



SPECIFICATIONS

STANDARD SPECIFICATIONS: ELECTRICAL  
 DETECTORS TESTED USING 35V/mm ACROSS THE DETECTOR AND A 1MΩ LOAD RESISTOR IN SERIES

	MIN.	TYP.	MAX.	UNITS
WAVELENGTH OF MAX. RESPONSE	3.6	3.8		μm
D*(500K, 1000Hz, 1Hz)	1.0x10 <sup>8</sup>	1.5x10 <sup>9</sup>		cm Hz <sup>1/2</sup> W <sup>-1</sup>
D*(1pk, 1000Hz, 1Hz)	1.0x10 <sup>9</sup>	1.5x10 <sup>10</sup>		cm Hz <sup>1/2</sup> W <sup>-1</sup>
ELEMENT RESISTANCE (DARK)	0.1	0.8	2.5	MΩ/sq.
TIME CONSTANT (NOT MEASURED)		2	5	μs
RATED ELEMENT TEMP.			85	°C
ELEMENT SIZE		2x2		mm
RESPONSIVITY (1pk, 650) vw-1	7.5x10 <sup>3</sup>	1.5x10 <sup>4</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> -0.00 <sub>-DECIMAL PRECISION</sub>



290 E. HELEN ROAD  
 PALATINE, IL 60067-6976  
 PHONE: +1.847.359.2790  
 FAX: +1.847.359.6538  
 WEB: WWW.LUMEX.COM

AMBIENT PbSe 2x2

\*\*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]		(Pb)