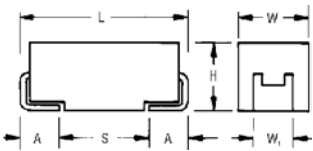




Visit AVX's Website at [www.avxcorp.com](http://www.avxcorp.com)

TAJ Series Standard Solid Tantalum Chip Capacitors

- Capacitance Tolerance: ±10%
- Capacitance Range: 0.1 µF to 330 µF
- Available in Standard and Extended Ranges
- Operating Temperature: -55°C to +85°C
- Temperature Range: -55°C to +125°C
- Note: Also Available on Tape and Reel Upon Request. Please Contact Your Local Allied Sales Representative for More Information.



Case Dimensions — mm (In.)

| Case Code | EIA Code | W<br>+0.2 (0.008)<br>-0.1 (0.004) | L<br>±0.2 (0.008) | H<br>+0.2 (0.008)<br>-0.1 (0.004) | W1*<br>±0.2 (0.008) | A<br>+0.3 (0.012)<br>-0.2 (0.008) | S Min.      |
|-----------|----------|-----------------------------------|-------------------|-----------------------------------|---------------------|-----------------------------------|-------------|
| A         | 3216     | 1.6 (0.063)                       | 3.20 (0.126)      | 1.6 (0.063)                       | 1.2 (0.047)         | 0.8 (0.031)                       | 1.1 (0.043) |
| B         | 3528     | 2.8 (0.110)                       | 3.50 (0.138)      | 1.9 (0.075)                       | 2.2 (0.087)         | 0.8 (0.031)                       | 1.4 (0.055) |
| C         | 6032     | 3.2 (0.126)                       | 6.00 (0.236)      | 2.6 (0.102)                       | 2.2 (0.087)         | 1.3 (0.051)                       | 2.9 (0.114) |
| D         | 7343     | 4.3 (0.169)                       | 7.30 (0.287)      | 2.9 (0.114)                       | 2.4 (0.094)         | 1.3 (0.051)                       | 4.4 (0.173) |
| E         | 7343H    | 4.3 (0.169)                       | 7.30 (0.287)      | 4.1 (0.162)                       | 2.4 (0.094)         | 1.3 (0.051)                       | 4.4 (0.173) |

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

6.3 Volts

| Stock No. | Mfr.'s Type  | Cap. µF | Case Size |
|-----------|--------------|---------|-----------|
| 213-1035  | TAJA225K006R | 2.2     | A         |
| 213-1037  | TAJA475K006R | 4.7     | A         |
| 213-1038  | TAJA685K006R | 6.8     | A         |
| 213-1040  | TAJA106K006R | 10.0    | A         |
| 213-1041  | TAJB106K006R | 10.0    | B         |
| 213-1208  | TAJB156K006R | 15.0    | A         |
| 213-1042  | TAJB156K006R | 15.0    | B         |
| 213-1044  | TAJC226K006R | 22.0    | C         |
| 213-1045  | TAJB336K006R | 33.0    | B         |
| 213-1047  | TAJC476K006R | 47.0    | C         |
| 213-1048  | TAJD476K006R | 47.0    | D         |
| 213-1049  | TAJC686K006R | 68.0    | C         |
| 213-1051  | TAJD107K006R | 100.0   | D         |
| 213-1052  | TAJE157K006R | 150.0   | D         |
| 213-1053  | TAJE227K006R | 220.0   | E         |
| 213-1054  | TAJE337K006R | 330.0   | E         |

16 Volts

| Stock No. | Mfr.'s Type  | Cap. µF | Case Size |
|-----------|--------------|---------|-----------|
| 213-1080  | TAJA105K016R | 1.0     | A         |
| 213-1082  | TAJA225K016R | 2.2     | A         |
| 213-1083  | TAJB225K016R | 2.2     | B         |
| 213-1084  | TAJA335K016R | 3.3     | A         |
| 213-1085  | TAJB335K016R | 3.3     | B         |
| 213-1086  | TAJA475K016R | 4.7     | A         |
| 213-1087  | TAJB475K016R | 4.7     | B         |
| 213-1088  | TAJB685K016R | 6.8     | B         |
| 213-1090  | TAJB106K016R | 10.0    | B         |
| 213-1091  | TAJC106K016R | 10.0    | C         |
| 213-1092  | TAJB156K016R | 15.0    | B         |
| 213-1093  | TAJC156K016R | 15.0    | C         |
| 213-1094  | TAJD226K016R | 22.0    | C         |
| 213-1095  | TAJD336K016R | 33.0    | D         |
| 213-1097  | TAJD476K016R | 47.0    | D         |
| 213-1098  | TAJD686K016R | 68.0    | D         |
| 213-1099  | TAJE107K016R | 100.0   | E         |

25 Volts — Continued

| Stock No. | Mfr.'s Type  | Cap. µF | Case Size |
|-----------|--------------|---------|-----------|
| 213-1119  | TAJA474K025R | 0.5     | A         |
| 213-1121  | TAJA105K025R | 1.0     | A         |
| 213-1122  | TAJA155K025R | 1.5     | A         |
| 213-1123  | TAJB155K025R | 1.5     | B         |
| 213-1124  | TAJB225K025R | 2.2     | B         |
| 213-1126  | TAJC335K025R | 3.3     | C         |
| 213-1127  | TAJC475K025R | 4.7     | C         |
| 213-1128  | TAJC685K025R | 6.8     | C         |
| 213-1129  | TAJC106K025R | 10.0    | C         |
| 213-1130  | TAJD106K025R | 10.0    | D         |
| 213-1131  | TAJD156K025R | 15.0    | D         |
| 213-1132  | TAJD226K025R | 22.0    | D         |
| 213-1133  | TAJE336K025R | 33.0    | E         |

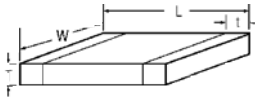
35 Volts

|          |              |      |   |
|----------|--------------|------|---|
| 213-1135 | TAJA104K035R | 0.1  | A |
| 213-1137 | TAJA224K035R | 0.2  | A |
| 213-1138 | TAJA334K035R | 0.3  | A |
| 213-1139 | TAJA474K035R | 0.5  | A |
| 213-1140 | TAJB474K035R | 0.5  | B |
| 213-1143 | TAJA105K035R | 1.0  | A |
| 213-1144 | TAJB105K035R | 1.0  | B |
| 213-1147 | TAJB225K035R | 2.2  | B |
| 213-1149 | TAJC335K035R | 3.3  | C |
| 213-1150 | TAJC475K035R | 4.7  | C |
| 213-1151 | TAJD475K035R | 4.7  | D |
| 213-1152 | TAJC685K035R | 6.8  | C |
| 213-1155 | TAJD106K035R | 10.0 | D |
| 213-1156 | TAJD156K035R | 15.0 | D |
| 213-1156 | TAJE226K035R | 22.0 | E |

50 Volts

|          |              |     |   |
|----------|--------------|-----|---|
| 213-1157 | TAJA104K050R | 0.1 | A |
| 213-1165 | TAJC105K050R | 1.0 | C |
| 213-1167 | TAJD225K050R | 2.2 | D |
| 213-1168 | TAJD335K050R | 3.3 | D |
| 213-1169 | TAJD475K050R | 4.7 | D |
| 213-1170 | TAJD685K050R | 6.8 | D |

AVX Ceramic Chip Capacitors



- Operating Temperature Range: NPO — -55°C to +125°C; X7R — -55°C to +125°C; Z5U — +10°C to +85°C

Dimensions — mm

| Case Size | Length (L) | Width (W)  | Max. Thickness (T) | Terminal (l) |
|-----------|------------|------------|--------------------|--------------|
| 0402      | 1.00 ±0.10 | 0.50 ±0.10 | 0.06               | 0.25 ±0.15   |
| 0603      | 1.60 ±0.15 | 0.81 ±0.15 | 0.90               | 0.35 ±0.15   |
| 0805      | 2.01 ±0.20 | 1.25 ±0.20 | 1.30               | 0.50 ±0.25   |
| 1206      | 3.20 ±0.20 | 1.60 ±0.20 | 1.50               | 0.50 ±0.25   |
| 1210      | 3.20 ±0.20 | 2.50 ±0.20 | 1.70               | 0.50 ±0.25   |

NPO Temperature Coefficient

| Stock No.* | Mfr.'s Type    | VDC | Cap. (pF) | Tol. (%) |
|------------|----------------|-----|-----------|----------|
| 213-3949   | 04025ASR1DAT2A | 50  | 5.1       | 0.50 pF  |
| 213-3936   | 04025A101JAT2A | 50  | 100.0     | 5        |
| 213-3500   | 06035A100JAT2A | 50  | 10.0      | 5        |
| 213-3505   | 06035A150JAT2A | 50  | 15.0      | 5        |
| 213-3510   | 06035A180JAT2A | 50  | 18.0      | 5        |
| 213-3515   | 06035A220JAT2A | 50  | 22.0      | 5        |
| 213-3520   | 06035A330JAT2A | 50  | 33.0      | 5        |
| 213-3525   | 06035A390JAT2A | 50  | 39.0      | 5        |
| 213-3530   | 06035A470JAT2A | 50  | 47.0      | 5        |
| 213-3535   | 06035A680JAT2A | 50  | 68.0      | 5        |
| 213-3540   | 06035A820JAT2A | 50  | 82.0      | 5        |

\*Sold in multiples of 100 only.

NPO Temperature Coefficient (continued)

| Stock No.* | Mfr.'s Type    | VDC | Cap. (pF) | Tol. (%) |
|------------|----------------|-----|-----------|----------|
| 213-3545   | 06035A101JAT2A | 50  | 100.0     | 5        |
| 213-3550   | 06035A121JAT2A | 50  | 120.0     | 5        |
| 213-3555   | 06035A151JAT2A | 50  | 150.0     | 5        |
| 213-3560   | 06035A181JAT2A | 50  | 180.0     | 5        |
| 213-3565   | 06035A221JAT2A | 50  | 220.0     | 5        |
| 213-0015   | 08051A220JAT2A | 100 | 22.0      | 5        |
| 213-0020   | 08051A330JAT2A | 100 | 33.0      | 5        |
| 213-0025   | 08051A470JAT2A | 100 | 47.0      | 5        |
| 213-0035   | 08051A101JAT2A | 100 | 100.0     | 5        |
| 213-3806   | 08051A151JAT2A | 100 | 150.0     | 5        |
| 213-0040   | 08051A221JAT2A | 100 | 220.0     | 5        |
| 213-0050   | 08051A471JAT2A | 100 | 470.0     | 5        |
| 213-3641   | 12061A100JAT2A | 100 | 10.0      | 5        |
| 213-0060   | 12061A220JAT2A | 100 | 22.0      | 5        |
| 213-0065   | 12061A330JAT2A | 100 | 33.0      | 5        |
| 213-0070   | 12061A390JAT2A | 100 | 39.0      | 5        |
| 213-0075   | 12061A470JAT2A | 100 | 47.0      | 5        |
| 213-0080   | 12061A680JAT2A | 100 | 68.0      | 5        |
| 213-0085   | 12061A820JAT2A | 100 | 82.0      | 5        |
| 213-0090   | 12061A101JAT2A | 100 | 100.0     | 5        |
| 213-0095   | 12061A151JAT2A | 100 | 150.0     | 5        |
| 213-0100   | 12061A221JAT2A | 100 | 220.0     | 5        |
| 213-3701   | 12061A471JAT2A | 100 | 470.0     | 5        |
| 213-3706   | 12061A681JAT2A | 100 | 680.0     | 5        |
| 213-2027   | 12061A102JAT2A | 100 | 1000.0    | 5        |

X7R Temperature Coefficient

|          |                |    |         |    |
|----------|----------------|----|---------|----|
| 213-3942 | 0402YC102KAT2A | 16 | 1000.0  | 10 |
| 213-3933 | 0402YC103KAT2A | 16 | 10000.0 | 10 |
| 213-3940 | 0402SC561KAT2A | 50 | 560.0   | 10 |
| 213-3931 | 0402SC102KAT2A | 50 | 1000.0  | 10 |
| 213-3934 | 0402SC222KAT2A | 50 | 2200.0  | 10 |
| 213-3575 | 06035C151JAT2A | 50 | 150.0   | 5  |
| 213-3581 | 06035C181JAT2A | 50 | 180.0   | 5  |
| 213-3580 | 06035C221JAT2A | 50 | 220.0   | 5  |
| 213-3585 | 06035C331JAT2A | 50 | 330.0   | 5  |

\*Sold in multiples of 100 only.

X7R Temperature Coefficient (continued)

| Stock No.* | Mfr.'s Type    | VDC | Cap. (pF) | Tol. (%) |
|------------|----------------|-----|-----------|----------|
| 213-3595   | 06035C471JAT2A | 50  | 470.0     | 5        |
| 213-3600   | 06035C681JAT2A | 50  | 680.0     | 5        |
| 213-3605   | 06035C821JAT2A | 50  | 820.0     | 5        |
| 213-3570   | 06035C103JAT2A | 50  | 10000.0   | 5        |
| 213-1416   | 06031C681JAT2A | 100 | 680.0     | 5        |
| 213-1514   | 06031C222KAT2A | 100 | 2200.0    | 10       |
| 213-0110   | 08053C104KAT2A | 25  | 10000.0   | 10       |
| 213-0125   | 08055C104JAT2A | 50  | 10000.0   | 5        |
| 213-0115   | 08055C102KAT2A | 50  | 1000.0    | 10       |
| 213-0120   | 08055C103KAT2A | 50  | 10000.0   | 10       |
| 213-0140   | 08055C333KAT2A | 50  | 33000.0   | 10       |
| 213-0145   | 08055C393KAT2A | 50  | 39000.0   | 10       |
| 213-0150   | 08055C473KAT2A | 50  | 47000.0   | 10       |
| 213-9907   | 08055C104KAT2A | 50  | 10000.0   | 10       |
| 213-0125   | 08055C103MAT2A | 50  | 10000.0   | 20       |
| 213-0155   | 08055C153MAT2A | 50  | 15000.0   | 20       |
| 213-0105   | 08051C222JAT2A | 100 | 2200.0    | 5        |
| 213-3929   | 08051C103JAT2A | 100 | 10000.0   | 5        |
| 213-0155   | 12061C102JAT2A | 100 | 1000.0    | 5        |
| 213-0165   | 12061C222JAT2A | 100 | 2200.0    | 5        |
| 213-3731   | 12061C332JAT2A | 100 | 3300.0    | 5        |
| 213-0170   | 12061C472JAT2A | 100 | 4700.0    | 5        |
| 213-0160   | 12061C103JAT2A | 100 | 10000.0   | 5        |
| 213-3621   | 12061C103KAT2A | 100 | 10000.0   | 10       |
| 213-0185   | 12105C104KAT2A | 50  | 100000.0  | 10       |

Z5U Temperature Coefficient

|          |                |    |          |            |
|----------|----------------|----|----------|------------|
| 213-0190 | 08055E104MAT2A | 50 | 100000.0 | 20         |
| 213-0195 | 12065E104MAT2A | 50 | 100000.0 | 20         |
| 213-0200 | 12065E104ZAT2A | 50 | 100000.0 | +80<br>-20 |

Y5V Temperature Coefficient

|          |                |    |          |            |
|----------|----------------|----|----------|------------|
| 213-3937 | 0402YG104ZAT2A | 50 | 100000.0 | +80<br>-20 |
|----------|----------------|----|----------|------------|

\*Sold in multiples of 100 only.