



SPECIFICATIONS

STANDARD SPECIFICATIONS: ELECTRICAL
 ALL DETECTOR SPECIFICATIONS ARE AT A BIAS VOLTAGE OF 50V/MM DISTANCE BETWEEN ELECTRODES APPLIED ACROSS THE DETECTOR AND WITH A 1MΩ LOAD RESISTOR IN SERIES. ALL SPECIFICATIONS APPLY AT OR NEAR MAXIMUM COOLING W/HEAT SINK AT +25°C. TYPICAL COOLER POWER AT MAX. COOLING 0.8V AT 2A.

	MIN.	TYP.	MAX.	UNITS
WAVELENGTH OF MAX. RESPONSE	2.4	2.5		μm
D*(500K, 650Hz, 1Hz)	1.0x10 ⁹	1.5x10 ⁹		cm Hz ^{1/2} W ⁻¹
D*(pk, 650Hz, 1Hz)	1.0x10 ¹¹	1.5x10 ¹¹		cm Hz ^{1/2} W ⁻¹
ELEMENT RESISTANCE (DARK)	1.5	3	10	MΩ/sq.
TIME CONSTANT (NOT MEASURED)		800	1600	μs
RATED ELEMENT TEMP.			65	°C
DT @/OR NEAR MAX. COOLING	45	50		°C
ELEMENT SIZE		3x3		mm
RESPONSIVITY (pk, 650) vw-1	4.2x10 ⁵	6.3x10 ⁵		
AMBIENT TEMP.		25		°C
DETECTOR OPER. TEMP.		-25		°C

PIN FUNCTION TABLE

PIN NO.	FUNCTION	COLOR
1	THERMISTOR	YELLOW
2	THERMISTOR	YELLOW
6	DETECTOR	WHITE
7	DETECTOR	WHITE
8	COOLER (-)	BLACK
9	COOLER (+)	RED

*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}



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COOLED PbS 3x3

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

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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]		Ⓟ