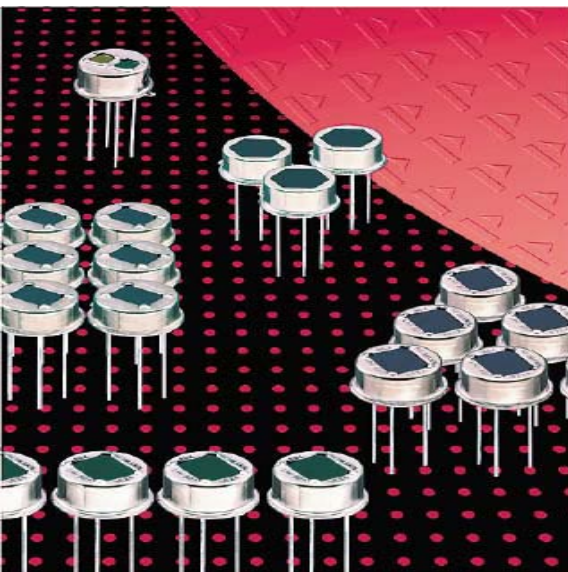


Ceiling Application Detector LHI 1128



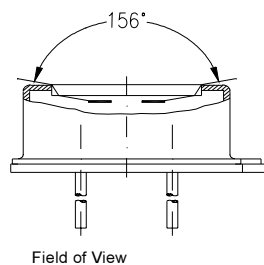
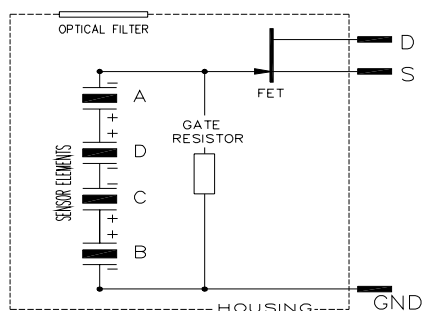
Four Element Detector

Single FET Output

Designed for Ceiling Mount Applications

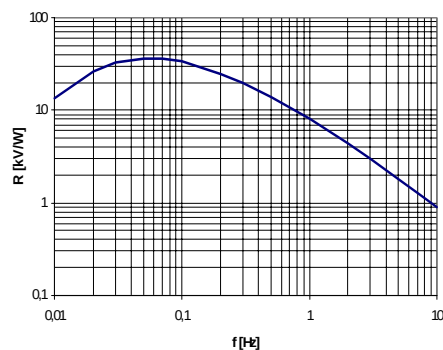
The **LHI 1128** pyroelectric infrared detector is a special design for motion control in ceiling mount applications. It includes a Quad type pyroelectric ceramic with 4 sensitive elements connected to one FET in source follower connection. Thus it offers a single channel output.

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

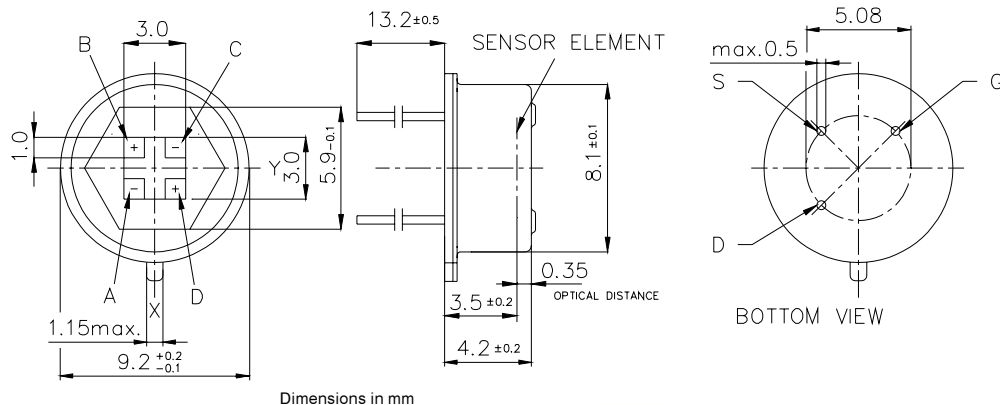


Field of View

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



Frequency Response



Dimensions in mm

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