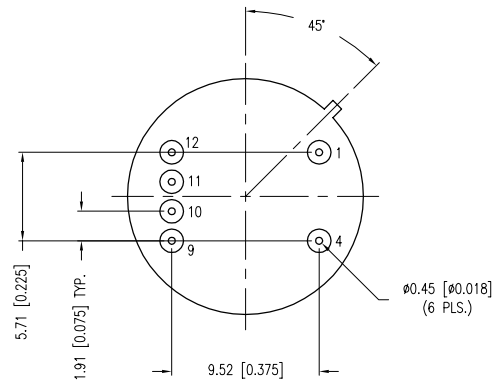
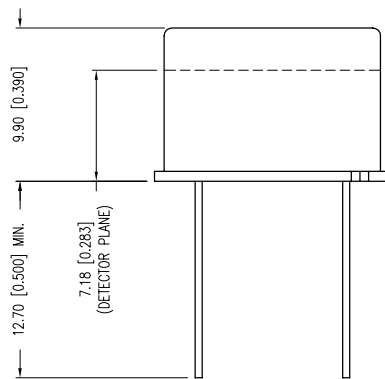
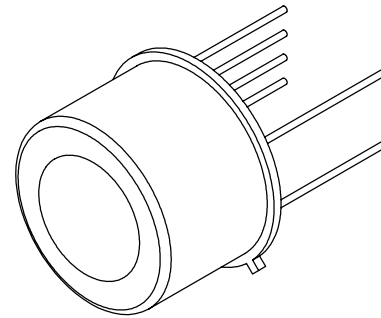
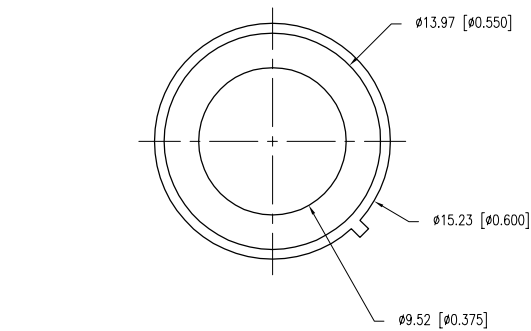




SPECIFICATIONS

STANDARD SPECIFICATIONS: ELECTRICAL
ALL DETECTOR SPECIFICATIONS ARE AT A BIAS VOLTAGE OF 25V/mm DISTANCE BETWEEN ELECTRODES APPLIED ACROSS THE DETECTOR AND WITH A LOAD RESISTOR IN SERIES. ALL SPECIFICATIONS APPLY AT OR NEAR MAXIMUM COOLING W/HEAT SINK AT +25°C. TYPICAL COOLER POWER AT MAX. COOLING 1.9V AT 1.4A.

	MIN.	TYP.	MIN.	UNITS
WAVELENGTH OF MAX. RESPONSE	4.3	4.5		μm
D*(500K, 1000Hz, 1Hz)	2.9x10 ⁹	5.2x10 ⁹		cm Hz ^{2/2} W ⁻¹
D*(1pk, 1000Hz, 1Hz)	2.0x10 ¹⁰	3.5x10 ¹⁰		cm Hz ^{2/2} W ⁻¹
ELEMENT RESISTANCE (DARK)	1	6	20	MΩ/sq.
TIME CONSTANT (NOT MEASURED)		12	25	μs
RATED ELEMENT TEMP.			55	°C
ELEMENT SIZE		2x2		mm
RESPONSIVITY (1pk, 650) vw-1	5.0x10 ⁴	7.5x10 ⁴		
AMBIENT TEMP.		25		°C
DETECTOR OPER. TEMP.		-25		°C
OPERATING TEMP.		-50		°C

PIN FUNCTION TABLE

PIN NO.	FUNCTION	COLOR
1	COOLER (-)	BLACK
4	COOLER (+)	RED
9	DETECTOR	WHITE
10	THERMISTOR	YELLOW
11	THERMISTOR	YELLOW
12	DETECTOR	WHITE

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= ^{+DECIMAL PRECISION}_{-0.00} MAX= ^{+0.00}_{-DECIMAL PRECISION}

UNCONTROLLED DOCUMENT



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HP COOLED PbSe 2x2

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

CONFIDENTIAL INFORMATION
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DATE:	02.11.11	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	BC
UNIT:	mm [INCH]		Ⓟ