

### Product Search Data Sheet

Note: This datasheet may be out of date.

Please download the latest datasheet of PKLCS1212E2000-R1 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=PKLCS1212E2000-R1

# PKLCS1212E2000-R1









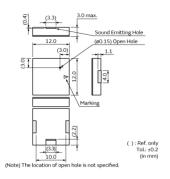
## **Applications**

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 Packing Quantity
-R1	Embossed Tape	1000



### **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

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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	12.0×12.0×3.0 mm
Frequency	2.0kHz
Sound Pressure Level	76dB (typ.)
Sound Pressure Level	70dB (min.)
Measure Condition of Sound	[±1.5Vo-p,2.0kHz,square wave,
Pressure Level	10cm]
Maximum input voltage	±12.5Vo-p max.
Operating Temperature Range	-20°C to 70°C
Storage Temperature Range	-30°C to 80°C
Shape	SMD
Drive Type	External Drive
Mass	350mg

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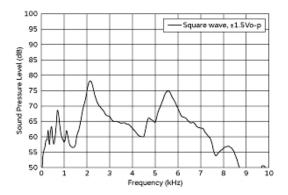
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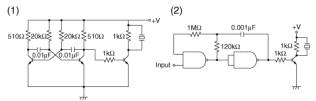
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The following are examples of externally driven circuits.
(1) Unstable multi-vibrator using Tr.

- (2) Circuits using inverters or NAND gates.



Frequency Response

Recommended Circuit

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