New Product Introduction

New ERJ-PA3 Series Anti-Surge Resistors

Panasonic, a world leader in Resistor Products, is pleased to announce the NEW ERJ-PA3 Series Anti-Surge Chip Resistors! With an anti-ESD voltage rating of 3kV, the ERJ-PA3 Series provides high-end performance in a 0603 package size. These resistors also boast a higher 0.25W power rating and a low TCR of 100ppm. Resistance tolerances are available in ±0.5%, ±1%, and ±5%. With TS 16949 and AEC-Q200 certifications, these Anti-Surge Chip Resistors are suitable for use in automotive applications. Other standards met include: IEC 60115-8, JIS C 5201-8, and EIAJ RC-2134B.

Features
• ESD Voltage Rating of 3.0kV
• 0603 Package Size (1.6 x 0.8 x 0.45 mm)
• TCR of 100ppm
• Tolerance Options of ±0.5%, ±1%, and ±5%
• TS 16949 and AEC-Q200 Qualified
• TS 16949 and AEC-Q200 Qualified
• REACH/RoHS Compliant

Benefits
• Higher ESD Rating Increases Circuit Reliability
• Space Saving
• Stable Resistance Control
• Stable Circuit Operation
• Usable in Automotive Applications

Applications
• Automotive ECU
• Power Supplies/Inverters
• Strobe Lighting
• LCD Televisions

Industries
• Automotive
• Industrial Electronics
• Lighting
• Consumer Electronics

For detailed specification information on the ERJ-PA3 Series, visit our website at: http://na.industrial.panasonic.com/products/resistors-inductors/resistors/fixed-resistors

Part Number Information

The first two or three digits are significant figures of resistance and the third or fourth one denotes number of zeros following.
Three Digit Type (±5%), Four Digit Type (±0.5%, ±1%)
Example: 222 → 2.2 kΩ, 1002 → 10 kΩ

<table>
<thead>
<tr>
<th>Code</th>
<th>Size</th>
<th>Power Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA3</td>
<td>0603</td>
<td>0.25W</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>±0.5%</td>
</tr>
<tr>
<td>F</td>
<td>±1%</td>
</tr>
<tr>
<td>J</td>
<td>±5%</td>
</tr>
</tbody>
</table>

Resistance Value