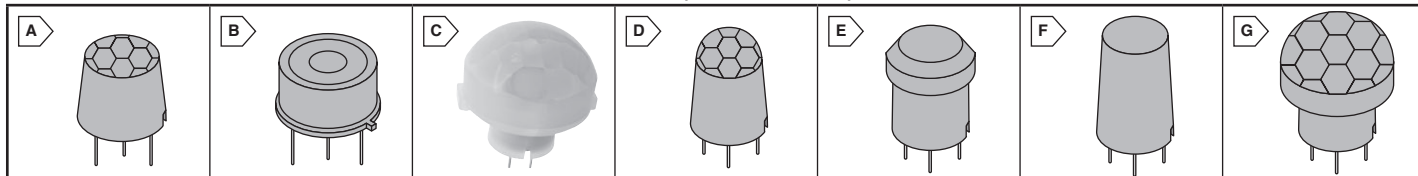


Sensors

RoHS Compliant This product is RoHS compliant.



Panasonic PAPIRS MOTION SENSOR SP SERIES (EKMA)

Panasonic PaPIRS sensing circuits are enclosed in a metallic case which helps minimize the adverse effects of external electro magnetic fields. (i.e.: radiated noise caused by cellular phones) Since the sensors have a high S/N ratio, they are less sensitive to false starts when operated under different environmental surroundings.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Output	Detection Performance	Price Each			
					1	25	50	100
Polyethylene-Lens Type								
769-EKMA1101111	EKMA1101111	A	Digital	Max. 5m	36.39	32.59	30.32	28.36
769-EKMA1101112	EKMA1101112	A	Digital	Max. 5m	36.39	32.59	30.32	28.36
769-EKMA1201111	EKMA1201111	A	Digital	Max. 5m	36.39	32.59	30.32	28.36
769-EKMA1301112	EKMA1301112	A	Digital	Max. 5m	29.42	26.35	24.52	22.93
Silicon-Lens Type								
769-EKMA1102120	EKMA1102120	B	Digital	Max. 3m	47.49	42.53	39.57	37.00
769-EKMA1202120	EKMA1202120	B	Digital	Max. 3m	47.49	42.53	39.57	37.00
769-EKMA1302120	EKMA1302120	B	Digital	Max. 3m	34.02	30.47	28.35	26.51

Panasonic PAPIRS MOTION SENSOR PASSIVE INFRARED TYPE

Panasonic PaPIRS sensing circuits are enclosed in a metallic can to minimize adverse effects of external electromagnetic fields. (i.e.: radiated noise caused by cellular phones) A high S/N ratio minimizes sensitivity to false tripping when operated under various environmental surroundings.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Output	Current Consumption	Detection Performance	Lens Color	Lens Material	Mounting	Price Each			
									1	25	50	100
EKMB												
769-EKMB1103111	EKMB1103111	C	Digital	1µA	Long Distance Detection : 12m	White	Polyethylene	TO-5	28.54	25.56	23.78	22.24
769-EKMB1103112	EKMB1103112	C	Digital	1µA	Long Distance Detection : 12m	Black	Polyethylene	TO-5	28.54	25.56	23.78	22.24
769-EKMB1103113	EKMB1103113	C	Digital	1µA	Long Distance Detection : 12m	Pearl White	Polyethylene	TO-5	28.54	25.56	23.78	22.24
769-EKMB1203111	EKMB1203111	C	Digital	2µA	Long Distance Detection : 12m	White	Polyethylene	TO-5	27.27	24.42	22.73	21.25
769-EKMB1203112	EKMB1203112	C	Digital	2µA	Long Distance Detection : 12m	Black	Polyethylene	TO-5	27.27	24.42	22.73	21.25
769-EKMB1203113	EKMB1203113	C	Digital	2µA	Long Distance Detection : 12m	Pearl White	Polyethylene	TO-5	27.27	24.42	22.73	21.25
769-EKMB1303111	EKMB1303111	C	Digital	6µA	Long Distance Detection : 12m	White	Polyethylene	TO-5	20.50	20.00	16.56	15.91
769-EKMB1303112	EKMB1303112	C	Digital	6µA	Long Distance Detection : 12m	Black	Polyethylene	TO-5	18.29	17.02	16.56	15.91
769-EKMB1303113	EKMB1303113	C	Digital	6µA	Long Distance Detection : 12m	Pearl White	Polyethylene	TO-5	18.29	17.02	16.56	15.91
EKMC												
769-EKMC1603111	EKMC1603111	C	Digital	170µA	Long Distance Detection : 12m	White	Polyethylene	TO-5	9.95	9.65	8.98	8.33
769-EKMC1603112	EKMC1603112	C	Digital	170µA	Long Distance Detection : 12m	Black	Polyethylene	TO-5	9.95	9.65	8.98	8.33
769-EKMC1603113	EKMC1603113	C	Digital	170µA	Long Distance Detection : 12m	Pearl White	Polyethylene	TO-5	9.95	8.68	7.69	7.26

Panasonic NaPiOn MOTION SENSORS

Panasonic offers a series of integrated motion sensors, enabling safety and energy conservation applications. Many packages include a built-in amplifier for simple, compact designs, and are used in lighting and HVAC control, ambient light detection and security applications.

Specifications:

- Passive Infrared (PIR) Motion Sensors with built-in lens in a miniature package for occupancy or presence detection

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Output	Detection Performance	Price Each			
					1	25	50	100
Standard Type								
769-AMN11112	AMN11112	D	Digital	Standard	24.64	22.06	20.53	19.20
769-AMN21111	AMN21111	D	Analog	Standard	24.64	22.06	20.53	19.20
769-AMN21112	AMN21112	D	Analog	Standard	24.64	22.06	20.53	19.20
769-AMN31111	AMN31111	D	Digital	Standard	15.90	14.50	13.49	12.62
769-AMN41121	AMN41121	D	Digital	Standard	24.33	22.51	20.95	19.59
Slight Motion Detection Type								
769-AMN12112	AMN12112	E	Digital	Slight Motion	25.87	23.17	21.56	20.16
769-AMN22111	AMN22111	E	Analog	Slight Motion	25.87	23.17	21.56	20.16
769-AMN22112	AMN22112	E	Analog	Slight Motion	25.87	23.17	21.56	20.16
769-AMN32111	AMN32111	E	Digital	Slight Motion	16.19	14.50	13.49	12.62
769-AMN42121	AMN42121	E	Digital	Slight Motion	25.14	22.51	20.95	19.59
769-AMN42122	AMN42122	E	Digital	Slight Motion	25.14	22.51	20.95	19.59
Spot Type								
769-AMN13112	AMN13112	F	Digital	Spot	24.64	22.06	20.53	19.20
769-AMN23111	AMN23111	F	Analog	Spot	24.33	22.51	20.95	19.59
769-AMN23112	AMN23112	F	Analog	Spot	24.64	22.06	20.53	19.20
769-AMN33111	AMN33111	F	Digital	Spot	16.19	14.50	13.49	12.62
769-AMN43121	AMN43121	F	Digital	Spot	25.14	22.51	20.95	19.59
769-AMN43122	AMN43122	F	Digital	Spot	25.14	22.51	20.95	19.59
10m Detection Type								
769-AMN14112	AMN14112	G	Digital	10m	26.02	23.30	21.69	20.28
769-AMN24111	AMN24111	G	Analog	10m	25.18	23.30	21.69	20.28
769-AMN24112	AMN24112	G	Analog	10m	26.02	23.30	21.69	20.28
769-AMN34111	AMN34111	G	Digital	10m	18.84	18.18	17.27	15.94
769-AMN34112	AMN34112	G	Analog	10m	17.27	15.47	14.39	13.46
769-AMN41122	AMN41122	G	Digital	10m	24.33	22.51	20.95	19.59
769-AMN44121	AMN44121	G	Digital	10m	26.55	24.57	22.87	21.38
769-AMN44122	AMN44122	G	Digital	10m	27.44	24.57	22.87	21.38

Panasonic LENS DRIVER WITH IRIS CONTROL

Features:

- Voltage Drive System 256-Step Microstep Drivers (2 Systems)
- Built-In Iris Controller
- Motor Control By 4-Line Serial Data Communication
- 2 Systems Of Open-Drain For Driving LED

Applications:

- Camcorder
- Security-camera
- Zoom, Focus and Iris Drivers
- Iris driver for box type security camera



MOUSER STOCK NO.	Panasonic Part No.	Package	Microstep Drivers	Supply Voltage	Supply Current (mA)	Max. Power Dissipation (mW)	Interface	Price Each			
								1	10	50	100
667-AN41908A-VB	AN41908A-VB	QFN-44	256	2.7-5.5	10	141.4	Serial	5.99	5.25	4.99	4.38

HALL EFFECT SENSORS

MOUSER STOCK NO.	Panasonic Part No.	Package	Bidirectional Detection	Supply Voltage		Supply Current (mA)	Price Each		
				Min.	Max.		1	50	100
				667-AN48836B-NL	AN48836B-NL		SMINI-5DE	Y	1.65
667-AN48841B-NL	AN48841B-NL	SMINI-5DE	N	2.5	5.25	100	1.05	.809	.735
667-AN48846B-NL	AN48846B-NL	SMINI-5DE	N	1.65	3.6	55	1.05	.809	.735

Motion/Position Sensors