



SPECIFICATIONS

STANDARD SPECIFICATIONS: ELECTRICAL  
 DETECTORS TESTED USING 50V/mm ACROSS THE DETECTOR AND A 0.5MΩ LOAD RESISTOR IN SERIES.

	MIN.	TYP.	MAX.	UNITS
WAVELENGTH OF MAX. RESPONSE	2.2	2.4		μm
D*(500K, 650Hz, 1Hz)	7.5x10 <sup>8</sup>	9.4x10 <sup>8</sup>		cm Hz <sup>2</sup> W <sup>-1</sup>
D*(pk, 650Hz, 1Hz)	8.0x10 <sup>10</sup>	1.0x10 <sup>11</sup>		cm Hz <sup>2</sup> W <sup>-1</sup>
ELEMENT RESISTANCE (DARK)	0.5	1	2	MΩ/sq.
TIME CONSTANT (NOT MEASURED)		200	400	μs
RATED ELEMENT TEMP.			65	°C
ELEMENT SIZE		1x1		mm
RESPONSMITY (pk, 650) vw-1	5.3x10 <sup>5</sup>	8.0x10 <sup>5</sup>		
AMBIENT TEMP./DETECTOR OPER. TEMP.		23		°C

PIN FUNCTION TABLE

PIN NO.	FUNCTION	COLOR
1	DETECTOR	BARE
2	CASE GND	BARE
3	DETECTOR	BARE

\*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= <sup>+DECIMAL PRECISION</sup> <sub>-0.00</sub> MAX.= <sup>+0.00</sup> <sub>-DECIMAL PRECISION</sub>



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AMBIENT PbS 1x1

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

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DATE:	02.10.11	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	BC
UNIT:	mm [INCH]		Ⓟ