

### Product Search Data Sheet

Note: This datasheet may be out of date.

Please download the latest datasheet of PKMCS0909E4000-R1 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=PKMCS0909E4000-R1

# PKMCS0909E4000-R1









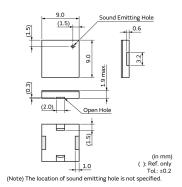
## **Applications**

| Unsuitable   | Please be sure to read and comply with     |  |
|--------------|--|--|
| Applications | these "Precautions for use."               |  |
|              | Consumer equipment,Industrial              |  |
|              | Equipment                                  |  |
|              | Please refer to Our Website and            |  |
|              | specifications, etc. for information about |  |
| Specific     | the performance, functions, quality,       |  |
| Applications | management, and safety required for        |  |
|              | the above applications, and use            |  |
|              | Products after confirming the              |  |
|              | performance and reliability of the actual  |  |
|              | Product.                                   |  |



## Appearance & Shape







## Packaging Information

| Packaging | Specifications | Standard<br>Packing<br>Quantity |
|-----------|----------------|---------------------------------|
| -R1       | Embossed Tape  | 2000                            |



### **Features**

Taking advantage of extensive acoustic and mechanical design technology and high performance ceramics, Murata has developed SMD piezoelectric sounders that suit the thin, high-density design of electronic equipment.

### Features

- 1. Small, thin and lightweight
- 2. High sound pressure level and clear sound
- 3. Reflowable
- 4. Tape & Reel supply

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### Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

2. This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering





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# **Specifications**

| Oscillation circuits           | Not built-in                  |
|--------------------------------|-------------------------------|
| Size                           | 9.0×9.0×1.9 mm                |
| Frequency                      | 4.0kHz                        |
| Sound Pressure Level           | 72dB (typ.)                   |
| Sound Pressure Level           | 65dB (min.)                   |
| Measure Condition of Sound     | [±1.5Vo-p,4.0kHz,square wave, |
| Pressure Level                 | 10cm]                         |
| Maximum input voltage          | ±12.5Vo-p max.                |
| Operating Temperature<br>Range | -40°C to 85°C                 |
| Storage Temperature Range      | -40°C to 85°C                 |
| Shape                          | SMD                           |
| Drive Type                     | External Drive                |
| Mass                           | 170mg                         |

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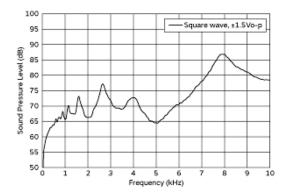
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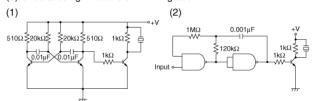
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The following are examples of externally driven circuits.

- (1) Unstable multi-vibrator using Tr.
- (2) Circuits using inverters or NAND gates.



Frequency Response

Recommended Circuit

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