



# PIEZOELECTRIC SOUNDER



## Piezoelectric Sounder Self Drive Type

Piezoelectric sounder self drive type requires only simple circuit and Dc power supply. Since this type uses resonant system, it is also available for alarms which need large sound volume.

### ■APPLICATIONS

1. Gas alarms, burglar alarms, smoke detectors.
2. Air conditioners, Microwave ovens, washing machines and other home-electronic appliance controlled by microcomputer.
3. Toys, game machines.

### ■CIRCUITS

The standard self-driven circuits utilizes transistor switching. The circuit constants shown in the table below are optimally chosen to maintain stable oscillation. So please follow it when you design a circuit.

### ■SPECIFICATIONS

#### Lead Wire Type

Part Number	EIAJ Part Number	Sound Pressure Level [dB] (12VDC, 10cm)	Oscillating Frequency [kHz]	Current Consumption [mA]	Operating Voltage Range [VDC]	Operating Temp. Range [°C]	Storage Temp. Range [°C]	Packaging Quantity [pcs]
PKM11-6A0	PS-RW3-C24-65	80 min.	6.5±0.7	8 max.	3.0 to 20.0	-20 to +70	-30 to +80	400

#### Pin Type

Part Number	EIAJ Part Number	Sound Pressure Level [dB] (12VDC, 10cm)	Oscillating Frequency [kHz]	Current Consumption [mA]	Operating Voltage Range [VDC]	Operating Temp. Range [°C]	Storage Temp. Range [°C]	Packaging Quantity [pcs]
PKM25-6A0	PS-RP3-C25-68	90 min.	6.8±0.7	10 max.	3.0 to 20.0	-20 to +70	-30 to +80	630
PKM29-3A0	PS-RP3-C39-34	105 min. (9VDC)	3.4±0.4	20 max.	4.5 to 18.0			180
PKM24SP-3805	PS-RP3-C24-38	90 min.	3.8±0.4	12 max.	3.0 to 20.0			360
PKM30SPT-2001	PS-RP3-V33-20	75 min.	2.0±0.3	20 max.				70
PKM30SPT-2501	PS-RP3-V33-25	80 min.	2.5±0.3	20 max.				



### ■NOTICE

Please pay attention to following points in order piezoelectric sounder to maintain stable oscillation.

1. Be sure to use a low impedance type power supply.
2. Do not cover the hole with tape or other obstacle.
3. There should not be any obstacle within 15mm from the top of sounder.

