

SMD Piezoelectric Sounders for Consumer & Healthcare



PKMCS0909E4000-R1



PKLCS1212E4001-R1

Application

➤ Consumer

White goods, Mobile printer, Handy payment terminal, Smart Tag, DSC, Wearable devices etc.



➤ Healthcare

Blood glucose meter, Thermometer etc.



Features

➤ Stable electrical performance

Quite stable electrical performance after reflow soldering

➤ Small, thin and lightweight

PKMCS0909E4000-R1: 9 × 9 × 1.9 mm, 170mg

PKLCS1212E4001-R1: 12 × 12 × 3 mm, 360mg

➤ Low Power Consumption

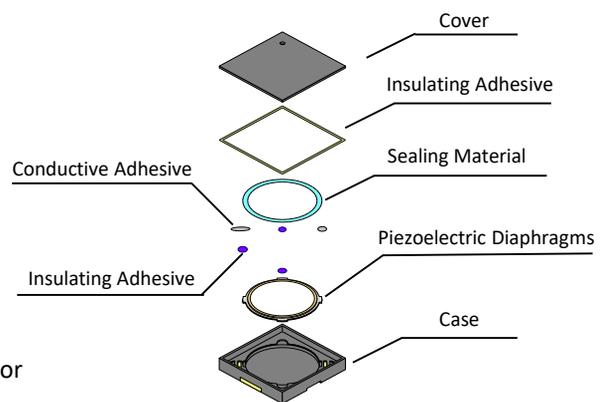
Lower power consumption by higher impedance at operating frequency can preserve longer battery life (0.3 to 0.5mA@3Vo-p)

➤ No magnetic noise

There is no electrical noise because of no magnet and/or coil in structure.

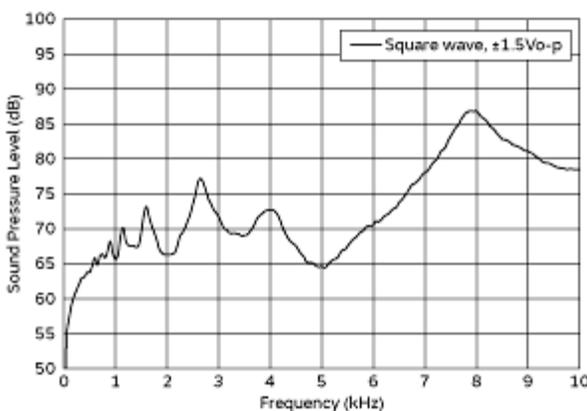
Structure

PKMCS0909E4000-R1

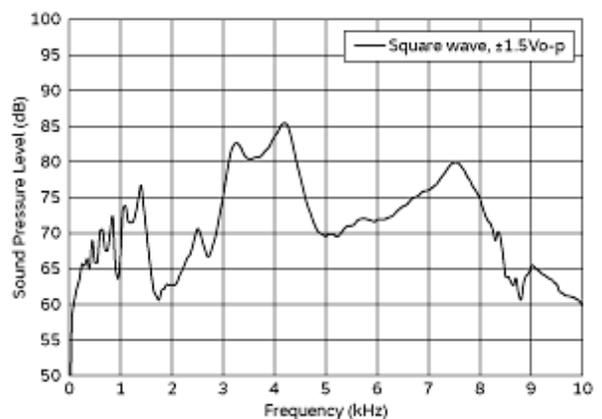


SPL-Frequency Characteristics (Typical Data)

PKMCS0909E4000-R1



PKLCS1212E4001-R1



Specifications

Part Number	PKMCS0909E4000-R1	PKLCS1212E4001-R1
Sound Pressure Level	72dB (typ.)	84dB (typ.)
Frequency	4kHz	
Measure Condition	±1.5Vo-p, square wave, 10cm	
Maximum input voltage	±12.5 Vo-p max.	
Operating Temperature Range	-40 to +85 °C	-20 to +70 °C
Storage Temperature Range	-40 to +85 °C	-30 to +80 °C
Drive Type	External Drive	

*PKLCS series(1.2×1.2×3.0 mm) has a lineup of -Frequency ratings of 20kHz and 2.4kHz.
-High reliability design for Automotive application.

*Please refer to below link or QR code for more details

Piezoelectric Sounders / Buzzers

<http://www.murata.com/en-global/products/sound/sounder>



"my Murata" Sound Components site Exclusive Contents

<https://my.murata.com/en/web/sound/members/mymurataexclusivecontentslist>



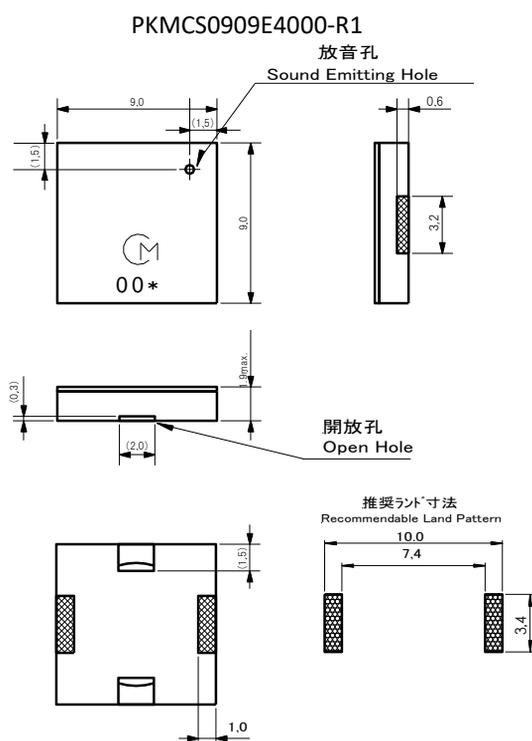
Six reasons why Murata's SMD sounders are selected

<http://www.murata.com/en-global/products/sound/sounder/smdsounder>



Dimension, Standard Land Pattern Dimensions

(in mm, Tol.: ±0.2mm)



(Note) The location of Sound Emitting hole is not specified.

