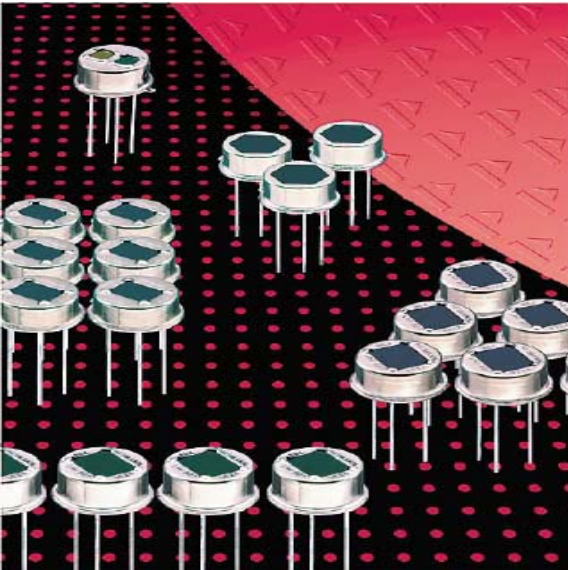


Ceiling Application Detector LHI 1128



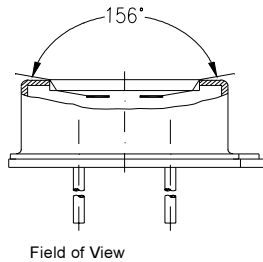
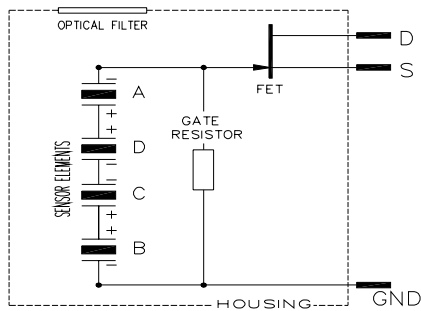
Four Element Detector

Single FET Output

Designed for Ceiling Mount Applications

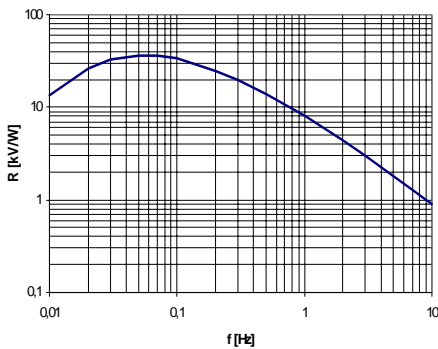
The **LHi 1128** pyroelectric infrared detector is a special design for motion control in ceiling mount applications. It includes a Quad type pyroelectric ceramic with 4 sensitive elements connected to one FET in source follower connection. Thus it offers a single channel output .

The **LHi 1128** detector is available in **TO-5** housing with infrared filter. It offers excellent common mode performance (match) and low noise.

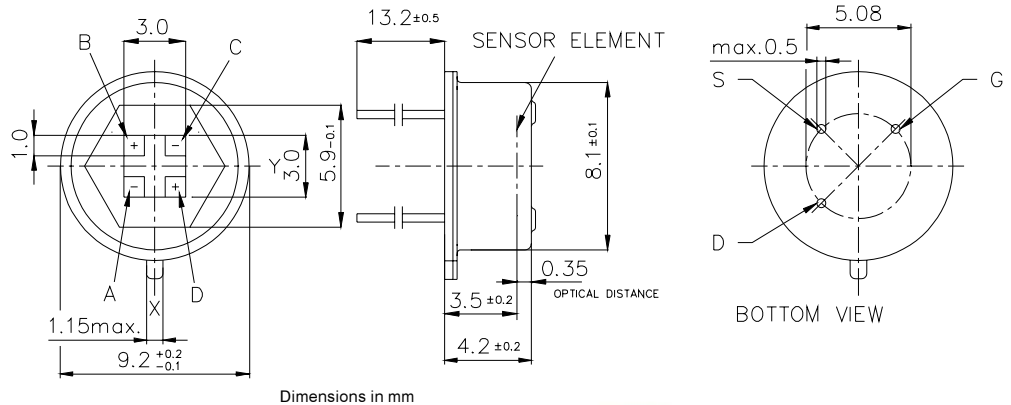


Parameters	LHi 1128			
	min	typical	max	units condition
Element size	1x1			mm ² (4 elements)
Responsivity	6 000	8 000		V/W 100°C, 1 Hz
Match		1	10	%
Noise		40	100	µVpp 25°C, 0,3...10Hz
Offset Voltage	0,2		1,55	V R _s =47kΩ, 25°C
NEP		7,5x10 ⁻¹⁰	28x10 ⁻¹⁰	W √Hz 1Hz Bw, 100°C, 1 Hz
D*	5x10 ⁷	19x10 ⁷		cm √Hz/W 1Hz Bw, 100°C, 1 Hz
Output Impedance		5	10	kΩ R _s =47kΩ, 25°C
Operating Voltage	2		15	V R _s =47kΩ, 25°C
Field of View, horizontal		156°		unobstructed
vertical		144°		unobstructed
Operating Temp.	-40		85	°C non permanent
Storage Temperature	-40		85	°C non permanent

Right for modification reserved / WS / 29.6.2001



Frequency Response



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