
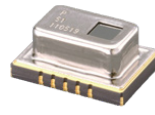



PASSIVE INFRARED SENSORS SELECTION GUIDE

Product	Passive Infra Red Sensor (Through Hole)					
	EKM-B		EKM-C		AMN	
Product Series Name						
Output Type	Digital Voltage	Digital Voltage	Digital Voltage	Digital Voltage	Analog or Digital Voltage	Analog or Digital Voltage
Sensing Distance	5m (standard)	12m (long distance)	5m (standard)	12m (long distance)	5m (standard)	10m (detection type)
Detection Range (Horizontal x Vertical)	94° x 82° (64 zones)	102° x 92° (92 zones)	94° x 82° (64 zones)	102° x 92° (92 zones)	100° x 82° (64 zones)	110° x 93° (80 zones)
Number of Detection Elements	4	4	4	4	4	4
Supply Voltage	2.3V - 4.0Vdc	2.3V - 4.0Vdc	3.0 - 6.0Vdc	3.0 - 6.0Vdc	3.0 - 6.0Vdc	3.0 - 6.0Vdc
Output Voltage	Vdd - 0.5Vdc min	Vdd - 0.5Vdc min	Vdd - 0.5Vdc min	Vdd - 0.5Vdc min	Vdd - 0.5Vdc min	Vdd - 0.5Vdc min
Current Consumption	1µA, 2µA, or 6µA	1µA, 2µA, or 6µA	170µA	170µA	170µA	170µA
Output Current	100µA	100µA	100µA	100µA	100µA	100µA
Max Operating Temp	60°C	60°C	60°C	60°C	60°C	60°C
Lens Type	White, Black and Pearl White	White, Black and Pearl White	White, Black and Pearl White	White, Black and Pearl White	White, Black and Pearl White	White, Black and Pearl White

Product	Passive Infrared Array Sensor (Surface Mount)	
	Grid EYE High Gain Type	Grid EYE Low Gain Type
Product Series Name		
Output Type	Digital I°C	Digital I°C
Sensing Distance	5m	5m
Detection Range (Horizontal x Vertical)	60° x 60°	60° x 60°
Number of Detection Elements	64	64
Supply Voltage	3.3 Vdc and 5 Vdc	3.3 Vdc and 5 Vdc
Frame Rate	10 frames per second or 1 frame per second	10 frames per second or 1 frame per second
Current Consumption	4.5 mA	4.5 mA
Accuracy	±2.5°C	±3°C
Detection Temperature	0 to 80°C	-20 to 100°C
Operating Temp	-20 to 100°C	-20 to 100°C

	Long Distance Detection	Not Requiring Micro Controller	Low Power	Motionless Object	Moving Direction	Temperature Measurement
PIR (Through Hole)	●	●	●			
Grid EYE (Surface Mount)				●	●	●

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