TAJ ESCC TANTALUM CAPACITORS
SMD Solid Tantalum Chip Capacitors

Capacitors, Fixed, Leadless Surface Mount, Chip, Solid electrolyte Tantalum for use in ESCC space programs, according to ESCC Generic Specification 3012 and associated Detail Specification 3012/001 as recommended by the Space Components Coordination Group (ranges in table below).

**CASE DIMENSIONS:** millimeters (inches)

<table>
<thead>
<tr>
<th>Code</th>
<th>EIA Code</th>
<th>Variant</th>
<th>L±0.20 (0.008)</th>
<th>W±0.20 (0.008)</th>
<th>H±0.20 (0.008)</th>
<th>W±0.20 (0.008)</th>
<th>A±0.30 (0.012)</th>
<th>S Min.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>3216-18</td>
<td>01</td>
<td>3.20 (0.126)</td>
<td>1.60 (0.063)</td>
<td>1.60 (0.063)</td>
<td>1.20 (0.047)</td>
<td>0.80 (0.031)</td>
<td>1.10 (0.043)</td>
</tr>
<tr>
<td>B</td>
<td>3528-21</td>
<td>02</td>
<td>3.50 (0.138)</td>
<td>2.80 (0.110)</td>
<td>1.90 (0.075)</td>
<td>2.20 (0.087)</td>
<td>0.80 (0.031)</td>
<td>1.40 (0.055)</td>
</tr>
<tr>
<td>C</td>
<td>6032-28</td>
<td>13</td>
<td>6.00 (0.236)</td>
<td>3.20 (0.126)</td>
<td>2.60 (0.102)</td>
<td>2.20 (0.087)</td>
<td>1.30 (0.051)</td>
<td>2.90 (0.114)</td>
</tr>
<tr>
<td>D</td>
<td>7343-31</td>
<td>14</td>
<td>7.30 (0.287)</td>
<td>4.30 (0.169)</td>
<td>2.90 (0.114)</td>
<td>2.40 (0.094)</td>
<td>1.30 (0.051)</td>
<td>4.40 (0.173)</td>
</tr>
<tr>
<td>E</td>
<td>7343-43</td>
<td>17</td>
<td>7.30 (0.287)</td>
<td>4.30 (0.169)</td>
<td>4.10 (0.162)</td>
<td>2.40 (0.094)</td>
<td>1.30 (0.051)</td>
<td>4.40 (0.173)</td>
</tr>
</tbody>
</table>

W₁ dimension applies to the termination width for A dimensional area only.

**MARKING**

A, B, C, D, E CASE

AVX LOGO Capacitance Value in pF

227 A XXXX

**HOW TO ORDER**

**AVX PART NUMBER:**

TAJ A 475 K 010 ESA *

Please contact manufacturer for details on LAT, and other requirements.

**ESCC PART NUMBER – MANDATORY FOR ORDERING:**

3012 001 C 226 V K

Please contact manufacturer for details on LAT, and other requirements.
## CAPACITANCE AND RATED VOLTAGE, $V_R$ (VOLTAGE CODE) RANGE
(LETTER DENOTES CASE SIZE)

<table>
<thead>
<tr>
<th>Capacitance (µF)</th>
<th>Code</th>
<th>4V (G)</th>
<th>6.3V (J)</th>
<th>10V (A)</th>
<th>16V (C)</th>
<th>20V (D)</th>
<th>25V (E)</th>
<th>35V (V)</th>
<th>50V (T)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.10</td>
<td>104</td>
<td>A</td>
<td>A</td>
<td></td>
<td>A</td>
<td>A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.15</td>
<td>154</td>
<td>A</td>
<td>A</td>
<td></td>
<td>A</td>
<td>A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.22</td>
<td>224</td>
<td>A</td>
<td>A</td>
<td></td>
<td>A</td>
<td>A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.33</td>
<td>334</td>
<td></td>
<td>A</td>
<td></td>
<td></td>
<td></td>
<td>A</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>0.47</td>
<td>474</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td></td>
<td>A</td>
<td>A</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>0.68</td>
<td>684</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.0</td>
<td>105</td>
<td>A</td>
<td>A</td>
<td></td>
<td>A</td>
<td>A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.5</td>
<td>155</td>
<td>A</td>
<td>A</td>
<td></td>
<td>A</td>
<td>A</td>
<td>B</td>
<td>B/C</td>
<td>D</td>
</tr>
<tr>
<td>2.2</td>
<td>225</td>
<td>A</td>
<td>A</td>
<td>A/B</td>
<td>B</td>
<td>B/C</td>
<td>C</td>
<td>D</td>
<td></td>
</tr>
<tr>
<td>3.3</td>
<td>335</td>
<td>A</td>
<td>A</td>
<td>A/B</td>
<td>B</td>
<td>B/C</td>
<td>C</td>
<td>D</td>
<td></td>
</tr>
<tr>
<td>4.7</td>
<td>475</td>
<td>A</td>
<td>A</td>
<td>A/B</td>
<td>B</td>
<td>B/C</td>
<td>C</td>
<td>D</td>
<td></td>
</tr>
<tr>
<td>6.8</td>
<td>685</td>
<td>A</td>
<td>A/B</td>
<td>B</td>
<td>B/C</td>
<td>C</td>
<td>C/D</td>
<td>D</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>106</td>
<td>A/B</td>
<td>B</td>
<td>B/C</td>
<td>C</td>
<td>C/D</td>
<td>D</td>
<td>D</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>156</td>
<td>B</td>
<td>B/C</td>
<td>C</td>
<td>C</td>
<td>C/D</td>
<td>D</td>
<td>D</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>226</td>
<td>B/C</td>
<td>C</td>
<td>C</td>
<td>C/D</td>
<td>D</td>
<td>D</td>
<td>E</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>336</td>
<td>C</td>
<td>C</td>
<td>C/D</td>
<td>D</td>
<td>D</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>47</td>
<td>476</td>
<td>C/D</td>
<td>C/D</td>
<td>C/D</td>
<td>D</td>
<td>D</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>68</td>
<td>686</td>
<td>C/D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>107</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>E</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>157</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>E</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>220</td>
<td>227</td>
<td>E</td>
<td>E</td>
<td>E</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### LAT TESTING

AVX can perform the following Lot Acceptance Test according to ESCC

- LAT 3 Qty. 10 pcs. - 4 pieces of which are "destructive samples", the remaining 6 pieces may be for part of the Order Qty. OR be additional to the order Qty.
- LAT 2 Qty. 26 pcs. - including the 10 pieces of LAT3. The additional 16 pieces are "destructive samples".
- LAT 1 Qty. 34 pcs. - including the 26 pieces of LAT2. The additional 8 pieces are all "destructive samples".

### OPTION

Packaging: Tape and reel available on request – Contact marketing.