NOTES:

1. SPECIFICATION FOR PHOTOCONDUCTOR HgCdTe DETECTOR

MATERIAL TYPE: HgCdTe
ACTIVE AREA SIZE: 0.025 mm x 0.025 mm

DETECTOR TESTED AT: 77 Kelvin
MINIMUM D+ (PEAK, 1KHz, 1Hz): 3.0 x 10^-10 V/Hz Hz-1 W-1
MINIMUM D- (PEAK, 1KHz, 1Hz): 4.0 x 10^-10 V/Hz Hz-1 W-1
MINIMUM RESPONSIVITY (PEAK, 500Hz): 100,000 V/W
MINIMUM WAVELENGTH CUTOFF: 20% at 12.0 um
MAXIMUM BIAS VOLTAGE: 0.175 Volts
FIELD OF VIEW: 60°
WINDOW MATERIAL TYPE: ZnSe Wedged/20°
MINIMUM HOLD TIME: 8 Hours
MAXIMUM N2 FLOW RATE: 120 n/min

1/8" NPT FILL PORT SHOWN WITH FILL PORT PLUG REMOVED
1/4" EVACUATION PORT, SUPPLY WITH PROTECTIVE CAP
.335 TO DET. PLANE
WINDOW OUTER
.062
1.989 1.987 DIA WINDOW RETAINING NUT
.31
1.7

.75 O.D. x .04 THK ZnSe WINDOW WITH A 20° WEDGE .56 DIA CLEAR APERTURE

REVISIONS

REV DESCRIPTION DATE APPROVED
0 INITIAL RELEASE 09/10/02 WR/GPG

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES

DECIMALS: 4
RIGULAR: 1/16" ± .003"