



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		$\mu\text{m}$
$D^*(500\text{K}, 1000\text{Hz}, 1\text{Hz})$	$1.9 \times 10^8$	$3.9 \times 10^8$		$\text{cm Hz}^2/\text{W}^2$
$D^*(\text{pk}, 1000\text{Hz}, 1\text{Hz})$	$1.4 \times 10^{10}$	$2.8 \times 10^{10}$		$\text{cm Hz}^2/\text{W}^2$
ELEMENT RESISTANCE (DARK)	0.5	4	10	$\text{M}\Omega/\text{sq.}$
TIME CONSTANT (NOT MEASURED)		6	12	$\mu\text{s}$
RATED ELEMENT TEMP.			85	$^{\circ}\text{C}$
DT @/OR NEAR MAX. COOLING	45	50		$^{\circ}\text{C}$
ELEMENT SIZE		2x2		mm
RESPONSIVITY (pk, 650) $\text{vw}^{-1}$	$2.0 \times 10^4$	$3.0 \times 10^4$		
AMBIENT TEMP./DETECTOR OPER. TEMP.		25		$^{\circ}\text{C}$
DETECTOR OPER. TEMP.		-25		$^{\circ}\text{C}$

PIN FUNCTION TABLE

PIN NO.	FUNCTION	COLOR
1	COOLER (-)	BLACK
4	COOLER (+)	RED
9	DETECTOR	WHITE
10	THERMISTOR	YELLOW
11	THERMISTOR	YELLOW
12	DETECTOR	WHITE

\*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=  $\begin{matrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{matrix}$  MAX=  $\begin{matrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{matrix}$



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

COOLED PbSe 2x2

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

CONFIDENTIAL INFORMATION  
 THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

DATE:	02.11.11	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	BC
UNIT:	mm [INCH]		

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Infrared Detectors](#) category:*

*Click to view products by [Lumex](#) manufacturer:*

Other Similar products are found below :

[HOA6517-001](#) [HOA6540-001](#) [HOA6542-001](#) [HOA6571-001](#) [HOA6572-001](#) [HOA6489-050](#) [HOA6531-001](#) [HOA6532-001](#) [HOA6546-001](#)  
[HOA6570-001](#) [HOA6573-001](#) [HOA6536-001](#) [HOA6548-001](#) [HOA6544-001](#) [G-TPCO-035](#) [ZTP-135L](#) [ZTP-135BS](#) [ZTP-101T](#) [ZTP-115M](#)  
[ZTP-115-Std](#) [ZTP-135](#) [ZTP-135SR](#) [ZTP-148SR](#) [ZTP-148SRC1](#) [USEQFCSA448100](#) [USEQFCSA500100](#) [USEQFCSA435100](#)  
[USEQFCSA550100](#) [USEQFCSA455100](#) [USEQFCSA391100](#) [USEQFCSA338100](#) [IML-0687](#) [EPR44112](#) [EPR44212](#) [EPR44252](#) [ePR44282](#)  
[EPY12111](#) [EPY12121](#) [EPY12211](#) [EPY12221](#) [EPY12231](#) [EPY12241](#) [EPY12251](#) [EPY12261](#) [EPY21114](#) [EPY22111](#) [EPY22114](#) [PY0234](#)  
[PY0317](#) [PY0573](#)