLTAGE: 7.0 Volts
FIELD OF VIEW: 60°
WINDOW MATERIAL TYPE: ZnSe Wedged/1°
MINIMUM HOLD TIME: 8 Hours
MAXIMUM FLOW RATE: 120 nl/ma
DETECTOR TO WINDOW DISTANCE: 8.5 +/- 0.5 mm

NOTES:

1/8" NPT FILL PORT SHOWN WITH FILL PORT PLUG REMOVED
1/4" EVACUATION PORT SUPPLY WITH PROTECTIVE CAP

WINDOW INNER
0.062
.335 TO DET. PLANE
1.969
1.987 DIA WINDOW RETAINING NUT
2.50 DIA
1.12 DIA FILL PORT PLUG

52 O.D. x .04 THK ZnSe WINDOW WITH A 1" WEDGE .49 DIA CLEAR APERTURE

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES

MENTS ADJUST

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NEXT ASSY USED ON