



PIN FUNCTION TABLE

PIN NO.	FUNCTION	FILTER
1	COMMON	--
3	ELEM 2	3.85μm
4	ELEM 3	4.26μm
8	ELEM 4	4.60μm
9	ELEM 1	3.34μm

FILTER SPECIFICATIONS

	CWL (μm)	HBW (μm)	TRANSMISSION AT CWL (%)	BW AT 75% TRANSMISSION (μm)
CO2	4.62±.04	±.07 ±.007	>85	>.75 x HBW
CO	4.60±.05	±.07 ±.007	>85	>.75 x HBW
HC	3.34±.03	±.07 ±.007	>55	>.75 x HBW
REF	3.85±.04	±.10 ±.01	>85	>.75 x HBW

SPECIFICATIONS

STANDARD SPECIFICATIONS: ELECTRICAL
ALL DETECTOR SPECIFICATIONS ARE AT A BIAS VOLTAGE OF 35V/mm DISTANCE BETWEEN ELECTRODES APPLIED ACROSS THE DETECTOR AND WITH A 1MΩ LOAD RESISTOR IN SERIES.

	MIN.	TYP.	MAX.	UNITS
WAVELENGTH OF MAX. RESPONSE		3.8		μm
D*(500K, 1000Hz, 1Hz)	1.0x10 ⁸	1.5x10 ⁹		cm Hz ² /W ¹
D*(1/2pk, 1000Hz, 1Hz)	7.0x10 ⁹	1.5x10 ¹⁰		cm Hz ² /W ¹
RESPONSIVITY (1pk, 650Hz)	1.5x10 ⁴	3.0x10 ⁴		V/W
TIME CONSTANT (NOT MEASURED)		2	5	μs
RATED ELEMENT TEMP.			85	°C
ELEMENT SIZE		1x1		mm
DARK RESISTANCE	0.1	0.8	2.5	MΩ/sq.
OPER. TEMP.		23		°C

*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.=^{+0.00}_{-0.00} DECIMAL PRECISION MAX.=^{+0.00}_{-0.00} DECIMAL PRECISION

UNCONTROLLED DOCUMENT



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4 ELEMENT PbSe

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

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DATE:	02.09.11	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	BC
UNIT:	mm [INCH]		Ⓟ

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