KEMET Surface Mount Aluminum
Revision E, 03 January 13

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Characteristics and Typical Construction
● Organic polymer counterelectrode material
● Product supports manufacture of RoHS-compliant EEE
● Extremely low ESR, 7 mΩ - 28 mΩ
● 2 - 10 Volts
● ± 20% Capacitance tolerance
● Tape & Reel Packaging

RoHS Restricted Substance Content
Key for Determining Adherence to China RoHS and EU 2011/65/EU Content Criteria

<table>
<thead>
<tr>
<th>Material and MCV</th>
<th>Cd</th>
<th>Cr+6</th>
<th>Pb</th>
<th>Hg</th>
<th>PBB</th>
<th>PBDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>KEMET Product Series</td>
<td>&lt; 0.1%</td>
<td>&lt; 0.1%</td>
<td>&lt; 0.1%</td>
<td>&lt; 0.1%</td>
<td>&lt; 0.1%</td>
<td>&lt; 0.1%</td>
</tr>
<tr>
<td>Aluminum Surface Mount A700</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Available since Dec-02, Standard since Dec-02
China RoHS Symbol

1 MCV = Maximum Concentration Values per 2011/65/EU and China RoHS criteria.
2 China RoHS Symbol based on current manufacturing. Refer to notes in Pb column for transition dates.

Soldering Capability Characteristics

<table>
<thead>
<tr>
<th>Termination Material</th>
<th>Matte Tin Termination</th>
<th>SnPb Termination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Termination Plating (Barrier)</td>
<td>CDA Copper Alloy 194</td>
<td>SnPb Termination not currently offered for this product.</td>
</tr>
<tr>
<td>Peak Temperature Capability</td>
<td>100% Matte Tin (Nickel)</td>
<td></td>
</tr>
<tr>
<td>Soldering Process Compatibility</td>
<td>PWC ≥ 605, 260°C, PWC &lt; 605, 250°C</td>
<td></td>
</tr>
<tr>
<td>Tin Whisker Test Results based on JESD22-A121 and JESD201</td>
<td>Backward &amp; Forward Compatible Class 2</td>
<td></td>
</tr>
</tbody>
</table>

3 Per EIA/ECA component bulletin CB19, tin whiskering is not considered a reliability risk within the capacitor industry for non-Military / Hi-Rel applications.

Identification

Real level KEMET EZ ID label indicates product content relative to substance restrictions of the EU RoHS Directive, 2011/65/EU and China RoHS. RoHS-PRC = Meets criteria without exemption RoHS-EU = Meets criteria with exemption RoHS-NO = Does not meet criteria

Ordering

ALUMINUM SERIES
CASE SIZE V, D, X
CAPACITANCE CODE
CAPACITANCE TOLERANCE M = ±20%

RATED VOLTAGE

ESR Termination Code for END METALLIZATION
T = 100% Matte Tin (Sn)

FAILURE RATE LEVEL A = Not Applicable

KEMET CHARGED