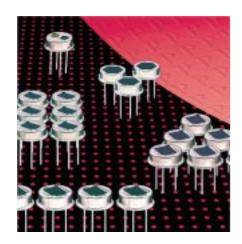
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Motion Detection Applications

Pyroelectric Detector LHi 968
Dual ELement configuration
including FET and optical window
RFi protection

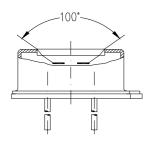


High End Dual Element Detector

Designed for PIR Alarms

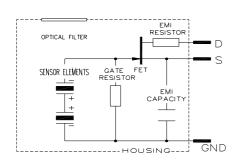
The **LHi 968** pyroelectric infrared-detector series is specially designed for Intrusion Alarm applications . It includes a dual element pyroelectric ceramic with FET in source follower connection and RF protection by a resistor and capacitor circuit.

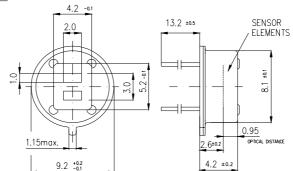
This detector is available in **TO-5** housing with an infrared filter which protects the elements from strong white light disturbance. It offers high responsivity with excellent common mode performance (match) and low noise.

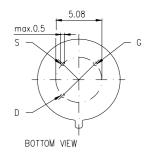


Field of View

Parameters		LHi 968			
	min	typical	max	units	condition
Element size		2x1		mm²	(2 Elements)
Responsivity	3300	4000		V//V	1Hz
Match		1	10	%	
Noise		20	50	μV_{pp}	0,310 Hz
Offset Voltage	0,2		1,5	V	47 k Ω
D*	5×10 ⁷	19×10 ⁷		cmHz/W	1Hz, 1Hz Bw
Output Impedance		5	10	$k\Omega$	RS=47k Ω
Operating Voltage	2		12	V	RS=47k Ω
Field of View, horizontal		100°			unobstructed
vertical		100°			unobstructed
Operating Temperatu	re -40		85	°C	non permanent
_Storage Temperature	-40		85	°C	non permanent







Dimensions in mm