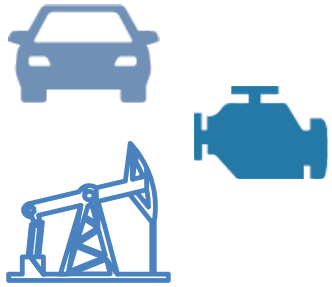




# THE VISHAY ADVANTAGE AND WHY IT MATTERS... AUTOMOTIVE UNDER THE HOOD

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



ECU, BMS, Drivers

RCS  
Thick Film

Automotive, Industrial  
Under the Hood

Other Circuits

RCS  
Thick Film

Product Family	Advantage	Why it Matters (Benefit to the Engineer)	Where Should it Be Considered?	Best Parameter / Example
RCS anti-surge, high power thick film chip resistors	<ul style="list-style-type: none"> <li>Higher rated dissipation than standard resistors of the same case size</li> <li>Excellent surge pulse capability</li> </ul>	Saving board space and assembly costs	All professional high power applications	0402: 0.2 W P <sub>70</sub> 1206: 0.5 W P <sub>70</sub>

Other Customer Benefits	How Is This Achieved?	Example Device / Details	Comments
<ul style="list-style-type: none"> <li>Reduction of component sizes and number of part numbers in use</li> <li>Improved thermal cycling stability by case size reduction</li> </ul>	<ul style="list-style-type: none"> <li>RCS is capable of replacing more than one larger size resistor</li> <li>Component design</li> </ul>	<ul style="list-style-type: none"> <li>RCS0603 is capable of replacing standard 0603 / 0805 / 1206 resistors</li> <li>up to 1000 W single pulse power</li> <li>up to 2500 V surge voltage capability (1.2 / 50)</li> </ul>	Available in four case sizes from 0402 to 1206