HIGH OPERATING TEMPERATURE
RADIAL-LEADED AUTOMOTIVE MLCCs

Not an ordinary CAPACITOR, it's built for the MOST EXTREME automotive operating conditions

KEY APPLICATIONS
✓ Engine control
✓ Engine sensor protection
✓ Exhaust system

AEC-Q200 Qualified with PPAP Available

OPERATING TEMPERATURE IN AUTOMOTIVE

200 °C*

INDUSTRY FIRST
K...H Series

Dielectric

<table>
<thead>
<tr>
<th>Voltage $V_{dc}$</th>
<th>COG</th>
<th>X0U</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>50</td>
<td>100</td>
</tr>
<tr>
<td>Min. Cap.</td>
<td>100 pF</td>
<td>100 pF</td>
</tr>
<tr>
<td>Max. Cap.</td>
<td>12 nF</td>
<td>12 nF</td>
</tr>
</tbody>
</table>

SMD

- PCB bending and vibration may cause mechanical stress and capacitor cracks
- BOARD DEFLECTION CRACKS
  - Leaded Product
  - Chip Component

Leaded MLCC

- More robust to thermo-mechanical stress and vibration
- Impact on the MLCC is reduced as the lead wires absorb the bending stress
- The capacitor can be welded or soldered directly to a lead frame and overmolded with plastic

* 200 °C for max. 500 hours and 175 °C unlimited time

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