High Temperature Capacitance Solutions Up To 260°C

Why Choose KEMET
KEMET Electronics Corporation is a leading global supplier of electronic components. We offer our customers the broadest selection of capacitor technologies in the industry, along with an expanding range of electromechanical devices, electromagnetic compatibility solutions and supercapacitors. Our vision is to be the preferred supplier of electronic component solutions for customers demanding the highest standards of quality, delivery and service.

Features & Benefits
• The latest in high temperature capacitance technology
• Extreme temperature applications up to 260°C
• Significant performance and reliability advantages over traditional capacitors when operating temperatures are greater than 125°C

Product Checklist
• Do you require a through-hole or surface mount device?
• What is your operating temperature?
• How stable does capacitance need to be over the operating temperature range?
• What are your capacitance and voltage requirements?
• Do you have any size constraints?
• Is shock and vibration a concern?
• Do you require high energy pulse discharges up to 200°C?

Programs Supported
• Down-hole exploration
• Mining
• Automotive (under the hood)
• Aerospace
• Detonation
• Pulsed circuit applications
• Test and industrial equipment
• High frequency
• Defense

KEMET Products

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Tantalum</th>
<th>Multilayer Ceramic</th>
<th>Surface Mount Film</th>
<th>Through-Hole Film</th>
<th>Surface Mount Aluminum Polymer</th>
<th>Through-Hole &amp; Screw Terminal Aluminum Electrolytic</th>
</tr>
</thead>
<tbody>
<tr>
<td>85°C</td>
<td>T520 (K0-CAP)</td>
<td>X5R Z5U Y5V</td>
<td>GMC LDE</td>
<td>Various Series</td>
<td>A700 (AD)</td>
<td>Various Series</td>
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<tr>
<td>105°C</td>
<td>T525 (K0-CAP)</td>
<td>X/YR C0G</td>
<td>GPC</td>
<td>R56 (X2–125°C)</td>
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<td>Various Series</td>
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<tr>
<td>125°C</td>
<td>T530 (K0-CAP)</td>
<td>Ultra Stable X8R X8L</td>
<td>LDB MDC</td>
<td>R46 (X2–125°C)</td>
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<td>Various Series</td>
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<tr>
<td>150°C</td>
<td>T498 (MnO₂)</td>
<td>J5V V5U</td>
<td>SMC</td>
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<tr>
<td>175°C</td>
<td>T499 (MnO₂)</td>
<td>T500 (MnO₂)</td>
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<tr>
<td>200°C</td>
<td>T501 (MnO₂)</td>
<td>T502 (MnO₂)</td>
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<tr>
<td>230°C</td>
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<tr>
<td>260°C</td>
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