### Anti-Surge, High Power Thick Film Chip Resistors

**Product Family**
- **RCS** anti-surge, high power thick film chip resistors

<table>
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<th>Product Family</th>
<th>Advantage</th>
<th>Why it Matters (Benefit to the Engineer)</th>
<th>Where Should it Be Considered?</th>
<th>Best Parameter / Example</th>
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<td>RCS</td>
<td>• Higher rated dissipation than standard resistors of the same case size</td>
<td>Saving board space and assembly costs</td>
<td>All professional high power applications</td>
<td>0402: 0.2 W $P_{70}$</td>
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<td></td>
<td>• Excellent surge pulse capability</td>
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<td></td>
<td>1206: 0.5 W $P_{70}$</td>
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</tbody>
</table>

**Other Customer Benefits**
- • Reduction of component sizes and number of part numbers in use
- • Improved thermal cycling stability by case size reduction

**How Is This Achieved?**
- • RCS is capable of replacing more than one larger size resistor
- • Component design

**Example Device / Details**
- • RCS0603 is capable of replacing standard 0603 / 0805 / 1206 resistors
- • up to 1000 W single pulse power
- • up to 2500 V surge voltage capability (1.2 / 50)

**Comments**
- Available in four case sizes from 0402 to 1206