High SPL SMD Piezoelectric Sounders for Automotive & Industrial/Security

PKMCS1818E20A0-R1

Application

• Parking Assist System
• Warning Alarm
• Power slide door
• Electric key etc.

Features

➢ World’s loudest volume for a SMD piezoelectric sounder
  100dB (typ.) [2kHz, 12Vo-p square wave, 10cm]

➢ Stable electrical performance
  Quite stable electrical performance after reflow soldering

➢ Small, thin and Lightweight
  18×18×8mm, 950mg

➢ Low Power Consumption
  Lower power consumption by higher impedance at operating frequency can preserve longer battery life (0.4mA@3Vo-p ※reference value)

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

SPL-Frequency Characteristics（Typical Data）

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## Specifications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>PKMCS1818E20A0-R1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>2.0kHz</td>
</tr>
<tr>
<td>Sound Pressure Level</td>
<td>100dB (typ.)</td>
</tr>
<tr>
<td>Measurement Condition</td>
<td>12Vo-p, square wave, 10cm</td>
</tr>
<tr>
<td>Maximum input voltage</td>
<td>18.0Vo-p [with polarity]</td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td>-40 to 105 °C</td>
</tr>
<tr>
<td>Storage Temperature Range</td>
<td>-40 to 105 °C</td>
</tr>
<tr>
<td>Drive Type</td>
<td>External Drive</td>
</tr>
</tbody>
</table>

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

PKMCS1818E20A0-R1

"my Murata" Sound Components site Exclusive Contents
https://my.murata.com/en/web/sound/members/mymurataexclusivecontentslist

Play Sound Comparison

### Dimension, Standard Land Pattern Dimensions (in mm, Tol.: ±0.2mm)

![Dimension Diagram]

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