



**THE DATASHEET OF
TAJC106M016RNJ**



TAJ Series

Standard and Low Profile Tantalum Capacitors



FEATURES

- General Purpose SMT Chip Tantalum Series
- 100% Surge Current Tested
- 17 Case Sizes Available, Standard and Low Profile Down to 1mm Maximum Height
- CV Range: 0.10 - 2200 μ F / 2.5 - 50V
- J-Lead Construction

APPLICATIONS

- General Low Power DC/DC and LDO
- Entertainment / Infotainment Systems
- Height Restricted Design



MARKING

A, B, C, D, E, F, H, K, S, T, U, V, W, X, Y CASE



P, R CASE



HOW TO ORDER

| | | | | | | | |
|------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------------------------------------------------------------------------------------------------------------|
| TAJ | C | 106 | M | 035 | R | NJ | - |
| Type | Case Size See table above | Capacitance Code pF code: 1st two digits represent significant figures 3rd digit represents multiplier (number of zeros to follow) | Tolerance K = $\pm 10\%$ M = $\pm 20\%$ | Rated DC Voltage 002 = 2.5Vdc 004 = 4Vdc 006 = 6.3Vdc 010 = 10Vdc 016 = 16Vdc 020 = 20Vdc 025 = 25Vdc 035 = 35Vdc 050 = 50Vdc | Packaging R = Pure Tin 7" Reel S = Pure Tin 13" Reel A = Gold Plating 7" Reel B = Gold Plating 13" Reel H = Tin Lead 7" Reel K = Tin Lead 13" Reel H, K = Non RoHS A, B, H, K = Please Contact Manufacturer | Specification Suffix NJ = Standard Suffix | Additional characters may be added for special requirements V = Dry pack Option (selected ratings only) |

TECHNICAL SPECIFICATIONS

| | | | | | | | | | | | |
|--------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----|-----|-----|----|----|----|----|----|----|--|
| Technical Data: | All technical data relate to an ambient temperature of +25°C | | | | | | | | | | |
| Capacitance Range: | 0.10 μ F to 2200 μ F | | | | | | | | | | |
| Capacitance Tolerance: | $\pm 10\%$; $\pm 20\%$ | | | | | | | | | | |
| Rated Voltage (V_R) | $\leq +85^\circ\text{C}$: | 2.5 | 4 | 6.3 | 10 | 16 | 20 | 25 | 35 | 50 | |
| Category Voltage (V_C) | $\leq +125^\circ\text{C}$: | 1.7 | 2.7 | 4 | 7 | 10 | 13 | 17 | 23 | 33 | |
| Surge Voltage (V_S) | $\leq +85^\circ\text{C}$: | 3.3 | 5.2 | 8 | 13 | 20 | 26 | 32 | 46 | 65 | |
| Surge Voltage (V_S) | $\leq +125^\circ\text{C}$: | 2.2 | 3.4 | 5 | 8 | 13 | 16 | 20 | 28 | 40 | |
| Temperature Range: | -55°C to +125°C | | | | | | | | | | |
| Reliability: | 1% per 1000 hours at 85°C, V_R with 0.1 Ω /V series impedance, 60% confidence level | | | | | | | | | | |
| Termination Finished: | Sn Plating (standard), Gold and SnPb Plating upon request | | | | | | | | | | |
| For AEC-Q200 availability, please contact KYOCERA AVX | | | | | | | | | | | |

STANDARD CASE DIMENSIONS:

millimeters (inches)

| Code | EIA Code | EIA Metric | L ± 0.20 (0.008) | W ± 0.20 (0.008) -0.10 (0.004) | H ± 0.20 (0.008) -0.10 (0.004) | W ± 0.20 (0.008) | A ± 0.30 (0.012) -0.20 (0.008) | S Min. |
|------|----------|------------|----------------------|------------------------------------|------------------------------------|----------------------|------------------------------------|--------------|
| A | 1206 | 3216-18 | 3.20 (0.126) | 1.60 (0.063) | 1.60 (0.063) | 1.20 (0.047) | 0.80 (0.031) | 1.10 (0.043) |
| B | 1210 | 3528-21 | 3.50 (0.138) | 2.80 (0.110) | 1.90 (0.075) | 2.20 (0.087) | 0.80 (0.031) | 1.40 (0.055) |
| C | 2312 | 6032-28 | 6.00 (0.236) | 3.20 (0.126) | 2.60 (0.102) | 2.20 (0.087) | 1.30 (0.051) | 2.90 (0.114) |
| D | 2917 | 7343-31 | 7.30 (0.287) | 4.30 (0.169) | 2.90 (0.114) | 2.40 (0.094) | 1.30 (0.051) | 4.40 (0.173) |
| E | 2917 | 7343-43 | 7.30 (0.287) | 4.30 (0.169) | 4.10 (0.162) | 2.40 (0.094) | 1.30 (0.051) | 4.40 (0.173) |
| U | 2924 | 7361-43 | 7.30 (0.287) | 6.10 (0.240) | 4.10 (0.162) | 3.10 (0.122) | 1.30 (0.051) | 4.40 (0.173) |
| V | 2924 | 7361-38 | 7.30 (0.287) | 6.10 (0.240) | 3.55 (0.140) | 3.10 (0.122) | 1.30 (0.051) | 4.40 (0.173) |

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

LOW PROFILE CASE DIMENSIONS:

millimeters (inches)

| Code | EIA Code | EIA Metric | L ± 0.20 (0.008) | W ± 0.20 (0.008) -0.10 (0.004) | H Max. | W1 ± 0.20 (0.008) | A ± 0.30 (0.012) -0.20 (0.008) | S Min. |
|------|----------|------------|----------------------|------------------------------------|--------------|--------------------------------------|------------------------------------|--------------|
| F | 2312 | 6032-20 | 6.00 (0.236) | 3.20 (0.126) | 2.00 (0.079) | 2.20 (0.087) | 1.30 (0.051) | 2.90 (0.114) |
| H | 1210 | 3528-15 | 3.50 (0.138) | 2.80 (0.110) | 1.50 (0.059) | 2.20 (0.087) | 0.80 (0.031) | 1.40 (0.055) |
| K | 1206 | 3216-10 | 3.20 (0.126) | 1.60 (0.063) | 1.00 (0.039) | 1.20 (0.047) | 0.80 (0.031) | 1.10 (0.043) |
| P | 0805 | 2012-15 | 2.05 (0.081) | 1.35 (0.053) | 1.50 (0.059) | 1.00 ± 0.10 (0.039 ± 0.004) | 0.50 (0.020) | 0.85 (0.033) |
| R | 0805 | 2012-12 | 2.05 (0.081) | 1.30 (0.051) | 1.20 (0.047) | 1.00 ± 0.10 (0.039 ± 0.004) | 0.50 (0.020) | 0.85 (0.033) |
| S | 1206 | 3216-12 | 3.20 (0.126) | 1.60 (0.063) | 1.20 (0.047) | 1.20 (0.047) | 0.80 (0.031) | 1.10 (0.043) |
| T | 1210 | 3528-12 | 3.50 (0.138) | 2.80 (0.110) | 1.20 (0.047) | 2.20 (0.087) | 0.80 (0.031) | 1.40 (0.055) |
| W | 2312 | 6032-15 | 6.00 (0.236) | 3.20 (0.126) | 1.50 (0.059) | 2.20 (0.087) | 1.30 (0.051) | 2.90 (0.114) |
| X | 2917 | 7343-15 | 7.30 (0.287) | 4.30 (0.169) | 1.50 (0.059) | 2.40 (0.094) | 1.30 (0.051) | 4.40 (0.173) |
| Y | 2917 | 7343-20 | 7.30 (0.287) | 4.30 (0.169) | 2.00 (0.079) | 2.40 (0.094) | 1.30 (0.051) | 4.40 (0.173) |

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

TAJ Series

Standard and Low Profile Tantalum Capacitors



STANDARD TANTALUMS CAPACITANCE AND RATED VOLTAGE RANGE (LETTER DENOTES CASE SIZE)

| Capacitance | | Rated voltage DC (V _R) to 85°C | | | | | | | | |
|-------------|------|--------------------------------------------|--------------------|------------------------------------|------------------------------------|-------------------------|-----------------------|------------------|---------|---------|
| μF | Code | 2.5V (e) | 4V (G) | 6.3V (J) | 10V (A) | 16V (C) | 20V (D) | 25V (E) | 35V (V) | 50V (T) |
| 0.10 | 104 | | | | | | | | A | A |
| 0.15 | 154 | | | | | | | | A | A/B |
| 0.22 | 224 | | | | | | | | A | A/B |
| 0.33 | 334 | | | | | | | | A | A/B |
| 0.47 | 474 | | | | | | | A | A/B | A/B/C |
| 0.68 | 684 | | | | | | | A | A/B | A/B/C |
| 1.0 | 105 | | | | | A | A | A | A/B | A/B/C |
| 1.5 | 155 | | | | A | A | A | A/B | A/B/C | B/C/D |
| 2.2 | 225 | | | A | A | A/B | A/B | A/B | A/B/C | B/C/D |
| 3.3 | 335 | | | A | A | A/B | A/B | A/B/C | B/C | C/D |
| 4.7 | 475 | | | A | A/B | A/B | A/B/C | A/B/C | B/C/D | C/D |
| 6.8 | 685 | | | A/B | A/B | A/B/C | A/B/C | B/C | C/D | C/D |
| 10 | 106 | | A | A/B | A/B/C | A/B/C | B/C | B/C/D | C/D/E | D/E/V |
| 15 | 156 | | A | A/B | A/B/C | A/B/C | B/C/D | C/D | C/D | D/E/V |
| 22 | 226 | | A | A/B/C | A/B/C | A ^(M) /B/C/D | B/C/D | C/D | D/E | V |
| 33 | 336 | A | A/B | A/B/C | A/B/C/D | B/C/D | C/D | C/D/E | D/E/V | |
| 47 | 476 | A | A/B | A/B/C/D | B/C/D | C/D | C/D/E | D/E | D/E/V | |
| 68 | 686 | A | A/B | B/C/D | B/C/D | C/D | C ^(M) /D/E | D/E/V | V | |
| 100 | 107 | A/B | A/B/C | B/C/D | B/C/D/E | C/D/E | C/D/E | E/V | | |
| 150 | 157 | B | B/C | B ^(M) /C/D | C/D/E | D/E/V | E/V | V ^(M) | | |
| 220 | 227 | B/D | B/C/D | C/D/E | C/D/E | D ^(M) /E/V | | | | |
| 330 | 337 | D | C/D | C/D/E | D/E/V | E ^(M) | | | | |
| 470 | 477 | C/D | C/D/E | D/E/V | D/E/V | E/U/V | | | | |
| 680 | 687 | C/D/E | D/E | D/E/V | E ^(M) /V ^(M) | | | | | |
| 1000 | 108 | D ^(M) /E | D/E/V | E ^(M) /V ^(M) | | | | | | |
| 1500 | 158 | D/E/V ^(M) | E/V ^(M) | | | | | | | |
| 2200 | 228 | V ^(M) | | | | | | | | |

LOW PROFILE TANTALUMS CAPACITANCE AND RATED VOLTAGE RANGE (LETTER DENOTES CASE SIZE)

| Capacitance | | Rated voltage DC (V _R) to 85°C | | | | | | | | |
|-------------|------|--------------------------------------------|---------------------------|---------------------------|---------------------------|---------------------|---------|---------|---------|-------------------------|
| μF | Code | 2.5V (e) | 4V (G) | 6.3V (J) | 10V (A) | 16V (C) | 20V (D) | 25V (E) | 35V (V) | 50V (T) |
| 0.10 | 104 | | | | | | R/S | | R/S | S |
| 0.15 | 154 | | | | | | R/S | R | R/S | S |
| 0.22 | 224 | | | | | | R/S | R | R/S | P/R/S |
| 0.33 | 334 | | | | | | R/S | R | R/S | P/R ^(M) /S/T |
| 0.47 | 474 | | | | | | R/S | R/S | R/S/T | S/T |
| 0.68 | 684 | | | | | R/S | R/S/T | R/S | P/S/T | |
| 1.0 | 105 | | | | R/S | R/S/T | R/S/T | P/R/S | P/S/T | W |
| 1.5 | 155 | | | R/S | R/S | R/S | P/R/S/T | P/S/T | T | W |
| 2.2 | 225 | | R/S | R/S | R/S | R/S/T | P/R/S/T | T | T | W |
| 3.3 | 335 | | R/S | R/S | K/R/S/T | R/S/T | T | T/W | W | Y |
| 4.7 | 475 | R | R/S | R/S/T | R/S/T | K/P/S/T | T | T/W | W | X/Y |
| 6.8 | 685 | R | R/S/T | R/S/T | P/R/S/T | S/T | T | W | Y | Y |
| 10 | 106 | R/S | R/S/T | P/R/S/T | K/P/R ^(M) /S/T | T/W | W | W | X/Y | |
| 15 | 156 | R | R/S/T | K/P/R/S/T | S/T/W | T ^(M) /W | W | Y | Y | |
| 22 | 226 | P/R | K/P/R/S/T | K/P ^(M) /S/T/W | T/W | W | W/Y | F/Y | Y | |
| 33 | 336 | K/P/S | K/P ^(M) /S/T/W | T/W | W | W/Y | X/Y | F/Y | | |
| 47 | 476 | P ^(M) /S | T/W | T/W | H/W/Y | W/X/Y | X/Y | Y | | |
| 68 | 686 | T | T/W | W | W/Y | F/X/Y | Y | | | |
| 100 | 107 | T/W | T ^(M) /W | W/Y | W/X/Y | F ^(M) /Y | | | | |
| 150 | 157 | TM/W | W/Y | W/X/Y | F/XM/Y | Y ^(M) | | | | |
| 220 | 227 | W/Y | W/X/Y | F/X/Y | Y | | | | | |
| 330 | 337 | W ^(M) /Y | F/X/Y | Y | | | | | | |
| 470 | 477 | F/Y | Y | Y | | | | | | |
| 680 | 687 | Y | Y ^(M) | | | | | | | |
| 1000 | 108 | Y ^(M) | | | | | | | | |

Released ratings ^(M tolerance only)

Note: Voltage ratings are minimum values. KYOCERA AVX reserves the right to supply higher voltage ratings in the same case size, to the same reliability standards.

TAJ Series

Standard and Low Profile Tantalum Capacitors



RATINGS & PART NUMBER REFERENCE

| Part Number | Case Size | Capacitance (µF) | Rated Voltage (V) | Rated Temperature (°C) | Category Voltage (V) | Category Temperature (°C) | DCL Max. (µA) | DF Max. (%) | ESR Max. @ 100kHz (Ω) | 100kHz RMS Current (mA) | | | MSL |
|------------------------|-----------|------------------|-------------------|------------------------|----------------------|---------------------------|---------------|-------------|-----------------------|-------------------------|------|-------|-----------------|
| | | | | | | | | | | 25°C | 85°C | 125°C | |
| 2.5 Volt @ 85°C | | | | | | | | | | | | | |
| TAJR475*002#NJ | R | 4.7 | 2.5 | 85 | 1.7 | 125 | 0.5 | 6 | 20 | 52 | 47 | 21 | 1 |
| TAJR685*002#NJ | R | 6.8 | 2.5 | 85 | 1.7 | 125 | 0.5 | 6 | 20 | 52 | 47 | 21 | 1 |
| TAJR106*002#NJ | R | 10 | 2.5 | 85 | 1.7 | 125 | 0.5 | 8 | 4.5 | 111 | 99 | 44 | 1 |
| TAJS106*002#NJ | S | 10 | 2.5 | 85 | 1.7 | 125 | 0.5 | 6 | 8 | 90 | 81 | 36 | 1 |
| TAJR156*002#NJ | R | 15 | 2.5 | 85 | 1.7 | 125 | 0.5 | 8 | 4.1 | 116 | 104 | 46 | 1 |
| TAJP226*002#NJ | P | 22 | 2.5 | 85 | 1.7 | 125 | 0.5 | 8 | 3.5 | 131 | 118 | 52 | 1 |
| TAJR226*002#NJ | R | 22 | 2.5 | 85 | 1.7 | 125 | 0.5 | 8 | 3.8 | 120 | 108 | 48 | 1 |
| TAJA336*002#NJ | A | 33 | 2.5 | 85 | 1.7 | 125 | 0.8 | 8 | 1.7 | 210 | 189 | 84 | 1 |
| TAJK336*002#NJ | K | 33 | 2.5 | 85 | 1.7 | 125 | 0.8 | 8 | 1.7 | 196 | 176 | 78 | 1 |
| TAJP336*002#NJ | P | 33 | 2.5 | 85 | 1.7 | 125 | 0.7 | 8 | 3.5 | 131 | 118 | 52 | 1 |
| TAJS336*002#NJ | S | 33 | 2.5 | 85 | 1.7 | 125 | 0.7 | 8 | 1.5 | 208 | 187 | 83 | 1 |
| TAJA476*002#NJ | A | 47 | 2.5 | 85 | 1.7 | 125 | 0.9 | 6 | 3 | 158 | 142 | 63 | 1 |
| TAJP476M002#NJ | P | 47 | 2.5 | 85 | 1.7 | 125 | 1.2 | 12 | 3.2 | 137 | 123 | 55 | 1 |
| TAJS476*002#NJ | S | 47 | 2.5 | 85 | 1.7 | 125 | 1.2 | 8 | 1.6 | 202 | 181 | 81 | 1 |
| TAJA686*002#NJ | A | 68 | 2.5 | 85 | 1.7 | 125 | 1.4 | 8 | 1.5 | 224 | 201 | 89 | 1 |
| TAJT686*002#NJ | T | 68 | 2.5 | 85 | 1.7 | 125 | 1.4 | 8 | 1.5 | 231 | 208 | 92 | 1 |
| TAJA107*002#NJ | A | 100 | 2.5 | 85 | 1.7 | 125 | 2.5 | 30 | 1.4 | 231 | 208 | 93 | 1 |
| TAJB107*002#NJ | B | 100 | 2.5 | 85 | 1.7 | 125 | 2.5 | 8 | 1.4 | 246 | 222 | 99 | 1 |
| TAJT107*002#NJ | T | 100 | 2.5 | 85 | 1.7 | 125 | 2.5 | 15 | 1.3 | 248 | 223 | 99 | 1 |
| TAJW107*002#NJ | W | 100 | 2.5 | 85 | 1.7 | 125 | 2.5 | 8 | 0.4 | 474 | 427 | 190 | 1 |
| TAJB157*002#NJ | B | 150 | 2.5 | 85 | 1.7 | 125 | 3 | 10 | 1.6 | 230 | 207 | 92 | 1 |
| TAJT157M002#NJ | T | 150 | 2.5 | 85 | 1.7 | 125 | 3.8 | 18 | 1.2 | 258 | 232 | 103 | 1 |
| TAJW157*002#NJ | W | 150 | 2.5 | 85 | 1.7 | 125 | 3.8 | 8 | 0.3 | 548 | 493 | 219 | 1 |
| TAJB227*002#NJ | B | 220 | 2.5 | 85 | 1.7 | 125 | 4.4 | 16 | 1.6 | 230 | 207 | 92 | 1 |
| TAJD227*002#NJ | D | 220 | 2.5 | 85 | 1.7 | 125 | 5.5 | 8 | 0.3 | 707 | 636 | 283 | 1 ¹⁾ |
| TAJW227*002#NJ | W | 220 | 2.5 | 85 | 1.7 | 125 | 5.5 | 8 | 0.3 | 548 | 493 | 219 | 1 |
| TAJY227*002#NJ | Y | 220 | 2.5 | 85 | 1.7 | 125 | 5.5 | 8 | 0.3 | 645 | 581 | 258 | 1 ¹⁾ |
| TAJD337*002#NJ | D | 330 | 2.5 | 85 | 1.7 | 125 | 8.2 | 8 | 0.3 | 707 | 636 | 283 | 1 ¹⁾ |
| TAJW337M002#NJ | W | 330 | 2.5 | 85 | 1.7 | 125 | 8.2 | 12 | 0.3 | 548 | 493 | 219 | 1 |
| TAJY337*002#NJ | Y | 330 | 2.5 | 85 | 1.7 | 125 | 8.2 | 8 | 0.3 | 645 | 581 | 258 | 1 ¹⁾ |
| TAJC477*002#NJ | C | 470 | 2.5 | 85 | 1.7 | 125 | 9.4 | 12 | 0.2 | 742 | 667 | 297 | 1 |
| TAJD477*002#NJ | D | 470 | 2.5 | 85 | 1.7 | 125 | 11.6 | 8 | 0.2 | 866 | 779 | 346 | 1 ¹⁾ |
| TAJF477*002#NJ | F | 470 | 2.5 | 85 | 1.7 | 125 | 11.8 | 12 | 0.3 | 577 | 520 | 231 | 1 |
| TAJY477*002#NJ | Y | 470 | 2.5 | 85 | 1.7 | 125 | 11 | 12 | 0.2 | 791 | 712 | 316 | 1 ¹⁾ |
| TAJC687*002#NJ | C | 680 | 2.5 | 85 | 1.7 | 125 | 17 | 18 | 0.2 | 742 | 667 | 297 | 1 |
| TAJD687*002#NJ | D | 680 | 2.5 | 85 | 1.7 | 125 | 17 | 16 | 0.2 | 866 | 779 | 346 | 1 ¹⁾ |
| TAJE687*002#NJ | E | 680 | 2.5 | 85 | 1.7 | 125 | 17 | 10 | 0.2 | 908 | 817 | 363 | 1 ¹⁾ |
| TAJY687*002#NJ | Y | 680 | 2.5 | 85 | 1.7 | 125 | 17 | 12 | 0.2 | 791 | 712 | 316 | 1 ¹⁾ |
| TAJD108M002#NJ | D | 1000 | 2.5 | 85 | 1.7 | 125 | 25 | 20 | 0.2 | 866 | 779 | 346 | 1 ¹⁾ |
| TAJE108*002#NJ | E | 1000 | 2.5 | 85 | 1.7 | 125 | 25 | 14 | 0.4 | 642 | 578 | 257 | 1 ¹⁾ |
| TAJY108M002#NJ | Y | 1000 | 2.5 | 85 | 1.7 | 125 | 25 | 30 | 0.2 | 791 | 712 | 316 | 1 ¹⁾ |
| TAJD158*002#NJ | D | 1500 | 2.5 | 85 | 1.7 | 125 | 37.5 | 60 | 0.2 | 866 | 779 | 346 | 1 ¹⁾ |
| TAJE158*002#NJ | E | 1500 | 2.5 | 85 | 1.7 | 125 | 37 | 20 | 0.2 | 908 | 817 | 363 | 1 ¹⁾ |
| TAJV158M002#NJ | V | 1500 | 2.5 | 85 | 1.7 | 125 | 30 | 20 | 0.2 | 1118 | 1006 | 447 | 1 ¹⁾ |
| TAJV228M002#NJ | V | 2200 | 2.5 | 85 | 1.7 | 125 | 55 | 50 | 0.2 | 1118 | 1006 | 447 | 1 ¹⁾ |
| 4 Volt @ 85°C | | | | | | | | | | | | | |
| TAJR225*004#NJ | R | 2.2 | 4 | 85 | 2.7 | 125 | 0.5 | 6 | 25 | 47 | 42 | 19 | 1 |
| TAJS225*004#NJ | S | 2.2 | 4 | 85 | 2.7 | 125 | 0.5 | 6 | 25 | 51 | 46 | 20 | 1 |
| TAJR335*004#NJ | R | 3.3 | 4 | 85 | 2.7 | 125 | 0.5 | 6 | 20 | 52 | 47 | 21 | 1 |
| TAJS335*004#NJ | S | 3.3 | 4 | 85 | 2.7 | 125 | 0.5 | 6 | 18 | 60 | 54 | 24 | 1 |
| TAJR475*004#NJ | R | 4.7 | 4 | 85 | 2.7 | 125 | 0.5 | 6 | 12 | 68 | 61 | 27 | 1 |
| TAJS475*004#NJ | S | 4.7 | 4 | 85 | 2.7 | 125 | 0.5 | 6 | 10 | 81 | 73 | 32 | 1 |
| TAJR685*004#NJ | R | 6.8 | 4 | 85 | 2.7 | 125 | 0.5 | 6 | 5.2 | 103 | 93 | 41 | 1 |
| TAJS685*004#NJ | S | 6.8 | 4 | 85 | 2.7 | 125 | 0.5 | 6 | 8 | 90 | 81 | 36 | 1 |
| TAJT685*004#NJ | T | 6.8 | 4 | 85 | 2.7 | 125 | 0.5 | 6 | 6 | 115 | 104 | 46 | 1 |
| TAJA106*004#NJ | A | 10 | 4 | 85 | 2.7 | 125 | 0.5 | 6 | 6 | 112 | 101 | 45 | 1 |
| TAJR106*004#NJ | R | 10 | 4 | 85 | 2.7 | 125 | 0.5 | 6 | 7 | 89 | 80 | 35 | 1 |
| TAJS106*004#NJ | S | 10 | 4 | 85 | 2.7 | 125 | 0.5 | 6 | 6 | 104 | 94 | 42 | 1 |
| TAJT106*004#NJ | T | 10 | 4 | 85 | 2.7 | 125 | 0.5 | 6 | 5 | 126 | 114 | 51 | 1 |
| TAJA156*004#NJ | A | 15 | 4 | 85 | 2.7 | 125 | 0.6 | 6 | 4 | 137 | 123 | 55 | 1 |
| TAJR156*004#NJ | R | 15 | 4 | 85 | 2.7 | 125 | 0.6 | 8 | 4 | 117 | 106 | 47 | 1 |
| TAJS156*004#NJ | S | 15 | 4 | 85 | 2.7 | 125 | 0.6 | 8 | 4 | 127 | 115 | 51 | 1 |
| TAJT156*004#NJ | T | 15 | 4 | 85 | 2.7 | 125 | 0.6 | 6 | 2 | 200 | 180 | 80 | 1 |
| TAJA226*004#NJ | A | 22 | 4 | 85 | 2.7 | 125 | 0.9 | 6 | 3.5 | 146 | 132 | 59 | 1 |
| TAJK226*004#NJ | K | 22 | 4 | 85 | 2.7 | 125 | 0.9 | 8 | 1.8 | 190 | 171 | 76 | 1 |
| TAJP226*004#NJ | P | 22 | 4 | 85 | 2.7 | 125 | 0.9 | 8 | 4 | 122 | 110 | 49 | 1 |
| TAJR226*004#NJ | R | 22 | 4 | 85 | 2.7 | 125 | 0.9 | 8 | 3.8 | 120 | 108 | 48 | 1 |
| TAJS226*004#NJ | S | 22 | 4 | 85 | 2.7 | 125 | 0.9 | 8 | 3.5 | 136 | 123 | 55 | 1 |

TAJ Series

Standard and Low Profile Tantalum Capacitors



RATINGS & PART NUMBER REFERENCE

| Part Number | Case Size | Capacitance (µF) | Rated Voltage (V) | Rated Temperature (°C) | Category Voltage (V) | Category Temperature (°C) | DCL Max. (µA) | DF Max. (%) | ESR Max. @ 100kHz (Ω) | 100kHz RMS Current (mA) | | | MSL |
|------------------------|-----------|------------------|-------------------|------------------------|----------------------|---------------------------|---------------|-------------|-----------------------|-------------------------|------|-------|-----------------|
| | | | | | | | | | | 25°C | 85°C | 125°C | |
| TAJT226*004#NJ | T | 22 | 4 | 85 | 2.7 | 125 | 0.9 | 6 | 1.9 | 205 | 185 | 82 | 1 |
| TAJA336*004#NJ | A | 33 | 4 | 85 | 2.7 | 125 | 1.3 | 6 | 3 | 158 | 142 | 63 | 1 |
| TAJB336*004#NJ | B | 33 | 4 | 85 | 2.7 | 125 | 1.3 | 6 | 2.8 | 174 | 157 | 70 | 1 |
| TAJK336*004#NJ | K | 33 | 4 | 85 | 2.7 | 125 | 1.3 | 10 | 1.7 | 196 | 176 | 78 | 1 |
| TAJP336M004#NJ | P | 33 | 4 | 85 | 2.7 | 125 | 1.3 | 8 | 2.8 | 146 | 132 | 59 | 1 |
| TAJS336*004#NJ | S | 33 | 4 | 85 | 2.7 | 125 | 1.3 | 8 | 1.7 | 196 | 176 | 78 | 1 |
| TAJT336*004#NJ | T | 33 | 4 | 85 | 2.7 | 125 | 1.3 | 6 | 1.7 | 217 | 195 | 87 | 1 |
| TAJW336*004#NJ | W | 33 | 4 | 85 | 2.7 | 125 | 1.3 | 6 | 0.6 | 387 | 349 | 155 | 1 |
| TAJA476*004#NJ | A | 47 | 4 | 85 | 2.7 | 125 | 1.9 | 8 | 2.6 | 170 | 153 | 68 | 1 |
| TAJB476*004#NJ | B | 47 | 4 | 85 | 2.7 | 125 | 1.9 | 6 | 2.4 | 188 | 169 | 75 | 1 |
| TAJT476*004#NJ | T | 47 | 4 | 85 | 2.7 | 125 | 1.9 | 10 | 1.6 | 224 | 201 | 89 | 1 |
| TAJW476*004#NJ | W | 47 | 4 | 85 | 2.7 | 125 | 1.9 | 6 | 0.5 | 424 | 382 | 170 | 1 |
| TAJA686*004#NJ | A | 68 | 4 | 85 | 2.7 | 125 | 2.7 | 10 | 1.5 | 224 | 201 | 89 | 1 |
| TAJB686*004#NJ | B | 68 | 4 | 85 | 2.7 | 125 | 2.7 | 6 | 1.8 | 217 | 196 | 87 | 1 |
| TAJT686*004#NJ | T | 68 | 4 | 85 | 2.7 | 125 | 2.7 | 15 | 1.5 | 231 | 208 | 92 | 1 |
| TAJW686*004#NJ | W | 68 | 4 | 85 | 2.7 | 125 | 2.7 | 6 | 0.4 | 474 | 427 | 190 | 1 |
| TAJA107*004#NJ | A | 100 | 4 | 85 | 2.7 | 125 | 4 | 30 | 1.4 | 231 | 208 | 93 | 1 |
| TAJB107*004#NJ | B | 100 | 4 | 85 | 2.7 | 125 | 4 | 8 | 0.9 | 307 | 277 | 123 | 1 |
| TAJC107*004#NJ | C | 100 | 4 | 85 | 2.7 | 125 | 4 | 6 | 1.3 | 291 | 262 | 116 | 1 |
| TAJT107M004#NJ | T | 100 | 4 | 85 | 2.7 | 125 | 4 | 14 | 1.4 | 239 | 215 | 96 | 1 |
| TAJW107*004#NJ | W | 100 | 4 | 85 | 2.7 | 125 | 4 | 6 | 0.4 | 474 | 427 | 190 | 1 |
| TAJB157*004#NJ | B | 150 | 4 | 85 | 2.7 | 125 | 6 | 10 | 1.5 | 238 | 214 | 95 | 1 |
| TAJC157*004#NJ | C | 150 | 4 | 85 | 2.7 | 125 | 6 | 6 | 0.3 | 606 | 545 | 242 | 1 |
| TAJW157*004#NJ | W | 150 | 4 | 85 | 2.7 | 125 | 6 | 6 | 0.5 | 424 | 382 | 170 | 1 |
| TAJY157*004#NJ | Y | 150 | 4 | 85 | 2.7 | 125 | 6 | 6 | 0.4 | 559 | 503 | 224 | 1 ¹⁾ |
| TAJB227*004#NJ | B | 220 | 4 | 85 | 2.7 | 125 | 8.8 | 12 | 1.1 | 278 | 250 | 111 | 1 |
| TAJC227*004#NJ | C | 220 | 4 | 85 | 2.7 | 125 | 8.8 | 8 | 1.2 | 303 | 272 | 121 | 1 |
| TAJD227*004#NJ | D | 220 | 4 | 85 | 2.7 | 125 | 8.8 | 8 | 0.9 | 408 | 367 | 163 | 1 ¹⁾ |
| TAJW227*004#NJ | W | 220 | 4 | 85 | 2.7 | 125 | 8.8 | 8 | 0.3 | 548 | 493 | 219 | 1 |
| TAJX227*004#NJ | X | 220 | 4 | 85 | 2.7 | 125 | 8.8 | 8 | 0.3 | 577 | 520 | 231 | 1 ¹⁾ |
| TAJY227*004#NJ | Y | 220 | 4 | 85 | 2.7 | 125 | 8.8 | 8 | 0.3 | 645 | 581 | 258 | 1 ¹⁾ |
| TAJC337*004#NJ | C | 330 | 4 | 85 | 2.7 | 125 | 13.2 | 8 | 0.3 | 606 | 545 | 242 | 1 |
| TAJD337*004#NJ | D | 330 | 4 | 85 | 2.7 | 125 | 13.2 | 8 | 0.9 | 408 | 367 | 163 | 1 ¹⁾ |
| TAJF337*004#NJ | F | 330 | 4 | 85 | 2.7 | 125 | 13.2 | 10 | 0.3 | 577 | 520 | 231 | 1 |
| TAJX337*004#NJ | X | 330 | 4 | 85 | 2.7 | 125 | 13.2 | 8 | 0.3 | 577 | 520 | 231 | 1 ¹⁾ |
| TAJY337*004#NJ | Y | 330 | 4 | 85 | 2.7 | 125 | 13.2 | 12 | 0.4 | 559 | 503 | 224 | 1 ¹⁾ |
| TAJC477*004#NJ | C | 470 | 4 | 85 | 2.7 | 125 | 18.8 | 14 | 0.3 | 606 | 545 | 242 | 1 |
| TAJD477*004#NJ | D | 470 | 4 | 85 | 2.7 | 125 | 18.8 | 12 | 0.9 | 408 | 367 | 163 | 1 ¹⁾ |
| TAJE477*004#NJ | E | 470 | 4 | 85 | 2.7 | 125 | 18.8 | 10 | 0.5 | 574 | 517 | 230 | 1 ¹⁾ |
| TAJY477*004#NJ | Y | 470 | 4 | 85 | 2.7 | 125 | 18.8 | 14 | 0.4 | 559 | 503 | 224 | 1 ¹⁾ |
| TAJD687*004#NJ | D | 680 | 4 | 85 | 2.7 | 125 | 27.2 | 14 | 0.5 | 548 | 493 | 219 | 1 ¹⁾ |
| TAJE687*004#NJ | E | 680 | 4 | 85 | 2.7 | 125 | 27.2 | 10 | 0.9 | 428 | 385 | 171 | 1 ¹⁾ |
| TAJY687M004#NJ | Y | 680 | 4 | 85 | 2.7 | 125 | 27.2 | 25 | 0.2 | 791 | 712 | 316 | 1 ¹⁾ |
| TAJD108*004#NJ | D | 1000 | 4 | 85 | 2.7 | 125 | 40 | 60 | 0.2 | 866 | 779 | 346 | 1 ¹⁾ |
| TAJE108*004#NJ | E | 1000 | 4 | 85 | 2.7 | 125 | 40 | 14 | 0.4 | 642 | 578 | 257 | 1 ¹⁾ |
| TAJV108*004#NJ | V | 1000 | 4 | 85 | 2.7 | 125 | 40 | 16 | 0.2 | 1118 | 1006 | 447 | 1 ¹⁾ |
| TAJE158*004#NJ | E | 1500 | 4 | 85 | 2.7 | 125 | 60 | 30 | 0.2 | 908 | 817 | 363 | 1 ¹⁾ |
| TAJV158M004#NJ | V | 1500 | 4 | 85 | 2.7 | 125 | 60 | 30 | 0.2 | 1118 | 1006 | 447 | 1 ¹⁾ |
| 6.3 Volt @ 85°C | | | | | | | | | | | | | |
| TAJR155*006#NJ | R | 1.5 | 6.3 | 85 | 4 | 125 | 0.5 | 6 | 25 | 47 | 42 | 19 | 1 |
| TAJS155*006#NJ | S | 1.5 | 6.3 | 85 | 4 | 125 | 0.5 | 6 | 25 | 51 | 46 | 20 | 1 |
| TAJA225*006#NJ | A | 2.2 | 6.3 | 85 | 4 | 125 | 0.5 | 6 | 9 | 91 | 82 | 37 | 1 |
| TAJR225*006#NJ | R | 2.2 | 6.3 | 85 | 4 | 125 | 0.5 | 6 | 20 | 52 | 47 | 21 | 1 |
| TAJS225*006#NJ | S | 2.2 | 6.3 | 85 | 4 | 125 | 0.5 | 6 | 18 | 60 | 54 | 24 | 1 |
| TAJA335*006#NJ | A | 3.3 | 6.3 | 85 | 4 | 125 | 0.5 | 6 | 7 | 104 | 93 | 41 | 1 |
| TAJR335*006#NJ | R | 3.3 | 6.3 | 85 | 4 | 125 | 0.5 | 6 | 12 | 68 | 61 | 27 | 1 |
| TAJS335*006#NJ | S | 3.3 | 6.3 | 85 | 4 | 125 | 0.5 | 6 | 9 | 85 | 76 | 34 | 1 |
| TAJA475*006#NJ | A | 4.7 | 6.3 | 85 | 4 | 125 | 0.5 | 6 | 6 | 112 | 101 | 45 | 1 |
| TAJR475*006#NJ | R | 4.7 | 6.3 | 85 | 4 | 125 | 0.5 | 6 | 7 | 89 | 80 | 35 | 1 |
| TAJS475*006#NJ | S | 4.7 | 6.3 | 85 | 4 | 125 | 0.5 | 6 | 7.5 | 93 | 84 | 37 | 1 |
| TAJT475*006#NJ | T | 4.7 | 6.3 | 85 | 4 | 125 | 0.5 | 6 | 6 | 115 | 104 | 46 | 1 |
| TAJA685*006#NJ | A | 6.8 | 6.3 | 85 | 4 | 125 | 0.5 | 6 | 5 | 122 | 110 | 49 | 1 |
| TAJB685*006#NJ | B | 6.8 | 6.3 | 85 | 4 | 125 | 0.6 | 6 | 5 | 130 | 117 | 52 | 1 |
| TAJR685*006#NJ | R | 6.8 | 6.3 | 85 | 4 | 125 | 0.5 | 8 | 7 | 89 | 80 | 35 | 1 |
| TAJS685*006#NJ | S | 6.8 | 6.3 | 85 | 4 | 125 | 0.5 | 6 | 2.6 | 158 | 142 | 63 | 1 |
| TAJT685*006#NJ | T | 6.8 | 6.3 | 85 | 4 | 125 | 0.5 | 6 | 5 | 126 | 114 | 51 | 1 |
| TAJA106*006#NJ | A | 10 | 6.3 | 85 | 4 | 125 | 0.6 | 6 | 4 | 137 | 123 | 55 | 1 |
| TAJB106*006#NJ | B | 10 | 6.3 | 85 | 4 | 125 | 0.6 | 6 | 3 | 168 | 151 | 67 | 1 |
| TAJP106*006#NJ | P | 10 | 6.3 | 85 | 4 | 125 | 0.6 | 8 | 6 | 100 | 90 | 40 | 1 |
| TAJR106*006#NJ | R | 10 | 6.3 | 85 | 4 | 125 | 0.6 | 8 | 6 | 96 | 86 | 38 | 1 |

TAJ Series

Standard and Low Profile Tantalum Capacitors



RATINGS & PART NUMBER REFERENCE

| Part Number | Case Size | Capacitance (µF) | Rated Voltage (V) | Rated Temperature (°C) | Category Voltage (V) | Category Temperature (°C) | DCL Max. (µA) | DF Max. (%) | ESR Max. @ 100kHz (Ω) | 100kHz RMS Current (mA) | | | MSL |
|-----------------------|-----------|------------------|-------------------|------------------------|----------------------|---------------------------|---------------|-------------|-----------------------|-------------------------|------|-------|-----------------|
| | | | | | | | | | | 25°C | 85°C | 125°C | |
| TAJS106*006#NJ | S | 10 | 6.3 | 85 | 4 | 125 | 0.6 | 8 | 4 | 127 | 115 | 51 | 1 |
| TAJT106*006#NJ | T | 10 | 6.3 | 85 | 4 | 125 | 0.6 | 6 | 4 | 141 | 127 | 57 | 1 |
| TAJA156*006#NJ | A | 15 | 6.3 | 85 | 4 | 125 | 0.9 | 6 | 3.5 | 146 | 132 | 59 | 1 |
| TAJB156*006#NJ | B | 15 | 6.3 | 85 | 4 | 125 | 0.9 | 6 | 2 | 206 | 186 | 82 | 1 |
| TAJK156*006#NJ | K | 15 | 6.3 | 85 | 4 | 125 | 0.9 | 6 | 2 | 180 | 162 | 72 | 1 |
| TAJP156*006#NJ | P | 15 | 6.3 | 85 | 4 | 125 | 0.9 | 8 | 3.5 | 131 | 118 | 52 | 1 |
| TAJR156*006#NJ | R | 15 | 6.3 | 85 | 4 | 125 | 0.9 | 8 | 4.1 | 116 | 104 | 46 | 1 |
| TAJS156*006#NJ | S | 15 | 6.3 | 85 | 4 | 125 | 0.9 | 8 | 3.5 | 136 | 123 | 55 | 1 |
| TAJT156*006#NJ | T | 15 | 6.3 | 85 | 4 | 125 | 0.9 | 6 | 3.5 | 151 | 136 | 60 | 1 |
| TAJA226*006#NJ | A | 22 | 6.3 | 85 | 4 | 125 | 1.4 | 6 | 3 | 158 | 142 | 63 | 1 |
| TAJB226*006#NJ | B | 22 | 6.3 | 85 | 4 | 125 | 1.4 | 6 | 2.5 | 184 | 166 | 74 | 1 |
| TAJC226*006#NJ | C | 22 | 6.3 | 85 | 4 | 125 | 1.4 | 6 | 2 | 235 | 211 | 94 | 1 |
| TAJK226*006#NJ | K | 22 | 6.3 | 85 | 4 | 125 | 1.3 | 10 | 1.8 | 190 | 171 | 76 | 1 |
| TAJP226M006#NJ | P | 22 | 6.3 | 85 | 4 | 125 | 1.3 | 8 | 3.3 | 135 | 121 | 54 | 1 |
| TAJS226*006#NJ | S | 22 | 6.3 | 85 | 4 | 125 | 1.3 | 10 | 1.8 | 190 | 171 | 76 | 1 |
| TAJT226*006#NJ | T | 22 | 6.3 | 85 | 4 | 125 | 1.4 | 8 | 2.5 | 179 | 161 | 72 | 1 |
| TAJW226*006#NJ | W | 22 | 6.3 | 85 | 4 | 125 | 1.3 | 6 | 0.6 | 387 | 349 | 155 | 1 |
| TAJA336*006#NJ | A | 33 | 6.3 | 85 | 4 | 125 | 2.1 | 8 | 2.2 | 185 | 166 | 74 | 1 |
| TAJB336*006#NJ | B | 33 | 6.3 | 85 | 4 | 125 | 2.1 | 6 | 2.2 | 197 | 177 | 79 | 1 |
| TAJC336*006#NJ | C | 33 | 6.3 | 85 | 4 | 125 | 2.1 | 6 | 1.8 | 247 | 222 | 99 | 1 |
| TAJT336*006#NJ | T | 33 | 6.3 | 85 | 4 | 125 | 2.1 | 10 | 2.5 | 179 | 161 | 72 | 1 |
| TAJW336*006#NJ | W | 33 | 6.3 | 85 | 4 | 125 | 2 | 6 | 0.5 | 424 | 382 | 170 | 1 |
| TAJA476*006#NJ | A | 47 | 6.3 | 85 | 4 | 125 | 2.8 | 10 | 1.6 | 217 | 195 | 87 | 1 |
| TAJB476*006#NJ | B | 47 | 6.3 | 85 | 4 | 125 | 3 | 6 | 2 | 206 | 186 | 82 | 1 |
| TAJC476*006#NJ | C | 47 | 6.3 | 85 | 4 | 125 | 3 | 6 | 1.6 | 262 | 236 | 105 | 1 |
| TAJD476*006#NJ | D | 47 | 6.3 | 85 | 4 | 125 | 3 | 6 | 1.1 | 369 | 332 | 148 | 1 ¹⁾ |
| TAJT476*006#NJ | T | 47 | 6.3 | 85 | 4 | 125 | 2.8 | 10 | 1.6 | 224 | 201 | 89 | 1 |
| TAJW476*006#NJ | W | 47 | 6.3 | 85 | 4 | 125 | 2.8 | 6 | 0.5 | 424 | 382 | 170 | 1 |
| TAJB686*006#NJ | B | 68 | 6.3 | 85 | 4 | 125 | 4 | 8 | 0.9 | 307 | 277 | 123 | 1 |
| TAJC686*006#NJ | C | 68 | 6.3 | 85 | 4 | 125 | 4.3 | 6 | 1.5 | 271 | 244 | 108 | 1 |
| TAJD686*006#NJ | D | 68 | 6.3 | 85 | 4 | 125 | 4.3 | 6 | 0.9 | 408 | 367 | 163 | 1 ¹⁾ |
| TAJW686*006#NJ | W | 68 | 6.3 | 85 | 4 | 125 | 4.3 | 6 | 1.5 | 245 | 220 | 98 | 1 |
| TAJB107*006#NJ | B | 100 | 6.3 | 85 | 4 | 125 | 6.3 | 10 | 1.7 | 224 | 201 | 89 | 1 |
| TAJC107*006#NJ | C | 100 | 6.3 | 85 | 4 | 125 | 6.3 | 6 | 0.9 | 350 | 315 | 140 | 1 |
| TAJD107*006#NJ | D | 100 | 6.3 | 85 | 4 | 125 | 6.3 | 6 | 0.9 | 408 | 367 | 163 | 1 ¹⁾ |
| TAJW107*006#NJ | W | 100 | 6.3 | 85 | 4 | 125 | 6.3 | 6 | 0.9 | 316 | 285 | 126 | 1 |
| TAJY107*006#NJ | Y | 100 | 6.3 | 85 | 4 | 125 | 6.3 | 6 | 0.7 | 423 | 380 | 169 | 1 ¹⁾ |
| TAJB157M006#NJ | B | 150 | 6.3 | 85 | 4 | 125 | 9.5 | 10 | 1.2 | 266 | 240 | 106 | 1 |
| TAJC157*006#NJ | C | 150 | 6.3 | 85 | 4 | 125 | 9.5 | 6 | 1.3 | 291 | 262 | 116 | 1 |
| TAJD157*006#NJ | D | 150 | 6.3 | 85 | 4 | 125 | 9.5 | 6 | 0.9 | 408 | 367 | 163 | 1 ¹⁾ |
| TAJW157*006#NJ | W | 150 | 6.3 | 85 | 4 | 125 | 9 | 8 | 0.3 | 548 | 493 | 219 | 1 |
| TAJX157*006#NJ | X | 150 | 6.3 | 85 | 4 | 125 | 9 | 6 | 0.4 | 500 | 450 | 200 | 1 ¹⁾ |
| TAJY157*006#NJ | Y | 150 | 6.3 | 85 | 4 | 125 | 9.5 | 6 | 0.4 | 559 | 503 | 224 | 1 ¹⁾ |
| TAJC227*006#NJ | C | 220 | 6.3 | 85 | 4 | 125 | 13.9 | 8 | 1.2 | 303 | 272 | 121 | 1 |
| TAJD227*006#NJ | D | 220 | 6.3 | 85 | 4 | 125 | 13.9 | 8 | 0.4 | 612 | 551 | 245 | 1 ¹⁾ |
| TAJE227*006#NJ | E | 220 | 6.3 | 85 | 4 | 125 | 13.9 | 8 | 0.4 | 642 | 578 | 257 | 1 ¹⁾ |
| TAJF227*006#NJ | F | 220 | 6.3 | 85 | 4 | 125 | 13.2 | 10 | 0.3 | 577 | 520 | 231 | 1 |
| TAJX227*006#NJ | X | 220 | 6.3 | 85 | 4 | 125 | 13.2 | 8 | 0.3 | 577 | 520 | 231 | 1 ¹⁾ |
| TAJY227*006#NJ | Y | 220 | 6.3 | 85 | 4 | 125 | 13.9 | 8 | 0.7 | 423 | 380 | 169 | 1 ¹⁾ |
| TAJC337*006#NJ | C | 330 | 6.3 | 85 | 4 | 125 | 19.8 | 12 | 0.5 | 469 | 422 | 188 | 1 |
| TAJD337*006#NJ | D | 330 | 6.3 | 85 | 4 | 125 | 20.8 | 8 | 0.4 | 612 | 551 | 245 | 1 ¹⁾ |
| TAJE337*006#NJ | E | 330 | 6.3 | 85 | 4 | 125 | 20.8 | 8 | 0.4 | 642 | 578 | 257 | 1 ¹⁾ |
| TAJY337*006#NJ | Y | 330 | 6.3 | 85 | 4 | 125 | 20.8 | 12 | 0.4 | 559 | 503 | 224 | 1 ¹⁾ |
| TAJD477*006#NJ | D | 470 | 6.3 | 85 | 4 | 125 | 28 | 12 | 0.4 | 612 | 551 | 245 | 1 ¹⁾ |
| TAJE477*006#NJ | E | 470 | 6.3 | 85 | 4 | 125 | 28 | 10 | 0.4 | 642 | 578 | 257 | 1 ¹⁾ |
| TAJV477*006#NJ | V | 470 | 6.3 | 85 | 4 | 125 | 28 | 10 | 0.4 | 791 | 712 | 316 | 1 ¹⁾ |
| TAJY477*006#NJ | Y | 470 | 6.3 | 85 | 4 | 125 | 28.2 | 20 | 0.2 | 791 | 712 | 316 | 1 ¹⁾ |
| TAJD687*006#NJ | D | 680 | 6.3 | 85 | 4 | 125 | 40.8 | 20 | 0.5 | 548 | 493 | 219 | 3 |
| TAJE687*006#NJ | E | 680 | 6.3 | 85 | 4 | 125 | 42.8 | 10 | 0.5 | 574 | 517 | 230 | 1 ¹⁾ |
| TAJV687*006#NJ | V | 680 | 6.3 | 85 | 4 | 125 | 42.8 | 10 | 0.5 | 707 | 636 | 283 | 1 ¹⁾ |
| TAJE108M006#NJ | E | 1000 | 6.3 | 85 | 4 | 125 | 60 | 20 | 0.2 | 908 | 817 | 363 | 1 ¹⁾ |
| TAJV108M006#NJ | V | 1000 | 6.3 | 85 | 4 | 125 | 60 | 16 | 0.2 | 1118 | 1006 | 447 | 1 ¹⁾ |
| 10 Volt @ 85°C | | | | | | | | | | | | | |
| TAJR105*010#NJ | R | 1 | 10 | 85 | 7 | 125 | 0.5 | 4 | 25 | 47 | 42 | 19 | 1 |
| TAJS105*010#NJ | S | 1 | 10 | 85 | 7 | 125 | 0.5 | 4 | 25 | 51 | 46 | 20 | 1 |
| TAJA155*010#NJ | A | 1.5 | 10 | 85 | 7 | 125 | 0.5 | 6 | 10 | 87 | 78 | 35 | 1 |
| TAJR155*010#NJ | R | 1.5 | 10 | 85 | 7 | 125 | 0.5 | 6 | 20 | 52 | 47 | 21 | 1 |
| TAJS155*010#NJ | S | 1.5 | 10 | 85 | 7 | 125 | 0.5 | 6 | 20 | 57 | 51 | 23 | 1 |
| TAJA225*010#NJ | A | 2.2 | 10 | 85 | 7 | 125 | 0.5 | 6 | 7 | 104 | 93 | 41 | 1 |
| TAJR225*010#NJ | R | 2.2 | 10 | 85 | 7 | 125 | 0.5 | 6 | 15 | 61 | 54 | 24 | 1 |



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TAJ Series

Standard and Low Profile Tantalum Capacitors



RATINGS & PART NUMBER REFERENCE

| Part Number | Case Size | Capacitance (µF) | Rated Voltage (V) | Rated Temperature (°C) | Category Voltage (V) | Category Temperature (°C) | DCL Max. (µA) | DF Max. (%) | ESR Max. @ 100kHz (Ω) | 100kHz RMS Current (mA) | | | MSL |
|----------------|-----------|------------------|-------------------|------------------------|----------------------|---------------------------|---------------|-------------|-----------------------|-------------------------|------|-------|-----------------|
| | | | | | | | | | | 25°C | 85°C | 125°C | |
| TAJS225*010#NJ | S | 2.2 | 10 | 85 | 7 | 125 | 0.5 | 6 | 12 | 74 | 66 | 29 | 1 |
| TAJA335*010#NJ | A | 3.3 | 10 | 85 | 7 | 125 | 0.5 | 6 | 5.5 | 117 | 105 | 47 | 1 |
| TAJK335*010#NJ | K | 3.3 | 10 | 85 | 7 | 125 | 0.5 | 6 | 5.5 | 109 | 98 | 43 | 1 |
| TAJR335*010#NJ | R | 3.3 | 10 | 85 | 7 | 125 | 0.5 | 6 | 8 | 83 | 75 | 33 | 1 |
| TAJS335*010#NJ | S | 3.3 | 10 | 85 | 7 | 125 | 0.5 | 6 | 8 | 90 | 81 | 36 | 1 |
| TAJT335*010#NJ | T | 3.3 | 10 | 85 | 7 | 125 | 0.5 | 6 | 6 | 115 | 104 | 46 | 1 |
| TAJA475*010#NJ | A | 4.7 | 10 | 85 | 7 | 125 | 0.5 | 6 | 5 | 122 | 110 | 49 | 1 |
| TAJB475*010#NJ | B | 4.7 | 10 | 85 | 7 | 125 | 0.5 | 6 | 4 | 146 | 131 | 58 | 1 |
| TAJR475*010#NJ | R | 4.7 | 10 | 85 | 7 | 125 | 0.5 | 6 | 9 | 78 | 70 | 31 | 1 |
| TAJS475*010#NJ | S | 4.7 | 10 | 85 | 7 | 125 | 0.5 | 6 | 5 | 114 | 103 | 46 | 1 |
| TAJT475*010#NJ | T | 4.7 | 10 | 85 | 7 | 125 | 0.5 | 6 | 5 | 126 | 114 | 51 | 1 |
| TAJA685*010#NJ | A | 6.8 | 10 | 85 | 7 | 125 | 0.7 | 6 | 4 | 137 | 123 | 55 | 1 |
| TAJB685*010#NJ | B | 6.8 | 10 | 85 | 7 | 125 | 0.7 | 6 | 3 | 168 | 151 | 67 | 1 |
| TAJP685*010#NJ | P | 6.8 | 10 | 85 | 7 | 125 | 0.6 | 6 | 5 | 110 | 99 | 44 | 1 |
| TAJR685*010#NJ | R | 6.8 | 10 | 85 | 7 | 125 | 0.7 | 6 | 5.2 | 103 | 93 | 41 | 1 |
| TAJS685*010#NJ | S | 6.8 | 10 | 85 | 7 | 125 | 0.7 | 6 | 4 | 127 | 115 | 51 | 1 |
| TAJT685*010#NJ | T | 6.8 | 10 | 85 | 7 | 125 | 0.7 | 6 | 4 | 141 | 127 | 57 | 1 |
| TAJA106*010#NJ | A | 10 | 10 | 85 | 7 | 125 | 1 | 6 | 3 | 158 | 142 | 63 | 1 |
| TAJB106*010#NJ | B | 10 | 10 | 85 | 7 | 125 | 1 | 6 | 2.1 | 201 | 181 | 80 | 1 |
| TAJC106*010#NJ | C | 10 | 10 | 85 | 7 | 125 | 1 | 6 | 2.5 | 210 | 189 | 84 | 1 |
| TAJK106*010#NJ | K | 10 | 10 | 85 | 7 | 125 | 1 | 6 | 2.2 | 172 | 155 | 69 | 1 |
| TAJP106*010#NJ | P | 10 | 10 | 85 | 7 | 125 | 1 | 8 | 6 | 100 | 90 | 40 | 1 |
| TAJR106*010#NJ | R | 10 | 10 | 85 | 7 | 125 | 1 | 20 | 6 | 96 | 86 | 38 | 1 |
| TAJS106*010#NJ | S | 10 | 10 | 85 | 7 | 125 | 1 | 8 | 3 | 147 | 132 | 59 | 1 |
| TAJT106*010#NJ | T | 10 | 10 | 85 | 7 | 125 | 1 | 6 | 3 | 163 | 147 | 65 | 1 |
| TAJA156*010#NJ | A | 15 | 10 | 85 | 7 | 125 | 1.5 | 6 | 3.2 | 153 | 138 | 61 | 1 |
| TAJB156*010#NJ | B | 15 | 10 | 85 | 7 | 125 | 1.5 | 6 | 2.8 | 174 | 157 | 70 | 1 |
| TAJC156*010#NJ | C | 15 | 10 | 85 | 7 | 125 | 1.5 | 6 | 2 | 235 | 211 | 94 | 1 |
| TAJS156*010#NJ | S | 15 | 10 | 85 | 7 | 125 | 1.5 | 6 | 2 | 180 | 162 | 72 | 1 |
| TAJT156*010#NJ | T | 15 | 10 | 85 | 7 | 125 | 1.5 | 8 | 2.8 | 169 | 152 | 68 | 1 |
| TAJW156*010#NJ | W | 15 | 10 | 85 | 7 | 125 | 1.5 | 6 | 0.7 | 359 | 323 | 143 | 1 |
| TAJA226*010#NJ | A | 22 | 10 | 85 | 7 | 125 | 2.2 | 8 | 3 | 158 | 142 | 63 | 1 |
| TAJB226*010#NJ | B | 22 | 10 | 85 | 7 | 125 | 2.2 | 6 | 2.4 | 188 | 169 | 75 | 1 |
| TAJC226*010#NJ | C | 22 | 10 | 85 | 7 | 125 | 2.2 | 6 | 1.8 | 247 | 222 | 99 | 1 |
| TAJT226*010#NJ | T | 22 | 10 | 85 | 7 | 125 | 2.2 | 8 | 2.2 | 191 | 172 | 76 | 1 |
| TAJW226*010#NJ | W | 22 | 10 | 85 | 7 | 125 | 2.2 | 6 | 0.6 | 387 | 349 | 155 | 1 |
| TAJA336*010#NJ | A | 33 | 10 | 85 | 7 | 125 | 3.3 | 8 | 1.7 | 210 | 189 | 84 | 1 |
| TAJB336*010#NJ | B | 33 | 10 | 85 | 7 | 125 | 3.3 | 6 | 1.8 | 217 | 196 | 87 | 1 |
| TAJC336*010#NJ | C | 33 | 10 | 85 | 7 | 125 | 3.3 | 6 | 1.6 | 262 | 236 | 105 | 1 |
| TAJD336*010#NJ | D | 33 | 10 | 85 | 7 | 125 | 3.3 | 6 | 1.1 | 369 | 332 | 148 | 1 ¹⁾ |
| TAJW336*010#NJ | W | 33 | 10 | 85 | 7 | 125 | 3.3 | 6 | 1.6 | 237 | 213 | 95 | 1 |
| TAJB476*010#NJ | B | 47 | 10 | 85 | 7 | 125 | 4.7 | 8 | 1 | 292 | 262 | 117 | 1 |
| TAJC476*010#NJ | C | 47 | 10 | 85 | 7 | 125 | 4.7 | 6 | 1.2 | 303 | 272 | 121 | 1 |
| TAJD476*010#NJ | D | 47 | 10 | 85 | 7 | 125 | 4.7 | 6 | 0.4 | 612 | 551 | 245 | 1 ¹⁾ |
| TAJH476*006#NJ | H | 47 | 10 | 85 | 7 | 125 | 4.7 | 8 | 1.0 | 283 | 255 | 113 | 1 |
| TAJW476*010#NJ | W | 47 | 10 | 85 | 7 | 125 | 4.7 | 6 | 1.4 | 254 | 228 | 101 | 1 |
| TAJY476*010#NJ | Y | 47 | 10 | 85 | 7 | 125 | 4.7 | 6 | 0.5 | 500 | 450 | 200 | 1 ¹⁾ |
| TAJB686*010#NJ | B | 68 | 10 | 85 | 7 | 125 | 6.8 | 8 | 1.4 | 246 | 222 | 99 | 1 |
| TAJC686*010#NJ | C | 68 | 10 | 85 | 7 | 125 | 6.8 | 6 | 1.3 | 291 | 262 | 116 | 1 |
| TAJD686*010#NJ | D | 68 | 10 | 85 | 7 | 125 | 6.8 | 6 | 0.9 | 408 | 367 | 163 | 1 ¹⁾ |
| TAJW686*010#NJ | W | 68 | 10 | 85 | 7 | 125 | 6.8 | 6 | 1.2 | 274 | 246 | 110 | 1 |
| TAJY686*010#NJ | Y | 68 | 10 | 85 | 7 | 125 | 6.8 | 6 | 0.9 | 373 | 335 | 149 | 1 ¹⁾ |
| TAJB107*010#NJ | B | 100 | 10 | 85 | 7 | 125 | 10 | 8 | 1.4 | 246 | 222 | 99 | 1 |
| TAJC107*010#NJ | C | 100 | 10 | 85 | 7 | 125 | 10 | 8 | 1.2 | 303 | 272 | 121 | 1 |
| TAJD107*010#NJ | D | 100 | 10 | 85 | 7 | 125 | 10 | 6 | 0.9 | 408 | 367 | 163 | 1 ¹⁾ |
| TAJE107*010#NJ | E | 100 | 10 | 85 | 7 | 125 | 10 | 6 | 0.9 | 428 | 385 | 171 | 1 ¹⁾ |
| TAJW107*010#NJ | W | 100 | 10 | 85 | 7 | 125 | 10 | 6 | 0.4 | 474 | 427 | 190 | 1 |
| TAJX107*010#NJ | X | 100 | 10 | 85 | 7 | 125 | 10 | 8 | 0.9 | 333 | 300 | 133 | 1 ¹⁾ |
| TAJY107*010#NJ | Y | 100 | 10 | 85 | 7 | 125 | 10 | 6 | 0.9 | 373 | 335 | 149 | 1 ¹⁾ |
| TAJC157*010#NJ | C | 150 | 10 | 85 | 7 | 125 | 15 | 8 | 0.9 | 350 | 315 | 140 | 1 |
| TAJD157*010#NJ | D | 150 | 10 | 85 | 7 | 125 | 15 | 8 | 0.9 | 408 | 367 | 163 | 1 ¹⁾ |
| TAJE157*010#NJ | E | 150 | 10 | 85 | 7 | 125 | 15 | 8 | 0.9 | 428 | 385 | 171 | 1 ¹⁾ |
| TAJF157*010#NJ | F | 150 | 10 | 85 | 7 | 125 | 15 | 10 | 0.3 | 577 | 520 | 231 | 1 |
| TAJX157*010#NJ | X | 150 | 10 | 85 | 7 | 125 | 15 | 6 | 0.3 | 577 | 520 | 231 | 1 ¹⁾ |
| TAJY157*010#NJ | Y | 150 | 10 | 85 | 7 | 125 | 15 | 6 | 1.2 | 323 | 290 | 129 | 1 ¹⁾ |
| TAJC227*010#NJ | C | 220 | 10 | 85 | 7 | 125 | 22 | 16 | 0.5 | 469 | 422 | 188 | 1 |
| TAJD227*010#NJ | D | 220 | 10 | 85 | 7 | 125 | 22 | 8 | 0.5 | 548 | 493 | 219 | 1 ¹⁾ |
| TAJE227*010#NJ | E | 220 | 10 | 85 | 7 | 125 | 22 | 8 | 0.5 | 574 | 517 | 230 | 1 ¹⁾ |
| TAJY227*010#NJ | Y | 220 | 10 | 85 | 7 | 125 | 22 | 10 | 0.5 | 500 | 450 | 200 | 1 ¹⁾ |
| TAJD337*010#NJ | D | 330 | 10 | 85 | 7 | 125 | 33 | 8 | 0.9 | 408 | 367 | 163 | 1 ¹⁾ |

TAJ Series

Standard and Low Profile Tantalum Capacitors



RATINGS & PART NUMBER REFERENCE

| Part Number | Case Size | Capacitance (µF) | Rated Voltage (V) | Rated Temperature (°C) | Category Voltage (V) | Category Temperature (°C) | DCL Max. (µA) | DF Max. (%) | ESR Max. @ 100kHz (Ω) | 100kHz RMS Current (mA) | | | MSL |
|-----------------------|-----------|------------------|-------------------|------------------------|----------------------|---------------------------|---------------|-------------|-----------------------|-------------------------|------|-------|-----------------|
| | | | | | | | | | | 25°C | 85°C | 125°C | |
| TAJE337*010#NJ | E | 330 | 10 | 85 | 7 | 125 | 33 | 8 | 0.9 | 428 | 385 | 171 | 1 ¹⁾ |
| TAJV337*010#NJ | V | 330 | 10 | 85 | 7 | 125 | 33 | 10 | 0.9 | 527 | 474 | 211 | 1 ¹⁾ |
| TAJE477*010#NJ | E | 470 | 10 | 85 | 7 | 125 | 47 | 10 | 0.5 | 574 | 517 | 230 | 1 ¹⁾ |
| TAJU477*010RNJ | U | 470 | 10 | 85 | 7 | 125 | 47 | 12 | 0.5 | 574 | 517 | 230 | 1 ¹⁾ |
| TAJV477*010#NJ | V | 470 | 10 | 85 | 7 | 125 | 47 | 10 | 0.5 | 707 | 636 | 283 | 1 ¹⁾ |
| TAJE687M010#NJV | E | 680 | 10 | 85 | 7 | 125 | 68 | 18 | 0.4 | 642 | 578 | 257 | 3 |
| TAJV687M010#NJV | V | 680 | 10 | 85 | 7 | 125 | 68 | 18 | 0.4 | 791 | 712 | 316 | 3 |
| 16 Volt @ 85°C | | | | | | | | | | | | | |
| TAJR684*016#NJ | R | 0.68 | 16 | 85 | 10 | 125 | 0.5 | 4 | 25 | 47 | 42 | 19 | 1 |
| TAJS684*016#NJ | S | 0.68 | 16 | 85 | 10 | 125 | 0.5 | 4 | 25 | 51 | 46 | 20 | 1 |
| TAJA105*016#NJ | A | 1 | 16 | 85 | 10 | 125 | 0.5 | 4 | 11 | 83 | 74 | 33 | 1 |
| TAJR105*016#NJ | R | 1 | 16 | 85 | 10 | 125 | 0.5 | 4 | 20 | 52 | 47 | 21 | 1 |
| TAJS105*016#NJ | S | 1 | 16 | 85 | 10 | 125 | 0.5 | 4 | 15 | 66 | 59 | 26 | 1 |
| TAJT105*016#NJ | T | 1 | 16 | 85 | 10 | 125 | 0.5 | 4 | 5 | 126 | 114 | 51 | 1 |
| TAJA155*016#NJ | A | 1.5 | 16 | 85 | 10 | 125 | 0.5 | 6 | 8 | 97 | 87 | 39 | 1 |
| TAJR155*016#NJ | R | 1.5 | 16 | 85 | 10 | 125 | 0.5 | 6 | 10 | 74 | 67 | 30 | 1 |
| TAJS155*016#NJ | S | 1.5 | 16 | 85 | 10 | 125 | 0.5 | 6 | 12 | 74 | 66 | 29 | 1 |
| TAJA225*016#NJ | A | 2.2 | 16 | 85 | 10 | 125 | 0.5 | 6 | 6.5 | 107 | 97 | 43 | 1 |
| TAJB225*016#NJ | B | 2.2 | 16 | 85 | 10 | 125 | 0.5 | 6 | 2.3 | 192 | 173 | 77 | 1 |
| TAJR225*016#NJ | R | 2.2 | 16 | 85 | 10 | 125 | 0.5 | 6 | 6.5 | 92 | 83 | 37 | 1 |
| TAJS225*016#NJ | S | 2.2 | 16 | 85 | 10 | 125 | 0.5 | 6 | 6 | 104 | 94 | 42 | 1 |
| TAJT225*016#NJ | T | 2.2 | 16 | 85 | 10 | 125 | 0.5 | 6 | 6.5 | 111 | 100 | 44 | 1 |
| TAJA335*016#NJ | A | 3.3 | 16 | 85 | 10 | 125 | 0.5 | 6 | 5 | 122 | 110 | 49 | 1 |
| TAJB335*016#NJ | B | 3.3 | 16 | 85 | 10 | 125 | 0.5 | 6 | 4.5 | 137 | 124 | 55 | 1 |
| TAJR335*016#NJ | R | 3.3 | 16 | 85 | 10 | 125 | 0.5 | 8 | 5 | 105 | 94 | 42 | 1 |
| TAJS335*016#NJ | S | 3.3 | 16 | 85 | 10 | 125 | 0.5 | 6 | 5 | 114 | 103 | 46 | 1 |
| TAJT335*016#NJ | T | 3.3 | 16 | 85 | 10 | 125 | 0.5 | 6 | 5 | 126 | 114 | 51 | 1 |
| TAJA475*016#NJ | A | 4.7 | 16 | 85 | 10 | 125 | 0.8 | 6 | 4 | 137 | 123 | 55 | 1 |
| TAJB475*016#NJ | B | 4.7 | 16 | 85 | 10 | 125 | 0.8 | 6 | 3.5 | 156 | 140 | 62 | 1 |
| TAJK475*016#NJ | K | 4.7 | 16 | 85 | 10 | 125 | 0.8 | 6 | 3.1 | 145 | 130 | 58 | 1 |
| TAJP475*016#NJ | P | 4.7 | 16 | 85 | 10 | 125 | 0.8 | 8 | 5 | 110 | 99 | 44 | 1 |
| TAJS475*016#NJ | S | 4.7 | 16 | 85 | 10 | 125 | 0.8 | 8 | 4 | 127 | 115 | 51 | 1 |
| TAJT475*016#NJ | T | 4.7 | 16 | 85 | 10 | 125 | 0.8 | 6 | 3.1 | 161 | 145 | 64 | 1 |
| TAJA685*016#NJ | A | 6.8 | 16 | 85 | 10 | 125 | 1.1 | 6 | 3.5 | 146 | 132 | 59 | 1 |
| TAJB685*016#NJ | B | 6.8 | 16 | 85 | 10 | 125 | 1.1 | 6 | 2.5 | 184 | 166 | 74 | 1 |
| TAJC685*016#NJ | C | 6.8 | 16 | 85 | 10 | 125 | 1.1 | 6 | 2.5 | 210 | 189 | 84 | 1 |
| TAJS685*016#NJ | S | 6.8 | 16 | 85 | 10 | 125 | 1.1 | 8 | 2.4 | 165 | 148 | 66 | 1 |
| TAJT685*016#NJ | T | 6.8 | 16 | 85 | 10 | 125 | 1.1 | 6 | 3.5 | 151 | 136 | 60 | 1 |
| TAJA106*016#NJ | A | 10 | 16 | 85 | 10 | 125 | 1.6 | 6 | 3 | 158 | 142 | 63 | 1 |
| TAJB106*016#NJ | B | 10 | 16 | 85 | 10 | 125 | 1.6 | 6 | 2.8 | 174 | 157 | 70 | 1 |
| TAJC106*016#NJ | C | 10 | 16 | 85 | 10 | 125 | 1.6 | 6 | 2 | 235 | 211 | 94 | 1 |
| TAJT106*016#NJ | T | 10 | 16 | 85 | 10 | 125 | 1.6 | 8 | 2.2 | 191 | 172 | 76 | 1 |
| TAJW106*016#NJ | W | 10 | 16 | 85 | 10 | 125 | 1.6 | 6 | 2 | 212 | 191 | 85 | 1 |
| TAJA156*016#NJ | A | 15 | 16 | 85 | 10 | 125 | 2.4 | 6 | 2 | 194 | 174 | 77 | 1 |
| TAJB156*016#NJ | B | 15 | 16 | 85 | 10 | 125 | 2.4 | 6 | 2.5 | 184 | 166 | 74 | 1 |
| TAJC156*016#NJ | C | 15 | 16 | 85 | 10 | 125 | 2.4 | 6 | 1.8 | 247 | 222 | 99 | 1 |
| TAJT156M016#NJ | T | 15 | 16 | 85 | 10 | 125 | 2.4 | 6 | 2 | 200 | 180 | 80 | 1 |
| TAJW156*016#NJ | W | 15 | 16 | 85 | 10 | 125 | 2.4 | 6 | 0.7 | 359 | 323 | 143 | 1 |
| TAJA226M016#NJ | A | 22 | 16 | 85 | 10 | 125 | 3.5 | 10 | 2.3 | 181 | 163 | 72 | 1 |
| TAJB226*016#NJ | B | 22 | 16 | 85 | 10 | 125 | 3.5 | 6 | 2.3 | 192 | 173 | 77 | 1 |
| TAJC226*016#NJ | C | 22 | 16 | 85 | 10 | 125 | 3.5 | 6 | 1 | 332 | 298 | 133 | 1 |
| TAJD226*016#NJ | D | 22 | 16 | 85 | 10 | 125 | 3.5 | 6 | 1.1 | 369 | 332 | 148 | 1 ¹⁾ |
| TAJW226*016#NJ | W | 22 | 16 | 85 | 10 | 125 | 3.5 | 6 | 1.6 | 237 | 213 | 95 | 1 |
| TAJB336*016#NJ | B | 33 | 16 | 85 | 10 | 125 | 5.3 | 8 | 2.1 | 201 | 181 | 80 | 1 |
| TAJC336*016#NJ | C | 33 | 16 | 85 | 10 | 125 | 5.3 | 6 | 1.5 | 271 | 244 | 108 | 1 |
| TAJD336*016#NJ | D | 33 | 16 | 85 | 10 | 125 | 5.3 | 6 | 0.9 | 408 | 367 | 163 | 1 ¹⁾ |
| TAJW336*016#NJ | W | 33 | 16 | 85 | 10 | 125 | 5.3 | 6 | 1.5 | 245 | 220 | 98 | 1 |
| TAJY336*016#NJ | Y | 33 | 16 | 85 | 10 | 125 | 5.3 | 6 | 0.9 | 373 | 335 | 149 | 1 ¹⁾ |
| TAJC476*016#NJ | C | 47 | 16 | 85 | 10 | 125 | 7.5 | 6 | 0.5 | 469 | 422 | 188 | 1 |
| TAJD476*016#NJ | D | 47 | 16 | 85 | 10 | 125 | 7.5 | 6 | 0.9 | 408 | 367 | 163 | 1 ¹⁾ |
| TAJW476*016#NJ | W | 47 | 16 | 85 | 10 | 125 | 7.5 | 6 | 0.4 | 474 | 427 | 190 | 1 |
| TAJX476*016#NJ | X | 47 | 16 | 85 | 10 | 125 | 7.5 | 6 | 0.75 | 365 | 329 | 146 | 1 ¹⁾ |
| TAJY476*016#NJ | Y | 47 | 16 | 85 | 10 | 125 | 7.5 | 6 | 0.7 | 423 | 380 | 169 | 1 ¹⁾ |
| TAJC686*016#NJ | C | 68 | 16 | 85 | 10 | 125 | 10.9 | 6 | 1.3 | 291 | 262 | 116 | 1 |
| TAJD686*016#NJ | D | 68 | 16 | 85 | 10 | 125 | 10.9 | 6 | 0.9 | 408 | 367 | 163 | 1 ¹⁾ |
| TAJF686*016#NJ | F | 68 | 16 | 85 | 10 | 125 | 10.9 | 10 | 0.4 | 500 | 450 | 200 | 1 |
| TAJX686*016#NJ | X | 68 | 16 | 85 | 10 | 125 | 10.9 | 8 | 0.6 | 408 | 367 | 163 | 1 ¹⁾ |
| TAJY686*016#NJ | Y | 68 | 16 | 85 | 10 | 125 | 10.9 | 6 | 0.9 | 373 | 335 | 149 | 1 ¹⁾ |
| TAJC107*016#NJ | C | 100 | 16 | 85 | 10 | 125 | 16 | 8 | 1 | 332 | 298 | 133 | 1 |
| TAJD107*016#NJ | D | 100 | 16 | 85 | 10 | 125 | 16 | 6 | 0.6 | 500 | 450 | 200 | 1 ¹⁾ |

TAJ Series

Standard and Low Profile Tantalum Capacitors



RATINGS & PART NUMBER REFERENCE

| Part Number | Case Size | Capacitance (µF) | Rated Voltage (V) | Rated Temperature (°C) | Category Voltage (V) | Category Temperature (°C) | DCL Max. (µA) | DF Max. (%) | ESR Max. @ 100kHz (Ω) | 100kHz RMS Current (mA) | | | MSL |
|-----------------------|-----------|------------------|-------------------|------------------------|----------------------|---------------------------|---------------|-------------|-----------------------|-------------------------|------|-------|-----------------|
| | | | | | | | | | | 25°C | 85°C | 125°C | |
| TAJE107*016#NJ | E | 100 | 16 | 85 | 10 | 125 | 16 | 6 | 0.9 | 428 | 385 | 171 | 1 ¹⁾ |
| TAJF107M016#NJ | F | 100 | 16 | 85 | 10 | 125 | 16 | 10 | 0.4 | 500 | 450 | 200 | 1 |
| TAJY107*016#NJ | Y | 100 | 16 | 85 | 10 | 125 | 16 | 8 | 0.9 | 373 | 335 | 149 | 1 ¹⁾ |
| TAJD157*016#NJ | D | 150 | 16 | 85 | 10 | 125 | 24 | 6 | 0.9 | 408 | 367 | 163 | 1 ¹⁾ |
| TAJE157*016#NJ | E | 150 | 16 | 85 | 10 | 125 | 24 | 8 | 0.3 | 742 | 667 | 297 | 1 ¹⁾ |
| TAJV157*016#NJ | V | 150 | 16 | 85 | 10 | 125 | 24 | 8 | 0.5 | 707 | 636 | 283 | 1 ¹⁾ |
| TAJY157M016#NJ | Y | 150 | 16 | 85 | 10 | 125 | 24 | 15 | 0.3 | 645 | 581 | 258 | 1 ¹⁾ |
| TAJD227M016#NJ | D | 220 | 16 | 85 | 10 | 125 | 35.2 | 10 | 0.5 | 548 | 493 | 219 | 3 |
| TAJE227*016#NJ | E | 220 | 16 | 85 | 10 | 125 | 35.2 | 10 | 0.5 | 574 | 517 | 230 | 1 ¹⁾ |
| TAJV227*016#NJ | V | 220 | 16 | 85 | 10 | 125 | 35.2 | 8 | 0.9 | 527 | 474 | 211 | 1 ¹⁾ |
| TAJE337M016#NJ | E | 330 | 16 | 85 | 10 | 125 | 52.8 | 30 | 0.4 | 642 | 578 | 257 | 1 ¹⁾ |
| 20 Volt @ 85°C | | | | | | | | | | | | | |
| TAJR104*020#NJ | R | 0.1 | 20 | 85 | 13 | 125 | 0.5 | 4 | 25 | 47 | 42 | 19 | 1 |
| TAJS104*020#NJ | S | 0.1 | 20 | 85 | 13 | 125 | 0.5 | 4 | 25 | 51 | 46 | 20 | 1 |
| TAJR154*020#NJ | R | 0.15 | 20 | 85 | 13 | 125 | 0.5 | 4 | 25 | 47 | 42 | 19 | 1 |
| TAJS154*020#NJ | S | 0.15 | 20 | 85 | 13 | 125 | 0.5 | 4 | 25 | 51 | 46 | 20 | 1 |
| TAJR224*020#NJ | R | 0.22 | 20 | 85 | 13 | 125 | 0.5 | 4 | 25 | 47 | 42 | 19 | 1 |
| TAJS224*020#NJ | S | 0.22 | 20 | 85 | 13 | 125 | 0.5 | 4 | 25 | 51 | 46 | 20 | 1 |
| TAJR334*020#NJ | R | 0.33 | 20 | 85 | 13 | 125 | 0.5 | 4 | 25 | 47 | 42 | 19 | 1 |
| TAJS334*020#NJ | S | 0.33 | 20 | 85 | 13 | 125 | 0.5 | 4 | 25 | 51 | 46 | 20 | 1 |
| TAJR474*020#NJ | R | 0.47 | 20 | 85 | 13 | 125 | 0.5 | 4 | 25 | 47 | 42 | 19 | 1 |
| TAJS474*020#NJ | S | 0.47 | 20 | 85 | 13 | 125 | 0.5 | 4 | 25 | 51 | 46 | 20 | 1 |
| TAJR684*020#NJ | R | 0.68 | 20 | 85 | 13 | 125 | 0.5 | 4 | 20 | 52 | 47 | 21 | 1 |
| TAJS684*020#NJ | S | 0.68 | 20 | 85 | 13 | 125 | 0.5 | 4 | 25 | 51 | 46 | 20 | 1 |
| TAJT684*020#NJ | T | 0.68 | 20 | 85 | 13 | 125 | 0.5 | 4 | 15 | 73 | 66 | 29 | 1 |
| TAJA105*020#NJ | A | 1 | 20 | 85 | 13 | 125 | 0.5 | 4 | 9 | 91 | 82 | 37 | 1 |
| TAJR105*020#NJ | R | 1 | 20 | 85 | 13 | 125 | 0.5 | 4 | 20 | 52 | 47 | 21 | 1 |
| TAJS105*020#NJ | S | 1 | 20 | 85 | 13 | 125 | 0.5 | 4 | 12 | 74 | 66 | 29 | 1 |
| TAJT105*020#NJ | T | 1 | 20 | 85 | 13 | 125 | 0.5 | 4 | 9 | 94 | 85 | 38 | 1 |
| TAJA155*020#NJ | A | 1.5 | 20 | 85 | 13 | 125 | 0.5 | 6 | 6.5 | 107 | 97 | 43 | 1 |
| TAJP155*020#NJ | P | 1.5 | 20 | 85 | 13 | 125 | 0.5 | 6 | 9.6 | 79 | 71 | 32 | 1 |
| TAJR155*020#NJ | R | 1.5 | 20 | 85 | 13 | 125 | 0.5 | 6 | 9.6 | 76 | 68 | 30 | 1 |
| TAJS155*020#NJ | S | 1.5 | 20 | 85 | 13 | 125 | 0.5 | 6 | 5.4 | 110 | 99 | 44 | 1 |
| TAJT155*020#NJ | T | 1.5 | 20 | 85 | 13 | 125 | 0.5 | 6 | 6.5 | 111 | 100 | 44 | 1 |
| TAJA225*020#NJ | A | 2.2 | 20 | 85 | 13 | 125 | 0.5 | 6 | 5.3 | 119 | 107 | 48 | 1 |
| TAJB225*020#NJ | B | 2.2 | 20 | 85 | 13 | 125 | 0.5 | 6 | 3.5 | 156 | 140 | 62 | 1 |
| TAJP225*020#NJ | P | 2.2 | 20 | 85 | 13 | 125 | 0.5 | 6 | 8.3 | 85 | 77 | 34 | 1 |
| TAJR225*020#NJ | R | 2.2 | 20 | 85 | 13 | 125 | 0.5 | 6 | 6 | 96 | 86 | 38 | 1 |
| TAJS225*020#NJ | S | 2.2 | 20 | 85 | 13 | 125 | 0.5 | 6 | 4.5 | 120 | 108 | 48 | 1 |
| TAJT225*020#NJ | T | 2.2 | 20 | 85 | 13 | 125 | 0.5 | 6 | 6 | 115 | 104 | 46 | 1 |
| TAJA335*020#NJ | A | 3.3 | 20 | 85 | 13 | 125 | 0.7 | 6 | 4.5 | 129 | 116 | 52 | 1 |
| TAJB335*020#NJ | B | 3.3 | 20 | 85 | 13 | 125 | 0.7 | 6 | 3 | 168 | 151 | 67 | 1 |
| TAJT335*020#NJ | T | 3.3 | 20 | 85 | 13 | 125 | 0.7 | 6 | 3 | 163 | 147 | 65 | 1 |
| TAJA475*020#NJ | A | 4.7 | 20 | 85 | 13 | 125 | 0.9 | 6 | 4 | 137 | 123 | 55 | 1 |
| TAJB475*020#NJ | B | 4.7 | 20 | 85 | 13 | 125 | 0.9 | 6 | 3 | 168 | 151 | 67 | 1 |
| TAJC475*020#NJ | C | 4.7 | 20 | 85 | 13 | 125 | 0.9 | 6 | 2.8 | 198 | 178 | 79 | 1 |
| TAJT475*020#NJ | T | 4.7 | 20 | 85 | 13 | 125 | 0.9 | 6 | 3.1 | 161 | 145 | 64 | 1 |
| TAJA685*020#NJ | A | 6.8 | 20 | 85 | 13 | 125 | 1.4 | 6 | 2.4 | 177 | 159 | 71 | 1 |
| TAJB685*020#NJ | B | 6.8 | 20 | 85 | 13 | 125 | 1.4 | 6 | 2.5 | 184 | 166 | 74 | 1 |
| TAJC685*020#NJ | C | 6.8 | 20 | 85 | 13 | 125 | 1.4 | 6 | 2 | 235 | 211 | 94 | 1 |
| TAJT685*020#NJ | T | 6.8 | 20 | 85 | 13 | 125 | 1.4 | 6 | 2.6 | 175 | 158 | 70 | 1 |
| TAJB106*020#NJ | B | 10 | 20 | 85 | 13 | 125 | 2 | 6 | 2.1 | 201 | 181 | 80 | 1 |
| TAJC106*020#NJ | C | 10 | 20 | 85 | 13 | 125 | 2 | 6 | 1.2 | 303 | 272 | 121 | 1 |
| TAJW106*020#NJ | W | 10 | 20 | 85 | 13 | 125 | 2 | 6 | 1.9 | 218 | 196 | 87 | 1 |
| TAJB156*020#NJ | B | 15 | 20 | 85 | 13 | 125 | 3 | 6 | 2 | 206 | 186 | 82 | 1 |
| TAJC156*020#NJ | C | 15 | 20 | 85 | 13 | 125 | 3 | 6 | 1.7 | 254 | 229 | 102 | 1 |
| TAJD156*020#NJ | D | 15 | 20 | 85 | 13 | 125 | 3 | 6 | 1.1 | 369 | 332 | 148 | 1 ¹⁾ |
| TAJW156*020#NJ | W | 15 | 20 | 85 | 13 | 125 | 3 | 6 | 1.7 | 230 | 207 | 92 | 1 |
| TAJB226*020#NJ | B | 22 | 20 | 85 | 13 | 125 | 4.4 | 6 | 1.8 | 217 | 196 | 87 | 1 |
| TAJC226*020#NJ | C | 22 | 20 | 85 | 13 | 125 | 4.4 | 6 | 1.6 | 262 | 236 | 105 | 1 |
| TAJD226*020#NJ | D | 22 | 20 | 85 | 13 | 125 | 4.4 | 6 | 0.9 | 408 | 367 | 163 | 1 ¹⁾ |
| TAJW226*020#NJ | W | 22 | 20 | 85 | 13 | 125 | 4.4 | 6 | 1.6 | 237 | 213 | 95 | 1 |
| TAJY226*020#NJ | Y | 22 | 20 | 85 | 13 | 125 | 4.4 | 6 | 0.9 | 373 | 335 | 149 | 1 ¹⁾ |
| TAJC336*020#NJ | C | 33 | 20 | 85 | 13 | 125 | 6.6 | 6 | 1.5 | 271 | 244 | 108 | 1 |
| TAJD336*020#NJ | D | 33 | 20 | 85 | 13 | 125 | 6.6 | 6 | 0.9 | 408 | 367 | 163 | 1 ¹⁾ |
| TAJX336*020#NJ | X | 33 | 20 | 85 | 13 | 125 | 6.6 | 6 | 0.5 | 447 | 402 | 179 | 1 ¹⁾ |
| TAJY336*020#NJ | Y | 33 | 20 | 85 | 13 | 125 | 6.6 | 6 | 0.6 | 456 | 411 | 183 | 1 ¹⁾ |
| TAJC476*020#NJ | C | 47 | 20 | 85 | 13 | 125 | 9.4 | 6 | 0.5 | 469 | 422 | 188 | 1 |
| TAJD476*020#NJ | D | 47 | 20 | 85 | 13 | 125 | 9.4 | 6 | 0.9 | 408 | 367 | 163 | 1 ¹⁾ |
| TAJE476*020#NJ | E | 47 | 20 | 85 | 13 | 125 | 9.4 | 6 | 0.9 | 428 | 385 | 171 | 1 ¹⁾ |

TAJ Series

Standard and Low Profile Tantalum Capacitors



RATINGS & PART NUMBER REFERENCE

| Part Number | Case Size | Capacitance (µF) | Rated Voltage (V) | Rated Temperature (°C) | Category Voltage (V) | Category Temperature (°C) | DCL Max. (µA) | DF Max. (%) | ESR Max. @ 100kHz (Ω) | 100kHz RMS Current (mA) | | | MSL |
|-----------------------|-----------|------------------|-------------------|------------------------|----------------------|---------------------------|---------------|-------------|-----------------------|-------------------------|------|-------|-----------------|
| | | | | | | | | | | 25°C | 85°C | 125°C | |
| TAJX476*020#NJ | X | 47 | 20 | 85 | 13 | 125 | 9.4 | 6 | 0.4 | 500 | 450 | 200 | 1 ¹⁾ |
| TAJY476*020#NJ | Y | 47 | 20 | 85 | 13 | 125 | 9.4 | 6 | 0.9 | 373 | 335 | 149 | 1 ¹⁾ |
| TAJC686M020#NJ | C | 68 | 20 | 85 | 13 | 125 | 13.6 | 8 | 0.5 | 469 | 422 | 188 | 1 |
| TAJD686*020#NJ | D | 68 | 20 | 85 | 13 | 125 | 13.6 | 6 | 0.4 | 612 | 551 | 245 | 1 ¹⁾ |
| TAJE686*020#NJ | E | 68 | 20 | 85 | 13 | 125 | 13.6 | 6 | 0.9 | 428 | 385 | 171 | 1 ¹⁾ |
| TAJY686*020#NJ | Y | 68 | 20 | 85 | 13 | 125 | 13.6 | 6 | 0.9 | 373 | 335 | 149 | 1 ¹⁾ |
| TAJD107*020#NJ | D | 100 | 20 | 85 | 13 | 125 | 20 | 6 | 0.5 | 548 | 493 | 219 | 1 ¹⁾ |
| TAJE107*020#NJ | E | 100 | 20 | 85 | 13 | 125 | 20 | 6 | 0.4 | 642 | 578 | 257 | 1 ¹⁾ |
| TAJV107*020#NJ | V | 100 | 20 | 85 | 13 | 125 | 20 | 8 | 0.9 | 527 | 474 | 211 | 1 ¹⁾ |
| TAJE157*020#NJ | E | 150 | 20 | 85 | 13 | 125 | 30 | 8 | 0.3 | 742 | 667 | 297 | 1 ¹⁾ |
| TAJV157*020#NJ | V | 150 | 20 | 85 | 13 | 125 | 30 | 8 | 0.3 | 913 | 822 | 365 | 1 ¹⁾ |
| 25 Volt @ 85°C | | | | | | | | | | | | | |
| TAJR154*025#NJ | R | 0.15 | 25 | 85 | 17 | 125 | 0.5 | 4 | 24 | 48 | 43 | 19 | 1 |
| TAJR224*025#NJ | R | 0.22 | 25 | 85 | 17 | 125 | 0.5 | 4 | 21 | 51 | 46 | 20 | 1 |
| TAJR334*025#NJ | R | 0.33 | 25 | 85 | 17 | 125 | 0.5 | 4 | 17 | 57 | 51 | 23 | 1 |
| TAJA474*025#NJ | A | 0.47 | 25 | 85 | 17 | 125 | 0.5 | 4 | 14 | 73 | 66 | 29 | 1 |
| TAJR474*025#NJ | R | 0.47 | 25 | 85 | 17 | 125 | 0.5 | 4 | 15 | 61 | 54 | 24 | 1 |
| TAJS474*025#NJ | S | 0.47 | 25 | 85 | 17 | 125 | 0.5 | 4 | 9 | 85 | 76 | 34 | 1 |
| TAJA684*025#NJ | A | 0.68 | 25 | 85 | 17 | 125 | 0.5 | 4 | 10 | 87 | 78 | 35 | 1 |
| TAJR684*025#NJ | R | 0.68 | 25 | 85 | 17 | 125 | 0.5 | 4 | 13 | 65 | 59 | 26 | 1 |
| TAJS684*025#NJ | S | 0.68 | 25 | 85 | 17 | 125 | 0.5 | 4 | 8 | 90 | 81 | 36 | 1 |
| TAJA105*025#NJ | A | 1 | 25 | 85 | 17 | 125 | 0.5 | 4 | 8 | 97 | 87 | 39 | 1 |
| TAJP105*025#NJ | P | 1 | 25 | 85 | 17 | 125 | 0.5 | 4 | 11 | 74 | 66 | 30 | 1 |
| TAJR105*025#NJ | R | 1 | 25 | 85 | 17 | 125 | 0.5 | 4 | 8 | 83 | 75 | 33 | 1 |
| TAJS105*025#NJ | S | 1 | 25 | 85 | 17 | 125 | 0.5 | 4 | 8 | 90 | 81 | 36 | 1 |
| TAJA155*025#NJ | A | 1.5 | 25 | 85 | 17 | 125 | 0.5 | 6 | 7.5 | 100 | 90 | 40 | 1 |
| TAJB155*025#NJ | B | 1.5 | 25 | 85 | 17 | 125 | 0.5 | 6 | 5 | 130 | 117 | 52 | 1 |
| TAJP155*025#NJ | P | 1.5 | 25 | 85 | 17 | 125 | 0.5 | 6 | 9.6 | 79 | 71 | 32 | 1 |
| TAJS155*025#NJ | S | 1.5 | 25 | 85 | 17 | 125 | 0.5 | 6 | 5.4 | 110 | 99 | 44 | 1 |
| TAJT155*025#NJ | T | 1.5 | 25 | 85 | 17 | 125 | 0.5 | 6 | 5 | 126 | 114 | 51 | 1 |
| TAJA225*025#NJ | A | 2.2 | 25 | 85 | 17 | 125 | 0.6 | 6 | 7 | 104 | 93 | 41 | 1 |
| TAJB225*025#NJ | B | 2.2 | 25 | 85 | 17 | 125 | 0.6 | 6 | 4.5 | 137 | 124 | 55 | 1 |
| TAJT225*025#NJ | T | 2.2 | 25 | 85 | 17 | 125 | 0.6 | 6 | 4.5 | 133 | 120 | 53 | 1 |
| TAJA335*025#NJ | A | 3.3 | 25 | 85 | 17 | 125 | 0.8 | 6 | 3.7 | 142 | 128 | 57 | 1 |
| TAJB335*025#NJ | B | 3.3 | 25 | 85 | 17 | 125 | 0.8 | 6 | 3.5 | 156 | 140 | 62 | 1 |
| TAJC335*025#NJ | C | 3.3 | 25 | 85 | 17 | 125 | 0.8 | 6 | 2.8 | 198 | 178 | 79 | 1 |
| TAJT335*025#NJ | T | 3.3 | 25 | 85 | 17 | 125 | 0.8 | 6 | 3.5 | 151 | 136 | 60 | 1 |
| TAJW335*025#NJ | W | 3.3 | 25 | 85 | 17 | 125 | 0.8 | 6 | 1.6 | 237 | 213 | 95 | 1 |
| TAJA475*025#NJ | A | 4.7 | 25 | 85 | 17 | 125 | 1.2 | 6 | 3.1 | 156 | 140 | 62 | 1 |
| TAJB475*025#NJ | B | 4.7 | 25 | 85 | 17 | 125 | 1.2 | 6 | 1.5 | 238 | 214 | 95 | 1 |
| TAJC475*025#NJ | C | 4.7 | 25 | 85 | 17 | 125 | 1.2 | 6 | 2.4 | 214 | 193 | 86 | 1 |
| TAJT475*025#NJ | T | 4.7 | 25 | 85 | 17 | 125 | 1.2 | 6 | 3.1 | 161 | 145 | 64 | 1 |
| TAJW475*025#NJ | W | 4.7 | 25 | 85 | 17 | 125 | 1.2 | 6 | 1.2 | 274 | 246 | 110 | 1 |
| TAJB685*025#NJ | B | 6.8 | 25 | 85 | 17 | 125 | 1.7 | 6 | 2.8 | 174 | 157 | 70 | 1 |
| TAJC685*025#NJ | C | 6.8 | 25 | 85 | 17 | 125 | 1.7 | 6 | 2 | 235 | 211 | 94 | 1 |
| TAJW685*025#NJ | W | 6.8 | 25 | 85 | 17 | 125 | 1.7 | 6 | 2 | 212 | 191 | 85 | 1 |
| TAJB106*025#NJ | B | 10 | 25 | 85 | 17 | 125 | 2.5 | 6 | 2.5 | 184 | 166 | 74 | 1 |
| TAJC106*025#NJ | C | 10 | 25 | 85 | 17 | 125 | 2.5 | 6 | 1.8 | 247 | 222 | 99 | 1 |
| TAJD106*025#NJ | D | 10 | 25 | 85 | 17 | 125 | 2.5 | 6 | 1.2 | 354 | 318 | 141 | 1 ¹⁾ |
| TAJW106*025#NJ | W | 10 | 25 | 85 | 17 | 125 | 2.5 | 6 | 1.8 | 224 | 201 | 89 | 1 |
| TAJC156*025#NJ | C | 15 | 25 | 85 | 17 | 125 | 3.8 | 6 | 1.6 | 262 | 236 | 105 | 1 |
| TAJD156*025#NJ | D | 15 | 25 | 85 | 17 | 125 | 3.8 | 6 | 1 | 387 | 349 | 155 | 1 ¹⁾ |
| TAJY156*025#NJ | Y | 15 | 25 | 85 | 17 | 125 | 3.8 | 6 | 1 | 354 | 318 | 141 | 1 ¹⁾ |
| TAJC226*025#NJ | C | 22 | 25 | 85 | 17 | 125 | 5.5 | 6 | 1.4 | 280 | 252 | 112 | 1 |
| TAJD226*025#NJ | D | 22 | 25 | 85 | 17 | 125 | 5.5 | 6 | 0.9 | 408 | 367 | 163 | 1 ¹⁾ |
| TAJF226*025#NJ | F | 22 | 25 | 85 | 17 | 125 | 5.5 | 6 | 1 | 316 | 285 | 126 | 1 |
| TAJY226*025#NJ | Y | 22 | 25 | 85 | 17 | 125 | 5.5 | 6 | 0.8 | 395 | 356 | 158 | 1 ¹⁾ |
| TAJC336*025#NJ | C | 33 | 25 | 85 | 17 | 125 | 8.3 | 6 | 0.9 | 350 | 315 | 140 | 1 |
| TAJD336*025#NJ | D | 33 | 25 | 85 | 17 | 125 | 8.3 | 6 | 0.9 | 408 | 367 | 163 | 1 ¹⁾ |
| TAJE336*025#NJ | E | 33 | 25 | 85 | 17 | 125 | 8.3 | 6 | 0.9 | 428 | 385 | 171 | 1 ¹⁾ |
| TAJF336*025#NJ | F | 33 | 25 | 85 | 17 | 125 | 8.3 | 6 | 0.9 | 333 | 300 | 133 | 1 |
| TAJY336*025#NJ | Y | 33 | 25 | 85 | 17 | 125 | 8.3 | 6 | 0.5 | 500 | 450 | 200 | 1 ¹⁾ |
| TAJD476*025#NJ | D | 47 | 25 | 85 | 17 | 125 | 11.8 | 6 | 0.9 | 408 | 367 | 163 | 1 ¹⁾ |
| TAJE476*025#NJ | E | 47 | 25 | 85 | 17 | 125 | 11.8 | 6 | 0.9 | 428 | 385 | 171 | 1 ¹⁾ |
| TAJY476*025#NJ | Y | 47 | 25 | 85 | 17 | 125 | 11.8 | 6 | 0.9 | 373 | 335 | 149 | 1 ¹⁾ |
| TAJD686*025#NJ | D | 68 | 25 | 85 | 17 | 125 | 17 | 6 | 0.9 | 408 | 367 | 163 | 1 ¹⁾ |
| TAJE686*025#NJ | E | 68 | 25 | 85 | 17 | 125 | 17 | 6 | 0.9 | 428 | 385 | 171 | 1 ¹⁾ |

TAJ Series

Standard and Low Profile Tantalum Capacitors



RATINGS & PART NUMBER REFERENCE

| Part Number | Case Size | Capacitance (µF) | Rated Voltage (V) | Rated Temperature (°C) | Category Voltage (V) | Category Temperature (°C) | DCL Max. (µA) | DF Max. (%) | ESR Max. @ 100kHz (Ω) | 100kHz RMS Current (mA) | | | MSL |
|-----------------------|-----------|------------------|-------------------|------------------------|----------------------|---------------------------|---------------|-------------|-----------------------|-------------------------|------|-------|-----------------|
| | | | | | | | | | | 25°C | 85°C | 125°C | |
| TAJV686*025#NJ | V | 68 | 25 | 85 | 17 | 125 | 17 | 6 | 0.9 | 527 | 474 | 211 | 1 ¹⁾ |
| TAJE107*025#NJ | E | 100 | 25 | 85 | 17 | 125 | 25 | 10 | 0.3 | 742 | 667 | 297 | 1 ¹⁾ |
| TAJV107*025#NJ | V | 100 | 25 | 85 | 17 | 125 | 25 | 8 | 0.4 | 791 | 712 | 316 | 1 ¹⁾ |
| TAJV157M025#NJ | V | 150 | 25 | 85 | 17 | 125 | 37.5 | 10 | 0.4 | 791 | 712 | 316 | 1 ¹⁾ |
| 35 Volt @ 85°C | | | | | | | | | | | | | |
| TAJA104*035#NJ | A | 0.1 | 35 | 85 | 23 | 125 | 0.5 | 4 | 24 | 56 | 50 | 22 | 1 |
| TAJR104*035#NJ | R | 0.1 | 35 | 85 | 23 | 125 | 0.5 | 4 | 29 | 44 | 39 | 17 | 1 |
| TAJS104*035#NJ | S | 0.1 | 35 | 85 | 23 | 125 | 0.5 | 4 | 24 | 52 | 47 | 21 | 1 |
| TAJA154*035#NJ | A | 0.15 | 35 | 85 | 23 | 125 | 0.5 | 4 | 21 | 60 | 54 | 24 | 1 |
| TAJR154*035#NJ | R | 0.15 | 35 | 85 | 23 | 125 | 0.5 | 4 | 24 | 48 | 43 | 19 | 1 |
| TAJS154*035#NJ | S | 0.15 | 35 | 85 | 23 | 125 | 0.5 | 4 | 21 | 56 | 50 | 22 | 1 |
| TAJA224*035#NJ | A | 0.22 | 35 | 85 | 23 | 125 | 0.5 | 4 | 18 | 65 | 58 | 26 | 1 |
| TAJR224*035#NJ | R | 0.22 | 35 | 85 | 23 | 125 | 0.5 | 4 | 21 | 51 | 46 | 20 | 1 |
| TAJS224*035#NJ | S | 0.22 | 35 | 85 | 23 | 125 | 0.5 | 4 | 18 | 60 | 54 | 24 | 1 |
| TAJA334*035#NJ | A | 0.33 | 35 | 85 | 23 | 125 | 0.5 | 4 | 15 | 71 | 64 | 28 | 1 |
| TAJR334*035#NJ | R | 0.33 | 35 | 85 | 23 | 125 | 0.5 | 4 | 17 | 57 | 51 | 23 | 1 |
| TAJS334*035#NJ | S | 0.33 | 35 | 85 | 23 | 125 | 0.5 | 4 | 15 | 66 | 59 | 26 | 1 |
| TAJA474*035#NJ | A | 0.47 | 35 | 85 | 23 | 125 | 0.5 | 4 | 12 | 79 | 71 | 32 | 1 |
| TAJB474*035#NJ | B | 0.47 | 35 | 85 | 23 | 125 | 0.5 | 4 | 10 | 92 | 83 | 37 | 1 |
| TAJR474*035#NJ | R | 0.47 | 35 | 85 | 23 | 125 | 0.5 | 4 | 15 | 61 | 54 | 24 | 1 |
| TAJS474*035#NJ | S | 0.47 | 35 | 85 | 23 | 125 | 0.5 | 4 | 12 | 74 | 66 | 29 | 1 |
| TAJT474*035#NJ | T | 0.47 | 35 | 85 | 23 | 125 | 0.5 | 4 | 10 | 89 | 80 | 36 | 1 |
| TAJA684*035#NJ | A | 0.68 | 35 | 85 | 23 | 125 | 0.5 | 4 | 8 | 97 | 87 | 39 | 1 |
| TAJB684*035#NJ | B | 0.68 | 35 | 85 | 23 | 125 | 0.5 | 4 | 8 | 103 | 93 | 41 | 1 |
| TAJP684*035#NJ | P | 0.68 | 35 | 85 | 23 | 125 | 0.5 | 4 | 13 | 68 | 61 | 27 | 1 |
| TAJS684*035#NJ | S | 0.68 | 35 | 85 | 23 | 125 | 0.5 | 4 | 8 | 90 | 81 | 36 | 1 |
| TAJT684*035#NJ | T | 0.68 | 35 | 85 | 23 | 125 | 0.5 | 4 | 8 | 100 | 90 | 40 | 1 |
| TAJA105*035#NJ | A | 1 | 35 | 85 | 23 | 125 | 0.5 | 4 | 7.5 | 100 | 90 | 40 | 1 |
| TAJB105*035#NJ | B | 1 | 35 | 85 | 23 | 125 | 0.5 | 4 | 6.5 | 114 | 103 | 46 | 1 |
| TAJP105*035#NJ | P | 1 | 35 | 85 | 23 | 125 | 0.5 | 4 | 11 | 74 | 66 | 30 | 1 |
| TAJS105*035#NJ | S | 1 | 35 | 85 | 23 | 125 | 0.5 | 4 | 7.5 | 93 | 84 | 37 | 1 |
| TAJT105*035#NJ | T | 1 | 35 | 85 | 23 | 125 | 0.5 | 4 | 6.5 | 111 | 100 | 44 | 1 |
| TAJA155*035#NJ | A | 1.5 | 35 | 85 | 23 | 125 | 0.5 | 6 | 7.5 | 100 | 90 | 40 | 1 |
| TAJB155*035#NJ | B | 1.5 | 35 | 85 | 23 | 125 | 0.5 | 6 | 5.2 | 128 | 115 | 51 | 1 |
| TAJC155*035#NJ | C | 1.5 | 35 | 85 | 23 | 125 | 0.5 | 6 | 4.5 | 156 | 141 | 63 | 1 |
| TAJT155*035#NJ | T | 1.5 | 35 | 85 | 23 | 125 | 0.5 | 6 | 5.2 | 124 | 112 | 50 | 1 |
| TAJA225*035#NJ | A | 2.2 | 35 | 85 | 23 | 125 | 0.8 | 6 | 4.5 | 129 | 116 | 52 | 1 |
| TAJB225*035#NJ | B | 2.2 | 35 | 85 | 23 | 125 | 0.8 | 6 | 4.2 | 142 | 128 | 57 | 1 |
| TAJC225*035#NJ | C | 2.2 | 35 | 85 | 23 | 125 | 0.8 | 6 | 3.5 | 177 | 160 | 71 | 1 |
| TAJT225*035#NJ | T | 2.2 | 35 | 85 | 23 | 125 | 0.8 | 6 | 4.2 | 138 | 124 | 55 | 1 |
| TAJB335*035#NJ | B | 3.3 | 35 | 85 | 23 | 125 | 1.2 | 6 | 3.5 | 156 | 140 | 62 | 1 |
| TAJC335*035#NJ | C | 3.3 | 35 | 85 | 23 | 125 | 1.2 | 6 | 2.5 | 210 | 189 | 84 | 1 |
| TAJW335*035#NJ | W | 3.3 | 35 | 85 | 23 | 125 | 1.2 | 6 | 1.6 | 237 | 213 | 95 | 1 |
| TAJB475*035#NJ | B | 4.7 | 35 | 85 | 23 | 125 | 1.6 | 6 | 3.1 | 166 | 149 | 66 | 1 |
| TAJC475*035#NJ | C | 4.7 | 35 | 85 | 23 | 125 | 1.6 | 6 | 2.2 | 224 | 201 | 89 | 1 |
| TAJD475*035#NJ | D | 4.7 | 35 | 85 | 23 | 125 | 1.6 | 6 | 1.5 | 316 | 285 | 126 | 1 ¹⁾ |
| TAJW475*035#NJ | W | 4.7 | 35 | 85 | 23 | 125 | 1.6 | 6 | 2.2 | 202 | 182 | 81 | 1 |
| TAJC685*035#NJ | C | 6.8 | 35 | 85 | 23 | 125 | 2.4 | 6 | 1.8 | 247 | 222 | 99 | 1 |
| TAJD685*035#NJ | D | 6.8 | 35 | 85 | 23 | 125 | 2.4 | 6 | 1.3 | 340 | 306 | 136 | 1 ¹⁾ |
| TAJV685*035#NJ | Y | 6.8 | 35 | 85 | 23 | 125 | 2.3 | 6 | 0.9 | 373 | 335 | 149 | 1 ¹⁾ |
| TAJC106*035#NJ | C | 10 | 35 | 85 | 23 | 125 | 3.5 | 6 | 1.6 | 262 | 236 | 105 | 1 |
| TAJD106*035#NJ | D | 10 | 35 | 85 | 23 | 125 | 3.5 | 6 | 1 | 387 | 349 | 155 | 1 ¹⁾ |
| TAJE106*035#NJ | E | 10 | 35 | 85 | 23 | 125 | 3.5 | 6 | 0.9 | 428 | 385 | 171 | 1 ¹⁾ |
| TAJX106*035#NJ | X | 10 | 35 | 85 | 23 | 125 | 3.5 | 6 | 0.7 | 378 | 340 | 151 | 1 ¹⁾ |
| TAJY106*035#NJ | Y | 10 | 35 | 85 | 23 | 125 | 3.5 | 6 | 1 | 354 | 318 | 141 | 1 ¹⁾ |
| TAJC156*035#NJ | C | 15 | 35 | 85 | 23 | 125 | 5.3 | 6 | 1.4 | 280 | 252 | 112 | 1 |
| TAJD156*035#NJ | D | 15 | 35 | 85 | 23 | 125 | 5.3 | 6 | 0.9 | 408 | 367 | 163 | 1 ¹⁾ |
| TAJY156*035#NJ | Y | 15 | 35 | 85 | 23 | 125 | 5.3 | 6 | 0.6 | 456 | 411 | 183 | 1 ¹⁾ |
| TAJD226*035#NJ | D | 22 | 35 | 85 | 23 | 125 | 7.7 | 6 | 0.9 | 408 | 367 | 163 | 1 ¹⁾ |
| TAJE226*035#NJ | E | 22 | 35 | 85 | 23 | 125 | 7.7 | 6 | 0.5 | 574 | 517 | 230 | 1 ¹⁾ |
| TAJY226*035#NJ | Y | 22 | 35 | 85 | 23 | 125 | 7.7 | 6 | 0.5 | 500 | 450 | 200 | 1 ¹⁾ |
| TAJD336*035#NJ | D | 33 | 35 | 85 | 23 | 125 | 11.6 | 6 | 0.9 | 408 | 367 | 163 | 1 ¹⁾ |
| TAJE336*035#NJ | E | 33 | 35 | 85 | 23 | 125 | 11.6 | 6 | 0.9 | 428 | 385 | 171 | 1 ¹⁾ |
| TAJV336*035#NJ | V | 33 | 35 | 85 | 23 | 125 | 11.6 | 6 | 0.5 | 707 | 636 | 283 | 1 ¹⁾ |
| TAJD476*035#NJ | D | 47 | 35 | 85 | 23 | 125 | 16.5 | 6 | 0.9 | 408 | 367 | 163 | 3 |
| TAJE476*035#NJ | E | 47 | 35 | 85 | 23 | 125 | 16.5 | 6 | 0.9 | 428 | 385 | 171 | 1 ¹⁾ |
| TAJV476*035#NJ | V | 47 | 35 | 85 | 23 | 125 | 16.5 | 6 | 0.4 | 791 | 712 | 316 | 1 ¹⁾ |

TAJ Series

Standard and Low Profile Tantalum Capacitors



RATINGS & PART NUMBER REFERENCE

| Part Number | Case Size | Capacitance (µF) | Rated Voltage (V) | Rated Temperature (°C) | Category Voltage (V) | Category Temperature (°C) | DCL Max. (µA) | DF Max. (%) | ESR Max. @ 100kHz (Ω) | 100kHz RMS Current (mA) | | | MSL |
|----------------|-----------|------------------|-------------------|------------------------|----------------------|---------------------------|---------------|-------------|-----------------------|-------------------------|------|-------|-----------------|
| | | | | | | | | | | 25°C | 85°C | 125°C | |
| TAJV686*035#NJ | V | 68 | 35 | 85 | 23 | 125 | 23.8 | 6 | 0.5 | 707 | 636 | 283 | 1 ¹⁾ |
| 50 Volt @ 85°C | | | | | | | | | | | | | |
| TAJA104*050#NJ | A | 0.1 | 50 | 85 | 33 | 125 | 0.5 | 4 | 22 | 58 | 53 | 23 | 1 |
| TAJS104*050#NJ | S | 0.1 | 50 | 85 | 33 | 125 | 0.5 | 4 | 19 | 58 | 53 | 23 | 1 |
| TAJA154*050#NJ | A | 0.15 | 50 | 85 | 33 | 125 | 0.5 | 4 | 15 | 71 | 64 | 28 | 1 |
| TAJB154*050#NJ | B | 0.15 | 50 | 85 | 33 | 125 | 0.5 | 4 | 17 | 71 | 64 | 28 | 1 |
| TAJS154*050#NJ | S | 0.15 | 50 | 85 | 33 | 125 | 0.5 | 4 | 16 | 64 | 57 | 25 | 1 |
| TAJA224*050#NJ | A | 0.22 | 50 | 85 | 33 | 125 | 0.5 | 4 | 18 | 65 | 58 | 26 | 1 |
| TAJB224*050#NJ | B | 0.22 | 50 | 85 | 33 | 125 | 0.5 | 4 | 14 | 78 | 70 | 31 | 1 |
| TAJP224*050#NJ | P | 0.22 | 50 | 85 | 33 | 125 | 0.5 | 4 | 17 | 59 | 53 | 24 | 1 |
| TAJR224*050#NJ | R | 0.22 | 50 | 85 | 33 | 125 | 0.5 | 4 | 17 | 57 | 51 | 23 | 1 |
| TAJS224*050#NJ | S | 0.22 | 50 | 85 | 33 | 125 | 0.5 | 4 | 13 | 71 | 64 | 28 | 1 |
| TAJA334*050#NJ | A | 0.33 | 50 | 85 | 33 | 125 | 0.5 | 4 | 17 | 66 | 60 | 27 | 1 |
| TAJB334*050#NJ | B | 0.33 | 50 | 85 | 33 | 125 | 0.5 | 4 | 12 | 84 | 76 | 34 | 1 |
| TAJP334*050#NJ | P | 0.33 | 50 | 85 | 33 | 125 | 0.5 | 4 | 17 | 59 | 53 | 24 | 1 |
| TAJR334*050#NJ | R | 0.33 | 50 | 85 | 33 | 125 | 0.5 | 4 | 17 | 57 | 51 | 23 | 1 |
| TAJS334*050#NJ | S | 0.33 | 50 | 85 | 33 | 125 | 0.5 | 4 | 11 | 77 | 69 | 31 | 1 |
| TAJT334*050#NJ | T | 0.33 | 50 | 85 | 33 | 125 | 0.5 | 4 | 11 | 85 | 77 | 34 | 1 |
| TAJA474*050#NJ | A | 0.47 | 50 | 85 | 33 | 125 | 0.5 | 4 | 9.5 | 89 | 80 | 36 | 1 |
| TAJB474*050#NJ | B | 0.47 | 50 | 85 | 33 | 125 | 0.5 | 4 | 9.5 | 95 | 85 | 38 | 1 |
| TAJC474*050#NJ | C | 0.47 | 50 | 85 | 33 | 125 | 0.5 | 4 | 8 | 117 | 106 | 47 | 1 |
| TAJS474*050#NJ | S | 0.47 | 50 | 85 | 33 | 125 | 0.5 | 4 | 9.5 | 83 | 74 | 33 | 1 |
| TAJT474*050#NJ | T | 0.47 | 50 | 85 | 33 | 125 | 0.5 | 4 | 9.5 | 92 | 83 | 37 | 1 |
| TAJA684*050#NJ | A | 0.68 | 50 | 85 | 33 | 125 | 0.5 | 4 | 7.9 | 97 | 88 | 39 | 1 |
| TAJB684*050#NJ | B | 0.68 | 50 | 85 | 33 | 125 | 0.5 | 4 | 8 | 103 | 93 | 41 | 1 |
| TAJC684*050#NJ | C | 0.68 | 50 | 85 | 33 | 125 | 0.5 | 4 | 7 | 125 | 113 | 50 | 1 |
| TAJA105*050#NJ | A | 1 | 50 | 85 | 33 | 125 | 0.5 | 4 | 6.6 | 107 | 96 | 43 | 1 |
| TAJB105*050#NJ | B | 1 | 50 | 85 | 33 | 125 | 0.5 | 6 | 7 | 110 | 99 | 44 | 1 |
| TAJC105*050#NJ | C | 1 | 50 | 85 | 33 | 125 | 0.5 | 4 | 5.5 | 141 | 127 | 57 | 1 |
| TAJW105*050#NJ | W | 1 | 50 | 85 | 33 | 125 | 0.5 | 6 | 4.4 | 143 | 129 | 57 | 1 |
| TAJB155*050#NJ | B | 1.5 | 50 | 85 | 33 | 125 | 0.8 | 8 | 5.4 | 125 | 113 | 50 | 1 |
| TAJC155*050#NJ | C | 1.5 | 50 | 85 | 33 | 125 | 0.8 | 6 | 4.5 | 156 | 141 | 63 | 1 |
| TAJD155*050#NJ | D | 1.5 | 50 | 85 | 33 | 125 | 0.8 | 6 | 4 | 194 | 174 | 77 | 1 ¹⁾ |
| TAJW155*050#NJ | W | 1.5 | 50 | 85 | 33 | 125 | 0.8 | 6 | 3.1 | 170 | 153 | 68 | 1 |
| TAJB225*050#NJ | B | 2.2 | 50 | 85 | 33 | 125 | 1.1 | 8 | 4.5 | 137 | 124 | 55 | 1 |
| TAJC225*050#NJ | C | 2.2 | 50 | 85 | 33 | 125 | 1.1 | 8 | 2.5 | 210 | 189 | 84 | 1 |
| TAJD225*050#NJ | D | 2.2 | 50 | 85 | 33 | 125 | 1.1 | 6 | 2.5 | 245 | 220 | 98 | 1 ¹⁾ |
| TAJW225*050#NJ | W | 2.2 | 50 | 85 | 33 | 125 | 1.1 | 8 | 2.5 | 190 | 171 | 76 | 1 |
| TAJC335*050#NJ | C | 3.3 | 50 | 85 | 33 | 125 | 1.6 | 6 | 2.5 | 210 | 189 | 84 | 1 |
| TAJD335*050#NJ | D | 3.3 | 50 | 85 | 33 | 125 | 1.7 | 6 | 2 | 274 | 246 | 110 | 1 ¹⁾ |
| TAJY335*050#NJ | Y | 3.3 | 50 | 85 | 33 | 125 | 1.7 | 4 | 1.5 | 289 | 260 | 115 | 1 ¹⁾ |
| TAJC475*050#NJ | C | 4.7 | 50 | 85 | 33 | 125 | 2.4 | 6 | 1.4 | 280 | 252 | 112 | 1 |
| TAJD475*050#NJ | D | 4.7 | 50 | 85 | 33 | 125 | 2.4 | 6 | 1.4 | 327 | 295 | 131 | 1 ¹⁾ |
| TAJX475*050#NJ | X | 4.7 | 50 | 85 | 33 | 125 | 2.4 | 6 | 1.0 | 316 | 285 | 126 | 3 |
| TAJY475*050#NJ | Y | 4.7 | 50 | 85 | 33 | 125 | 2.4 | 6 | 1.2 | 323 | 290 | 129 | 1 ¹⁾ |
| TAJC685*050#NJ | C | 6.8 | 50 | 85 | 33 | 125 | 3.4 | 6 | 1 | 332 | 298 | 133 | 1 |
| TAJD685*050#NJ | D | 6.8 | 50 | 85 | 33 | 125 | 3.4 | 6 | 1 | 387 | 349 | 155 | 1 ¹⁾ |
| TAJY685*050#NJ | Y | 6.8 | 50 | 85 | 33 | 125 | 3.4 | 6 | 0.9 | 373 | 335 | 149 | 1 ¹⁾ |
| TAJD106*050#NJ | D | 10 | 50 | 85 | 33 | 125 | 5 | 6 | 0.8 | 433 | 390 | 173 | 1 ¹⁾ |
| TAJE106*050#NJ | E | 10 | 50 | 85 | 33 | 125 | 5 | 6 | 0.8 | 454 | 409 | 182 | 1 ¹⁾ |
| TAJV106*050#NJ | V | 10 | 50 | 85 | 33 | 125 | 5 | 6 | 0.65 | 620 | 558 | 248 | 1 ¹⁾ |
| TAJD156*050#NJ | D | 15 | 50 | 85 | 33 | 125 | 7.5 | 6 | 0.6 | 500 | 450 | 200 | 1 ¹⁾ |
| TAJE156*050#NJ | E | 15 | 50 | 85 | 33 | 125 | 7.5 | 6 | 0.6 | 524 | 472 | 210 | 1 ¹⁾ |
| TAJV156*050#NJ | V | 15 | 50 | 85 | 33 | 125 | 7.5 | 6 | 0.6 | 645 | 581 | 258 | 1 ¹⁾ |
| TAJV226*050#NJ | V | 22 | 50 | 85 | 33 | 125 | 11 | 8 | 0.6 | 645 | 581 | 258 | 1 ¹⁾ |

1¹⁾ – Dry pack option (see How to order) is recommended for reduction of stress during soldering. Dry pack parts should be treated as MSL 3. Moisture Sensitivity Level (MSL) is defined according to J-STD-020. All technical data relates to an ambient temperature of +25°C. Capacitance and DF are measured at 120Hz, 0.5V RMS with a maximum DC bias of 2.2 volts. DCL is measured at rated voltage after 5 minutes. For typical weight and composition see page 259.

NOTE: KYOCERA AVX reserves the right to supply higher voltage ratings or tighter tolerance part in the same case size, to the same reliability standards.

*Initial Limit

TAJ Series

Standard and Low Profile Tantalum Capacitors



QUALIFICATION TABLE

| TEST | TAJ series (Temperature range -55°C to +125°C) | | | | | | | | | |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|--------------------|------------------------------------|-----------|-----------|-----------|------------|-----------|
| | Condition | | | Characteristics | | | | | | |
| Endurance | Apply rated voltage (Ur) at 85°C and / or category voltage (Uc) at 125°C for 2000 hours through a circuit impedance of $\leq 0.1\Omega/V$. Stabilize at room temperature for 1-2 hours before measuring. | | | Visual examination | no visible damage | | | | | |
| | | | | DCL | 1.25 x initial limit | | | | | |
| | | | | $\Delta C/C$ | within $\pm 10\%$ of initial value | | | | | |
| | | | | DF | initial limit | | | | | |
| Humidity | Store at 65°C and 95% relative humidity for 500 hours, with no applied voltage. Stabilize at room temperature and humidity for 1-2 hours before measuring. | | | Visual examination | no visible damage | | | | | |
| | | | | DCL | 1.5 x initial limit | | | | | |
| | | | | $\Delta C/C$ | within $\pm 10\%$ of initial value | | | | | |
| | | | | DF | 1.2 x initial limit | | | | | |
| Temperature Stability | Step | Temperature°C | Duration(min) | | | | | | | |
| | 1 | +20 | 15 | | +20°C | -55°C | +20°C | +85°C | +125°C | +20°C |
| | 2 | -55 | 15 | DCL | IL* | n/a | IL* | 10 x IL* | 12.5 x IL* | IL* |
| | 3 | +20 | 15 | $\Delta C/C$ | n/a | +0/-10% | $\pm 5\%$ | +10/-0% | +12/-0% | $\pm 5\%$ |
| | 4 | +85 | 15 | DF | IL* | 1.5 x IL* | IL* | 1.5 x IL* | 2 x IL* | IL* |
| | 5 | +125 | 15 | | | | | | | |
| 6 | +20 | 15 | | | | | | | | |
| Surge Voltage | Apply 1.3x category voltage (Uc) at 125°C for 1000 cycles of duration 6 min (30 sec charge, 5 min 30 sec discharge) through a charge / discharge resistance of 1000 Ω | | | Visual examination | no visible damage | | | | | |
| | | | | DCL | initial limit | | | | | |
| | | | | $\Delta C/C$ | within $\pm 5\%$ of initial value | | | | | |
| | | | | DF | initial limit | | | | | |
| Mechanical Shock | MIL-STD-202, Method 213, Condition C | | | Visual examination | no visible damage | | | | | |
| | | | | DCL | initial limit | | | | | |
| | | | | $\Delta C/C$ | within $\pm 5\%$ of initial value | | | | | |
| | | | | DF | initial limit | | | | | |
| | | | | ESR | initial limit | | | | | |
| Vibration | MIL-STD-202, Method 204, Condition D | | | Visual examination | no visible damage | | | | | |
| | | | | DCL | initial limit | | | | | |
| | | | | $\Delta C/C$ | within $\pm 5\%$ of initial value | | | | | |
| | | | | DF | initial limit | | | | | |
| | | | | ESR | initial limit | | | | | |

TAJ Series

Standard and Low Profile Tantalum Capacitors

SOLID ELECTROLYTIC CAPACITOR ROADMAP



FIVE CAPACITOR CONSTRUCTION STYLES



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