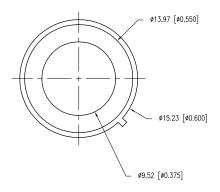
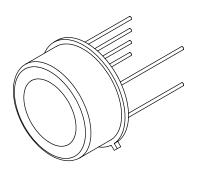
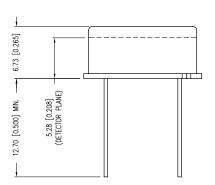
PART NUMBER

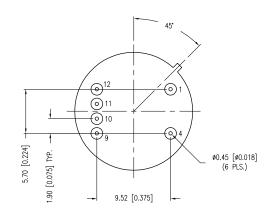
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REV.









## 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.

	MIN.	TYP.	MAX.	UNITS
WAVELENGTH OF MAX. RESPONSE	4	4.2		μm
D*(500K, 1000Hz, 1Hz)	1.9x10°	3.9x10°		cm Hz <sup>1/2</sup> W <sup>-1</sup>
D*(lpk, 1000Hz, 1Hz)	1.4x10 <sup>10</sup>	2.8x10 <sup>10</sup>		cm Hz <sup>1/2</sup> W <sup>-1</sup>
ELEMENT RESISTANCE (DARK)	0.5	4	10	MΩ/sq.
TIME CONSTANT (NOT MEASURED)		6	12	με
RATED ELEMENT TEMP.			85	•c
DT @/OR NEAR MAX. COOLING	45	50		.c
ELEMENT SIZE		2x2		mm
RESPONSIVITY (lpk, 650) vw-1	2.0x10 <sup>4</sup>	3.0x10 <sup>4</sup>		
AMBIENT TEMP./DETECTOR OPER. TEMP.		25		•c
DETECTOR OPER. TEMP.		-25		•c

## PIN FUNCTION TABLE

FUNCTION	COLOR
COOLER (-)	BLACK
COOLER (+)	RED
DETECTOR	WHITE
THERMISTOR	YELLOW
THERMISTOR	YELLOW
DETECTOR	WHITE
	COOLER (-) COOLER (+) DETECTOR THERMISTOR THERMISTOR

\*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=  $^{+DECIMAL}_{-0.00}$  PRECISION MAX.=  $^{+0.00}_{-DECIMAL}$  PRECISION MAX.=  $^{+0.00}_{-DECIMAL}$  PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.003). MIN=  $^{+DECIMAL}_{-0.00}$  PRECISION MAX.=  $^{+0.00}_{-DECIMAL}$  PRECISION MAX.=  $^{+0.00}_{-DECIMAL}$ INCONTROLLED DOCUMENT



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COOLED PbSe 2x2

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

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