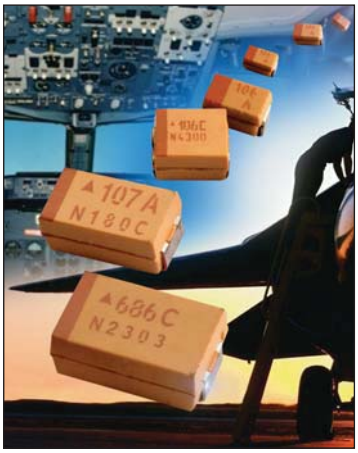
# TRJ Series

## Professional Tantalum Chip Capacitor

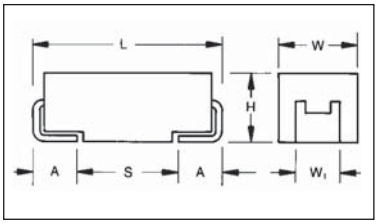



- Improved reliability – 2x standard
- DCL reduced by 25% to 0.0075 CV
- Robust against higher thermo-mechanical stresses during assembly process
- CV range: 0.10-470µF / 4-50V
- 5 case sizes available
- 123 low ESR parts released
- Automotive, medical, aerospace, military and other high-end applications

LEAD-FREE
LEAD-FREE COMPATIBLE COMPONENT

RoHS COMPLIANT

*SnPb termination option is not RoHS compliant.*




For part marking see page 127

## 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) | $W_1$±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) |

$W_1$ dimension applies to the termination width for A dimensional area only.

## HOW TO ORDER

| TRJ | B | 105 | * | 035 | R | RJ | — |
|---|---|---|---|---|---|---|---|
| **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=±10% M=±20% | **Rated DC Voltage** 004 = 4V 006 = 6.3V 010 = 10V 016 = 16V 020 = 20V 025 = 25V 035 = 35V 050 = 50V | **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 (Contact Manufacturer) K = Tin Lead 13" Reel (Contact Manufacturer) H, K = Non RoHS | **Standard Suffix** OR **0100** **Low ESR in mΩ** | **Additional characters may be added for special requirements** V = Dry pack Option (selected codes only) |

## TECHNICAL SPECIFICATIONS

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Technical Data: | All technical data relate to an ambient temperature of +25°C | | | | | | | | | |
| Capacitance Range: | 0.10 µF to 470 µF | | | | | | | | | |
| Capacitance Tolerance: | ±10%; ±20% | | | | | | | | | |
| Leakage Current DCL: | 0.0075CV | | | | | | | | | |
| Rated Voltage ($V_R$) | ≤ +85°C: | 4 | 6.3 | 10 | 16 | 20 | 25 | 35 | 50 | |
| Category Voltage ($V_C$) | ≤ +125°C: | 2.7 | 4 | 7 | 10 | 13 | 17 | 23 | 33 | |
| Surge Voltage ($V_S$) | ≤ +85°C: | 5.2 | 8 | 13 | 20 | 26 | 32 | 46 | 65 | |
| Surge Voltage ($V_S$) | ≤ +125°C: | 3.4 | 5 | 8 | 13 | 16 | 20 | 28 | 40 | |
| Temperature Range: | -55°C to +125°C | | | | | | | | | |
| Reliability: | 0.5% per 1000 hours at 85°C, $V_R$ with 0.1Ω/V series impedance, 60% confidence level | | | | | | | | | |
| Termination Plating: | Sn Plating (standard), Gold and SnPb Plating upon request | | | | | | | | | |
| | Meets requirements of AEC-Q200 | | | | | | | | | |

### CAPACITANCE AND RATED VOLTAGE, VR (VOLTAGE CODE) RANGE (LETTER DENOTES CASE SIZE)

| Capacitance | | Rated Voltage DC ($V_R$) to 85°C | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| µF | Code | 4V (G) | 6.3V (J) | 10V (A) | 16V (C) | 20V (D) | 25V (E) | 35V (V) | 50V (T) |
| 0.10 | 104 | | | | | | | A | |
| 0.15 | 154 | | | | | | | A, A(6000) | |
| 0.22 | 224 | | | | | | | A, A(6000) | A, A(7000) |
| 0.33 | 334 | | | | | | | A, A(6000) | A |
| 0.47 | 474 | | | | | | A, A(7000) | A, A(4000) | B |
| 0.68 | 684 | | | | | | A, A(6000) | A, A(6000) | B, B(2000) |
| 1.0 | 105 | | | | A | A, A(3000) | A, A(3000) | A, B, A(3000), B(2000) | C, B, B(2000) |
| 1.5 | 155 | | | A | | A, A(3000) | A, B, A(3000) | A, B, A(2000), B(2500) | C, C(1500) |
| 2.2 | 225 | | | A | A, A(3500) | A, A(3000) | A, B, A(1600), B(1200) | B, B(2000) | C, D, C(1000), D(1200) |
| 3.3 | 335 | | | | A, B, A(3500) | A, B, A(2500), B(1300) | B, B(2000) | B, C, D, B(1000), C(800) | C, D, C(1000), D(800) |
| 4.7 | 475 | | | A, A(2000) | A, B, A(2000), B(1500) | A, B, A(1800), B(1000) | B, B(1000) | B, C, D, B(1500), C(600) | D, D(600) |
| 6.8 | 685 | | | A, B, A(1800) | A, B, C, A(1500), B(1200) | B, C, B(1000) | B, C, B(1000), C(600) | C, D, C(600) | D |
| 10 | 106 | | A, B, A(1500) | A, B, A(1800), B(800) | B, C, B(800) | B, C, B(1000), C(500) | C, D, C(600) | C, D, C(600), D(250,400) | E, E(300,400) |
| 15 | 156 | B | A, B, A(1500), B(700) | A, B, C, A(1000), B(600) | B, B(800) | B, C, D, B(500), C(400) | C, D, C(500), D(300) | D, D(225) | |
| 22 | 226 | | A, B, C, A(900), B(600) | B, B(700) | B, C, D, B(600), C(350) | C, D, C(400), D(150,300) | D, D(300) | D, D(200.400) | |
| 33 | 336 | C | B, C, B(600) | B, C, D, B(650), C(300) | C, C(300) | C, D, C(300), D(250) | D, D(400) | E, E(250) | |
| 47 | 476 | | B, C, B(500), C(250) | C, D, C(300) | C, D, C(350), D(200) | D, D(200) | D, E, D(250), E(150) | | |
| 68 | 686 | | C, C(200) | C, C(300) | D, D(150) | D, E, D(200), E(120,200) | | | |
| 100 | 107 | | C, C(300) | C, D, E C(200), D(150), E(100) | D, E, D(150), E(150) | E, E(150) | | | |
| 150 | 157 | | C, D, C(300), D(150) | D, E, D(150), E(150) | E, E(150) | | | | |
| 220 | 227 | | D, D(150) | D, E, E(150) | | | | | |
| 330 | 337 | | D, E, E(150) | E, E(100) | | | | | |
| 470 | 477 | | E, E(200) | | | | | | |

Not recommended for new designs, higher voltage or smaller case size substitution are offered.

Available Ratings, (ESR ratings in mOhms in brackets)

Engineering samples - please contact manufacturer

*Codes under development - subject to change

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

# TRJ Series

## Professional Tantalum Chip Capacitor

### RATINGS & PART NUMBER REFERENCE

| AVX Part No. | Case Size | Capacitance (µF) | Rated Voltage (V) | DCL (µA) Max. | DF % Max. | ESR Max. (mΩ) @100kHz | MSL | 100kHz RMS Current (mA) | | | 100kHz RMS Voltage (mV) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 25ºC | 85ºC | 125ºC | 25ºC | 85ºC | 125ºC |
| **4 Volt @ 85ºC (2.7 Volt @ 125ºC)** | | | | | | | | | | | | | |
| TRJB156*004#RJ | B | 15 | 4 | 0.45 | 6 | 3000 | 1 | 168 | 151 | 67 | 505 | 454 | 202 |
| TRJC336*004#RJ | C | 33 | 4 | 1.0 | 6 | 2000 | 1 | 235 | 211 | 94 | 469 | 422 | 188 |
| **6.3 Volt @ 85ºC (4 Volt @ 125ºC)** | | | | | | | | | | | | | |
| TRJA106*006#RJ | A | 10 | 6.3 | 0.45 | 6 | 2200 | 1 | 185 | 166 | 74 | 406 | 366 | 162 |
| TRJA106*006#1500 | A | 10 | 6.3 | 0.45 | 6 | 1500 | 1 | 224 | 201 | 89 | 335 | 302 | 134 |
| TRJB106*006#RJ | B | 10 | 6.3 | 0.45 | 6 | 3000 | 1 | 168 | 151 | 67 | 505 | 454 | 202 |
| TRJA156*006#RJ | A | 15 | 6.3 | 0.68 | 6 | 2030 | 1 | 192 | 173 | 77 | 390 | 351 | 156 |
| TRJA156*006#1500 | A | 15 | 6.3 | 0.68 | 6 | 1500 | 1 | 224 | 201 | 89 | 335 | 302 | 134 |
| TRJB156*006#RJ | B | 15 | 6.3 | 0.68 | 6 | 2030 | 1 | 205 | 184 | 82 | 415 | 374 | 166 |
| TRJB156*006#0700 | B | 15 | 6.3 | 0.68 | 6 | 700 | 1 | 348 | 314 | 139 | 244 | 220 | 98 |
| TRJA226*006#RJ | A | 22 | 6.3 | 0.99 | 6 | 1700 | 1 | 210 | 189 | 84 | 357 | 321 | 143 |
| TRJA226*006#0900 | A | 22 | 6.3 | 0.99 | 6 | 900 | 1 | 289 | 260 | 115 | 260 | 234 | 104 |
| TRJB226*006#RJ | B | 22 | 6.3 | 0.99 | 6 | 1880 | 1 | 213 | 191 | 85 | 400 | 360 | 160 |
| TRJB226*006#0600 | B | 22 | 6.3 | 0.99 | 6 | 600 | 1 | 376 | 339 | 151 | 226 | 203 | 90 |
| TRJC226*006#RJ | C | 22 | 6.3 | 0.99 | 6 | 2000 | 1 | 235 | 211 | 94 | 469 | 422 | 188 |
| TRJB336*006#RJ | B | 33 | 6.3 | 1.5 | 6 | 1740 | 1 | 221 | 199 | 88 | 385 | 346 | 154 |
| TRJB336*006#0600 | B | 33 | 6.3 | 1.5 | 6 | 600 | 1 | 376 | 339 | 151 | 226 | 203 | 90 |
| TRJC336*006#RJ | C | 33 | 6.3 | 1.5 | 6 | 1800 | 1 | 247 | 222 | 99 | 445 | 400 | 178 |
| TRJB476*006#RJ | B | 47 | 6.3 | 2.1 | 6 | 1620 | 1 | 229 | 206 | 92 | 371 | 334 | 148 |
| TRJB476*006#0500 | B | 47 | 6.3 | 2.1 | 6 | 500 | 1 | 412 | 371 | 165 | 206 | 186 | 82 |
| TRJC476*006#RJ | C | 47 | 6.3 | 2.1 | 6 | 540 | 1 | 451 | 406 | 181 | 244 | 219 | 97 |
| TRJC476*006#0250 | C | 47 | 6.3 | 2.1 | 6 | 250 | 1 | 663 | 597 | 265 | 166 | 149 | 66 |
| TRJC686*006#RJ | C | 68 | 6.3 | 3.1 | 6 | 490 | 1 | 474 | 426 | 190 | 232 | 209 | 93 |
| TRJC686*006#0200 | C | 68 | 6.3 | 3.1 | 6 | 200 | 1 | 742 | 667 | 297 | 148 | 133 | 59 |
| TRJC107*006#RJ | C | 100 | 6.3 | 4.5 | 6 | 440 | 1 | 500 | 450 | 200 | 220 | 198 | 88 |
| TRJC107*006#0300 | C | 100 | 6.3 | 4.5 | 6 | 300 | 1 | 606 | 545 | 242 | 182 | 163 | 73 |
| TRJC157*006#RJ | C | 150 | 6.3 | 6.8 | 8 | 500 | 1 | 469 | 422 | 188 | 235 | 211 | 94 |
| TRJC157*006#0300 | C | 150 | 6.3 | 6.8 | 8 | 300 | 1 | 606 | 545 | 242 | 182 | 163 | 73 |
| TRJD157*006#RJ | D | 150 | 6.3 | 6.8 | 6 | 400 | 1 | 612 | 551 | 245 | 245 | 220 | 98 |
| TRJD157*006#0150 | D | 150 | 6.3 | 6.8 | 6 | 150 | 1 | 1000 | 900 | 400 | 150 | 135 | 60 |
| TRJD227*006#RJ | D | 220 | 6.3 | 9.9 | 8 | 360 | 1 | 645 | 581 | 258 | 232 | 209 | 93 |
| TRJD227*006#0150 | D | 220 | 6.3 | 9.9 | 8 | 150 | 1 | 1000 | 900 | 400 | 150 | 135 | 60 |
| TRJD337*006#RJ | D | 330 | 6.3 | 14 | 8 | 400 | 1 | 612 | 551 | 245 | 245 | 220 | 98 |
| TRJE337*006#RJ | E | 330 | 6.3 | 14 | 8 | 330 | 1[1)] | 707 | 636 | 283 | 233 | 210 | 93 |
| TRJE337*006#0150 | E | 330 | 6.3 | 14 | 8 | 150 | 1[1)] | 1049 | 944 | 420 | 157 | 142 | 63 |
| TRJE477*006#RJ | E | 470 | 6.3 | 21 | 8 | 250 | 1[1)] | 812 | 731 | 325 | 203 | 183 | 81 |
| TRJE477*006#0200 | E | 470 | 6.3 | 21 | 8 | 200 | 1[1)] | 908 | 817 | 363 | 182 | 163 | 73 |
| **10 Volt @ 85ºC (7 Volt @ 125ºC)** | | | | | | | | | | | | | |
| TRJA155*010#RJ | A | 1.5 | 10 | 0.30 | 6 | 7000 | 1 | 104 | 93 | 41 | 725 | 652 | 290 |
| TRJA225*010#RJ | A | 2.2 | 10 | 0.30 | 6 | 7000 | 1 | 104 | 93 | 41 | 725 | 652 | 290 |
| TRJA475*010#RJ | A | 4.7 | 10 | 0.35 | 6 | 2900 | 1 | 161 | 145 | 64 | 466 | 420 | 187 |
| TRJA475*010#2000 | A | 4.7 | 10 | 0.35 | 6 | 2000 | 1 | 194 | 174 | 77 | 387 | 349 | 155 |
| TRJA685*010#RJ | A | 6.8 | 10 | 0.51 | 6 | 2650 | 1 | 168 | 151 | 67 | 446 | 401 | 178 |
| TRJA685*010#1800 | A | 6.8 | 10 | 0.51 | 6 | 1800 | 1 | 204 | 184 | 82 | 367 | 331 | 147 |
| TRJB685*010#RJ | B | 6.8 | 10 | 0.51 | 6 | 3000 | 1 | 168 | 151 | 67 | 505 | 454 | 202 |
| TRJA106*010#RJ | A | 10 | 10 | 0.75 | 6 | 2200 | 1 | 185 | 166 | 74 | 406 | 366 | 162 |
| TRJA106*010#1800 | A | 10 | 10 | 0.75 | 6 | 1800 | 1 | 204 | 184 | 82 | 367 | 331 | 147 |
| TRJB106*010#RJ | B | 10 | 10 | 0.75 | 6 | 2200 | 1 | 197 | 177 | 79 | 432 | 389 | 173 |
| TRJB106*010#0800 | B | 10 | 10 | 0.75 | 6 | 800 | 1 | 326 | 293 | 130 | 261 | 235 | 104 |
| TRJA156*010#RJ | A | 15 | 10 | 1.10 | 6 | 1800 | 1 | 204 | 184 | 82 | 367 | 331 | 147 |
| TRJA156*010#1000 | A | 15 | 10 | 1.10 | 6 | 1000 | 1 | 274 | 246 | 110 | 274 | 246 | 110 |
| TRJB156*010#RJ | B | 15 | 10 | 1.1 | 6 | 2030 | 1 | 205 | 184 | 82 | 415 | 374 | 166 |
| TRJB156*010#0600 | B | 15 | 10 | 1.1 | 6 | 600 | 1 | 376 | 339 | 151 | 226 | 203 | 90 |
| TRJC156*010#RJ | C | 15 | 10 | 1.1 | 6 | 2000 | 1 | 235 | 211 | 94 | 469 | 422 | 188 |
| TRJB226*010#RJ | B | 22 | 10 | 1.7 | 6 | 1880 | 1 | 213 | 191 | 85 | 400 | 360 | 160 |
| TRJB226*010#0700 | B | 22 | 10 | 1.7 | 6 | 700 | 1 | 348 | 314 | 139 | 244 | 220 | 98 |
| TRJB336*010#RJ | B | 33 | 10 | 2.5 | 6 | 1000 | 1 | 292 | 262 | 117 | 292 | 262 | 117 |
| TRJB336*010#0650 | B | 33 | 10 | 2.5 | 6 | 650 | 1 | 362 | 325 | 145 | 235 | 212 | 94 |
| TRJC336*010#RJ | C | 33 | 10 | 2.5 | 6 | 590 | 1 | 432 | 389 | 173 | 255 | 229 | 102 |
| TRJC336*010#0300 | C | 33 | 10 | 2.5 | 6 | 300 | 1 | 606 | 545 | 242 | 182 | 163 | 73 |
| TRJD336*010#RJ | D | 33 | 10 | 2.5 | 6 | 1100 | 1 | 369 | 332 | 148 | 406 | 366 | 162 |
| TRJC476*010#RJ | C | 47 | 10 | 3.5 | 6 | 540 | 1 | 451 | 406 | 181 | 244 | 219 | 97 |
| TRJC476*010#0300 | C | 47 | 10 | 3.5 | 6 | 300 | 1 | 606 | 545 | 242 | 182 | 163 | 73 |
| TRJD476*010#RJ | D | 47 | 10 | 3.5 | 6 | 400 | 1 | 612 | 551 | 245 | 245 | 220 | 98 |
| TRJC686*010#RJ | C | 68 | 10 | 5.1 | 6 | 490 | 1 | 474 | 426 | 190 | 232 | 209 | 93 |
| TRJC686*010#0300 | C | 68 | 10 | 5.1 | 6 | 300 | 1 | 606 | 545 | 242 | 182 | 163 | 73 |
| TRJC107*010#RJ | C | 100 | 10 | 7.5 | 8 | 500 | 1 | 469 | 422 | 188 | 235 | 211 | 94 |
| TRJC107*010#0200 | C | 100 | 10 | 7.5 | 8 | 200 | 1 | 742 | 667 | 297 | 148 | 133 | 59 |
| TRJD107*010#RJ | D | 100 | 10 | 7.5 | 6 | 440 | 1 | 584 | 525 | 234 | 257 | 231 | 103 |

1[1)] Dry pack option (see How to order) 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.

The EIA & CECC standards for low ESR Solid Tantalum Capacitors allow an ESR movement to 1.25 times catalogue limit post mounting.

For typical weight and composition see page 120.

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

## RATINGS & PART NUMBER REFERENCE

| AVX Part No. | Case Size | Capacitance (µF) | Rated Voltage (V) | DCL (µA) Max. | DF % Max. | ESR Max. (mΩ) @100kHz | MSL | 100kHz RMS Current (mA) | | | 100kHz RMS Voltage (mV) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 25ºC | 85ºC | 125ºC | 25ºC | 85ºC | 125ºC |
| TRJD107*010#0150 | D | 100 | 10 | 7.5 | 6 | 150 | 1 | 1000 | 900 | 400 | 150 | 135 | 60 |
| TRJE107*010#RJ | E | 100 | 10 | 7.5 | 6 | 440 | 1[1)] | 612 | 551 | 245 | 269 | 242 | 108 |
| TRJE107*010#0100 | E | 100 | 10 | 7.5 | 6 | 100 | 1[1)] | 1285 | 1156 | 514 | 128 | 116 | 51 |
| TRJD157*010#RJ | D | 150 | 10 | 11 | 8 | 400 | 1 | 612 | 551 | 245 | 245 | 220 | 98 |
| TRJD157*010#0150 | D | 150 | 10 | 11 | 8 | 150 | 1 | 1000 | 900 | 400 | 150 | 135 | 60 |
| TRJE157*010#RJ | E | 150 | 10 | 11 | 8 | 400 | 1[1)] | 642 | 578 | 257 | 257 | 231 | 103 |
| TRJE157*010#0150 | E | 150 | 10 | 11 | 8 | 150 | 1[1)] | 1049 | 944 | 420 | 157 | 142 | 63 |
| TRJD227*010#RJ | D | 220 | 10 | 17 | 8 | 500 | 1 | 548 | 493 | 219 | 274 | 246 | 110 |
| TRJE227*010#RJ | E | 220 | 10 | 17 | 8 | 360 | 1[1)] | 677 | 609 | 271 | 244 | 219 | 97 |
| TRJE227*010#0150 | E | 220 | 10 | 17 | 8 | 150 | 1[1)] | 1049 | 944 | 420 | 157 | 142 | 63 |
| TRJE337*010#RJ | E | 330 | 10 | 25 | 8 | 300 | 1[1)] | 742 | 667 | 297 | 222 | 200 | 89 |
| TRJE337*010#100 | E | 330 | 10 | 25 | 8 | 10 0 | 1[1)] | 1285 | 1156 | 514 | 128 | 116 | 51 |
| **16 Volt @ 85ºC (10 Volt @ 125ºC)** | | | | | | | | | | | | | |
| TRJA105*016#RJ | A | 1.0 | 16 | 0.30 | 6 | 10000 | 1 | 87 | 78 | 35 | 866 | 779 | 346 |
| TRJA225*016#RJ | A | 2.2 | 16 | 0.30 | 6 | 4550 | 1 | 128 | 116 | 51 | 584 | 526 | 234 |
| TRJA225*016#3500 | A | 2.2 | 16 | 0.30 | 6 | 3500 | 1 | 146 | 132 | 59 | 512 | 461 | 205 |
| TRJA335*016#RJ | A | 3.3 | 16 | 0.40 | 6 | 3740 | 1 | 142 | 127 | 57 | 530 | 477 | 212 |
| TRJA335*016#3500 | A | 3.3 | 16 | 0.40 | 6 | 3500 | 1 | 146 | 132 | 59 | 512 | 461 | 205 |
| TRJB335*016#RJ | B | 3.3 | 16 | 0.40 | 6 | 4500 | 1 | 137 | 124 | 55 | 618 | 557 | 247 |
| TRJA475*016#RJ | A | 4.7 | 16 | 0.56 | 6 | 3160 | 1 | 154 | 139 | 62 | 487 | 438 | 195 |
| TRJA475*016#2000 | A | 4.7 | 16 | 0.56 | 6 | 2000 | 1 | 194 | 174 | 77 | 387 | 349 | 155 |
| TRJB475*016#RJ | B | 4.7 | 16 | 0.56 | 6 | 3160 | 1 | 164 | 148 | 66 | 518 | 466 | 207 |
| TRJB475*016#1500 | B | 4.7 | 16 | 0.56 | 6 | 1500 | 1 | 238 | 214 | 95 | 357 | 321 | 143 |
| TRJA685*016#RJ | A | 6.8 | 16 | 0.82 | 4 | 2000 | 1 | 194 | 174 | 77 | 387 | 349 | 155 |
| TRJA685*016#1500 | A | 6.8 | 16 | 0.82 | 4 | 1500 | 1 | 224 | 201 | 89 | 335 | 302 | 134 |
| TRJB685*016#RJ | B | 6.8 | 16 | 0.82 | 6 | 2650 | 1 | 179 | 161 | 72 | 475 | 427 | 190 |
| TRJB685*016#1200 | B | 6.8 | 16 | 0.82 | 6 | 1200 | 1 | 266 | 240 | 106 | 319 | 287 | 128 |
| TRJC685*016#RJ | C | 6.8 | 16 | 0.82 | 6 | 2500 | 1 | 210 | 189 | 84 | 524 | 472 | 210 |
| TRJB106*016#RJ | B | 10 | 16 | 1.2 | 6 | 2200 | 1 | 197 | 177 | 79 | 432 | 389 | 173 |
| TRJB106*016#0800 | B | 10 | 16 | 1.2 | 6 | 800 | 1 | 326 | 293 | 130 | 261 | 235 | 104 |
| TRJC106*016#RJ | C | 10 | 16 | 1.2 | 6 | 2000 | 1 | 235 | 211 | 94 | 469 | 422 | 188 |
| TRJB156*016#RJ | B | 15 | 16 | 1.8 | 6 | 2030 | 1 | 205 | 184 | 82 | 415 | 374 | 166 |
| TRJB156*016#0800 | B | 15 | 16 | 1.8 | 6 | 800 | 1 | 326 | 293 | 130 | 261 | 235 | 104 |
| TRJB226*016#RJ | B | 22 | 16 | 2.6 | 6 | 1100 | 1 | 278 | 250 | 111 | 306 | 275 | 122 |
| TRJB226*016#0600 | B | 22 | 16 | 2.6 | 6 | 600 | 1 | 376 | 339 | 151 | 226 | 203 | 90 |
| TRJC226*016#RJ | C | 22 | 16 | 2.6 | 6 | 700 | 1 | 396 | 357 | 159 | 277 | 250 | 111 |
| TRJC226*016#0350 | C | 22 | 16 | 2.6 | 6 | 350 | 1 | 561 | 505 | 224 | 196 | 177 | 78 |
| TRJD226*016#RJ | D | 22 | 16 | 2.6 | 6 | 1100 | 1 | 369 | 332 | 148 | 406 | 366 | 162 |
| TRJC336*016#RJ | C | 33 | 16 | 4.0 | 6 | 590 | 1 | 432 | 389 | 173 | 255 | 229 | 102 |
| TRJC336*016#0300 | C | 33 | 16 | 4.0 | 6 | 300 | 1 | 606 | 545 | 242 | 182 | 163 | 73 |
| TRJC476*016#RJ | C | 47 | 16 | 5.6 | 6 | 540 | 1 | 451 | 406 | 181 | 244 | 219 | 97 |
| TRJC476*016#0350 | C | 47 | 16 | 5.6 | 6 | 350 | 1 | 561 | 505 | 224 | 196 | 177 | 78 |
| TRJD476*016#RJ | D | 47 | 16 | 5.6 | 6 | 540 | 1 | 527 | 474 | 211 | 285 | 256 | 114 |
| TRJD476*016#0200 | D | 47 | 16 | 5.6 | 6 | 200 | 1 | 866 | 779 | 346 | 173 | 156 | 69 |
| TRJD686*016#RJ | D | 68 | 16 | 8.2 | 6 | 490 | 1 | 553 | 498 | 221 | 271 | 244 | 108 |
| TRJD686*016#0150 | D | 68 | 16 | 8.2 | 6 | 150 | 1 | 1000 | 900 | 400 | 150 | 135 | 60 |
| TRJD107*016#RJ | D | 100 | 16 | 12 | 6 | 440 | 1 | 584 | 525 | 234 | 257 | 231 | 103 |
| TRJD107*016#0150 | D | 100 | 16 | 12 | 6 | 150 | 1 | 1000 | 900 | 400 | 150 | 135 | 60 |
| TRJE107*016#RJ | E | 100 | 16 | 12 | 6 | 440 | 1[1)] | 612 | 551 | 245 | 269 | 242 | 108 |
| TRJE107*016#0150 | E | 100 | 16 | 12 | 6 | 150 | 1[1)] | 1049 | 944 | 420 | 157 | 142 | 63 |
| TRJE157*016#RJ | E | 150 | 16 | 16 | 6 | 300 | 1[1)] | 742 | 667 | 297 | 222 | 200 | 89 |
| TRJE157*016#0150 | E | 150 | 16 | 16 | 6 | 150 | 1[1)] | 1049 | 944 | 420 | 157 | 142 | 63 |
| **20 Volt @ 85ºC (13 Volt @ 125ºC)** | | | | | | | | | | | | | |
| TRJA105*020#RJ | A | 1 | 20 | 0.30 | 4 | 6630 | 1 | 106 | 96 | 43 | 705 | 635 | 282 |
| TRJA105*020#3000 | A | 1 | 20 | 0.30 | 4 | 3000 | 1 | 158 | 142 | 63 | 474 | 427 | 190 |
| TRJA155*020#RJ | A | 1.5 | 20 | 0.30 | 6 | 5460 | 1 | 117 | 105 | 47 | 640 | 576 | 256 |
| TRJA155*020#3000 | A | 1.5 | 20 | 0.30 | 6 | 3000 | 1 | 158 | 142 | 63 | 474 | 427 | 190 |
| TRJA225*020#RJ | A | 2.2 | 20 | 0.33 | 6 | 4550 | 1 | 128 | 116 | 51 | 584 | 526 | 234 |
| TRJA225*020#3000 | A | 2.2 | 20 | 0.33 | 6 | 3000 | 1 | 158 | 142 | 63 | 474 | 427 | 190 |
| TRJA335*020#RJ | A | 3.3 | 20 | 0.50 | 6 | 3740 | 1 | 142 | 127 | 57 | 530 | 477 | 212 |
| TRJA335*020#2500 | A | 3.3 | 20 | 0.50 | 6 | 2500 | 1 | 173 | 156 | 69 | 433 | 390 | 173 |
| TRJB335*020#RJ | B | 3.3 | 20 | 0.50 | 6 | 3740 | 1 | 151 | 136 | 60 | 564 | 507 | 226 |
| TRJB335*020#1300 | B | 3.3 | 20 | 0.50 | 6 | 1300 | 1 | 256 | 230 | 102 | 332 | 299 | 133 |
| TRJA475*020#RJ | A | 4.7 | 20 | 0.71 | 5 | 2500 | 1 | 184 | 166 | 74 | 461 | 415 | 184 |
| TRJA475*020#1800 | A | 4.7 | 20 | 0.71 | 5 | 1800 | 1 | 217 | 196 | 87 | 391 | 352 | 156 |
| TRJB475*020#RJ | B | 4.7 | 20 | 0.71 | 6 | 3160 | 1 | 164 | 148 | 66 | 518 | 466 | 207 |
| TRJB475*020#1000 | B | 4.7 | 20 | 0.71 | 6 | 1000 | 1 | 292 | 262 | 117 | 292 | 262 | 117 |
| TRJB685*020#RJ | B | 6.8 | 20 | 1.0 | 6 | 2650 | 1 | 179 | 161 | 72 | 475 | 427 | 190 |
| TRJB685*020#1000 | B | 6.8 | 20 | 1.0 | 6 | 1000 | 1 | 292 | 262 | 117 | 292 | 262 | 117 |
| TRJC685*020#RJ | C | 6.8 | 20 | 1.0 | 6 | 2000 | 1 | 235 | 211 | 94 | 469 | 422 | 188 |
| TRJB106*020#RJ | B | 10 | 20 | 1.5 | 6 | 2200 | 1 | 197 | 177 | 79 | 432 | 389 | 173 |

1[1)] Dry pack option (see How to order) 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.

The EIA & CECC standards for low ESR Solid Tantalum Capacitors allow an ESR movement to 1.25 times catalogue limit post mounting.

For typical weight and composition see page 120.

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

# TRJ Series

## Professional Tantalum Chip Capacitor

### RATINGS & PART NUMBER REFERENCE

| AVX Part No. | Case Size | Capacitance (µF) | Rated Voltage (V) | DCL (µA) Max. | DF % Max. | ESR Max. (mΩ) @100kHz | MSL | 100kHz RMS Current (mA) | | | 100kHz RMS Voltage (mV) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 25ºC | 85ºC | 125ºC | 25ºC | 85ºC | 125ºC |
| TRJB106*020#1000 | B | 10 | 20 | 1.5 | 6 | 1000 | 1 | 292 | 262 | 117 | 292 | 262 | 117 |
| TRJC106*020#RJ | C | 10 | 20 | 1.5 | 6 | 800 | 1 | 371 | 334 | 148 | 297 | 267 | 119 |
| TRJC106*020#0500 | C | 10 | 20 | 1.5 | 6 | 500 | 1 | 469 | 422 | 188 | 235 | 211 | 94 |
| TRJB156*020#RJ | B | 15 | 20 | 2.3 | 6 | 1400 | 1 | 280 | 252 | 112 | 392 | 353 | 157 |
| TRJB156*020#0500 | B | 15 | 20 | 2.3 | 6 | 500 | 1 | 469 | 422 | 188 | 235 | 211 | 94 |
| TRJC156*020#RJ | C | 15 | 20 | 2.3 | 6 | 720 | 1 | 391 | 352 | 156 | 281 | 253 | 113 |
| TRJC156*020#0400 | C | 15 | 20 | 2.3 | 6 | 400 | 1 | 524 | 472 | 210 | 210 | 189 | 84 |
| TRJD156*020#RJ | D | 15 | 20 | 2.3 | 6 | 1100 | 1 | 369 | 332 | 148 | 406 | 366 | 162 |
| TRJC226*020#RJ | C | 22 | 20 | 3.3 | 6 | 650 | 1 | 411 | 370 | 165 | 267 | 241 | 107 |
| TRJC226*020#0400 | C | 22 | 20 | 3.3 | 6 | 400 | 1 | 524 | 472 | 210 | 210 | 189 | 84 |
| TRJD226*020#RJ | D | 22 | 20 | 3.3 | 6 | 650 | 1 | 480 | 432 | 192 | 312 | 281 | 125 |
| TRJD226*020#0150 | D | 22 | 20 | 3.3 | 6 | 150 | 1 | 1000 | 900 | 400 | 150 | 135 | 60 |
| TRJD226*020#0300 | D | 22 | 20 | 3.3 | 6 | 300 | 1 | 707 | 636 | 283 | 212 | 191 | 85 |
| TRJC336*020#RJ | C | 33 | 20 | 5.0 | 6 | 590 | 1 | 432 | 389 | 173 | 255 | 229 | 102 |
| TRJC336*020#0300 | C | 33 | 20 | 5.0 | 6 | 300 | 1 | 606 | 545 | 242 | 182 | 163 | 73 |
| TRJD336*020#RJ | D | 33 | 20 | 5.0 | 6 | 590 | 1 | 504 | 454 | 202 | 297 | 268 | 119 |
| TRJD336*020#0250 | D | 33 | 20 | 5.0 | 6 | 250 | 1 | 775 | 697 | 310 | 194 | 174 | 77 |
| TRJD476*020#RJ | D | 47 | 20 | 7.1 | 6 | 540 | 1 | 527 | 474 | 211 | 285 | 256 | 114 |
| TRJD476*020#0200 | D | 47 | 20 | 7.1 | 6 | 200 | 1 | 866 | 779 | 346 | 173 | 156 | 69 |
| TRJD686*020#RJ | D | 68 | 20 | 10 | 6 | 490 | 1 | 553 | 498 | 221 | 271 | 244 | 108 |
| TRJD686*020#0200 | D | 68 | 20 | 10 | 6 | 200 | 1 | 866 | 779 | 346 | 173 | 156 | 69 |
| TRJE686*020#RJ | E | 68 | 20 | 10 | 6 | 490 | 1[1)] | 580 | 522 | 232 | 284 | 256 | 114 |
| TRJE686*020#0120 | E | 68 | 20 | 10 | 6 | 120 | 1[1)] | 1173 | 1055 | 469 | 141 | 127 | 56 |
| TRJE686*020#0200 | E | 68 | 20 | 10 | 6 | 200 | 1[1)] | 908 | 817 | 363 | 182 | 163 | 73 |
| TRJE107*020#RJ | E | 100 | 20 | 15 | 6 | 300 | 1[1)] | 742 | 667 | 297 | 222 | 200 | 89 |
| TRJE107*020#0150 | E | 100 | 20 | 15 | 6 | 150 | 1[1)] | 1049 | 944 | 420 | 157 | 142 | 63 |
| **25 Volt @ 85ºC (17 Volt @ 125ºC)** | | | | | | | | | | | | | |
| TRJA474*025#RJ | A | 0.47 | 25 | 0.30 | 4 | 9530 | 1 | 89 | 80 | 35 | 845 | 761 | 338 |
| TRJA474*025#7000 | A | 0.47 | 25 | 0.30 | 4 | 7000 | 1 | 104 | 93 | 41 | 725 | 652 | 290 |
| TRJA684*025#RJ | A | 0.68 | 25 | 0.30 | 4 | 7980 | 1 | 97 | 87 | 39 | 774 | 696 | 309 |
| TRJA684*025#6000 | A | 0.68 | 25 | 0.30 | 4 | 6000 | 1 | 112 | 101 | 45 | 671 | 604 | 268 |
| TRJA105*025#RJ | A | 1 | 25 | 0.30 | 4 | 6630 | 1 | 106 | 96 | 43 | 705 | 635 | 282 |
| TRJA105*025#3000 | A | 1 | 25 | 0.30 | 4 | 3000 | 1 | 158 | 142 | 63 | 474 | 427 | 190 |
| TRJA155*025#RJ | A | 1.5 | 25 | 0.30 | 6 | 5460 | 1 | 117 | 105 | 47 | 640 | 576 | 256 |
| TRJA155*025#3000 | A | 1.5 | 25 | 0.30 | 6 | 3000 | 1 | 158 | 142 | 63 | 474 | 427 | 190 |
| TRJB155*025#RJ | B | 1.5 | 25 | 0.30 | 6 | 5000 | 1 | 130 | 117 | 52 | 652 | 587 | 261 |
| TRJA225*025#RJ | A | 2.2 | 25 | 0.41 | 6 | 2900 | 1 | 161 | 145 | 64 | 466 | 420 | 187 |
| TRJA225*025#1600 | A | 2.2 | 25 | 0.41 | 6 | 1600 | 1 | 217 | 195 | 87 | 346 | 312 | 139 |
| TRJB225*025#RJ | B | 2.2 | 25 | 0.41 | 6 | 4550 | 1 | 137 | 123 | 55 | 622 | 560 | 249 |
| TRJB225*025#1200 | B | 2.2 | 25 | 0.41 | 6 | 1200 | 1 | 266 | 240 | 106 | 319 | 287 | 128 |
| TRJB335*025#RJ | B | 3.3 | 25 | 0.62 | 6 | 3740 | 1 | 151 | 136 | 60 | 564 | 507 | 226 |
| TRJB335*025#2000 | B | 3.3 | 25 | 0.62 | 6 | 2000 | 1 | 206 | 186 | 82 | 412 | 371 | 165 |
| TRJB475*025#RJ | B | 4.7 | 25 | 0.88 | 6 | 3160 | 1 | 164 | 148 | 66 | 518 | 466 | 207 |
| TRJB475*025#1000 | B | 4.7 | 25 | 0.88 | 6 | 1000 | 1 | 292 | 262 | 117 | 292 | 262 | 117 |
| TRJB685*025#RJ | B | 6.8 | 25 | 1.30 | 6 | 1500 | 1 | 238 | 214 | 95 | 357 | 321 | 143 |
| TRJB685*025#1000 | B | 6.8 | 25 | 1.30 | 6 | 1000 | 1 | 292 | 262 | 117 | 292 | 262 | 117 |
| TRJC685*025#RJ | C | 6.8 | 25 | 1.3 | 6 | 1070 | 1 | 321 | 289 | 128 | 343 | 309 | 137 |
| TRJC685*025#0600 | C | 6.8 | 25 | 1.3 | 6 | 600 | 1 | 428 | 385 | 171 | 257 | 231 | 103 |
| TRJC106*025#RJ | C | 10 | 25 | 1.9 | 6 | 800 | 1 | 371 | 334 | 148 | 297 | 267 | 119 |
| TRJC106*025#0600 | C | 10 | 25 | 1.9 | 6 | 600 | 1 | 428 | 385 | 171 | 257 | 231 | 103 |
| TRJD106*025#RJ | D | 10 | 25 | 1.9 | 6 | 1200 | 1 | 354 | 318 | 141 | 424 | 382 | 170 |
| TRJC156*025#RJ | C | 15 | 25 | 2.8 | 6 | 720 | 1 | 391 | 352 | 156 | 281 | 253 | 113 |
| TRJC156*025#0500 | C | 15 | 25 | 2.8 | 6 | 500 | 1 | 469 | 422 | 188 | 235 | 211 | 94 |
| TRJD156*025#RJ | D | 15 | 25 | 2.8 | 6 | 720 | 1 | 456 | 411 | 183 | 329 | 296 | 131 |
| TRJD156*025#0300 | D | 15 | 25 | 2.8 | 6 | 300 | 1 | 707 | 636 | 283 | 212 | 191 | 85 |
| TRJD226*025#RJ | D | 22 | 25 | 4.1 | 6 | 650 | 1 | 480 | 432 | 192 | 312 | 281 | 125 |
| TRJD226*025#0300 | D | 22 | 25 | 4.1 | 6 | 300 | 1 | 707 | 636 | 283 | 212 | 191 | 85 |
| TRJD336*025#RJ | D | 33 | 25 | 6.2 | 6 | 590 | 1 | 504 | 454 | 202 | 297 | 268 | 119 |
| TRJD336*025#0400 | D | 33 | 25 | 6.2 | 6 | 400 | 1 | 612 | 551 | 245 | 245 | 220 | 98 |
| TRJD476*025#RJ | D | 47 | 25 | 8.8 | 6 | 540 | 1 | 527 | 474 | 211 | 285 | 256 | 114 |
| TRJD476*025#0250 | D | 47 | 25 | 8.8 | 6 | 250 | 1 | 775 | 697 | 310 | 194 | 174 | 77 |
| TRJE476*025#RJ | E | 47 | 25 | 8.8 | 6 | 540 | 1[1)] | 553 | 497 | 221 | 298 | 269 | 119 |
| TRJE476*025#0150 | E | 47 | 25 | 8.8 | 6 | 150 | 1[1)] | 1049 | 944 | 420 | 157 | 142 | 63 |
| **35 Volt @ 85ºC (23 Volt @ 125ºC)** | | | | | | | | | | | | | |
| TRJA104*035#RJ | A | 0.1 | 35 | 0.30 | 4 | 20000 | 1 | 61 | 55 | 24 | 1225 | 1102 | 490 |
| TRJA154*035#RJ | A | 0.15 | 35 | 0.30 | 4 | 16470 | 1 | 67 | 61 | 27 | 1111 | 1000 | 445 |
| TRJA154*035#6000 | A | 0.15 | 35 | 0.30 | 4 | 6000 | 1 | 112 | 101 | 45 | 671 | 604 | 268 |
| TRJA224*035#RJ | A | 0.22 | 35 | 0.30 | 4 | 13710 | 1 | 74 | 67 | 30 | 1014 | 913 | 406 |
| TRJA224*035#6000 | A | 0.22 | 35 | 0.30 | 4 | 6000 | 1 | 112 | 101 | 45 | 671 | 604 | 268 |
| TRJA334*035#RJ | A | 0.33 | 35 | 0.30 | 4 | 11280 | 1 | 82 | 73 | 33 | 920 | 828 | 368 |
| TRJA334*035#6000 | A | 0.33 | 35 | 0.30 | 4 | 6000 | 1 | 112 | 101 | 45 | 671 | 604 | 268 |

1[1)] Dry pack option (see How to order) 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.

The EIA & CECC standards for low ESR Solid Tantalum Capacitors allow an ESR movement to 1.25 times catalogue limit post mounting.

For typical weight and composition see page 120.

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

### RATINGS & PART NUMBER REFERENCE

| AVX Part No. | Case Size | Capacitance (µF) | Rated Voltage (V) | DCL (µA) Max. | DF % Max. | ESR Max. (mΩ) @100kHz | MSL | 100kHz RMS Current (mA) | | | 100kHz RMS Voltage (mV) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 25ºC | 85ºC | 125ºC | 25ºC | 85ºC | 125ºC |
| TRJA474*035#RJ | A | 0.47 | 35 | 0.30 | 4 | 9530 | 1 | 89 | 80 | 35 | 845 | 761 | 338 |
| TRJA474*035#4000 | A | 0.47 | 35 | 0.30 | 4 | 4000 | 1 | 137 | 123 | 55 | 548 | 493 | 219 |
| TRJA684*035#RJ | A | 0.68 | 35 | 0.30 | 4 | 7980 | 1 | 97 | 87 | 39 | 774 | 696 | 309 |
| TRJA684*035#6000 | A | 0.68 | 35 | 0.30 | 4 | 6000 | 1 | 112 | 101 | 45 | 671 | 604 | 268 |
| TRJA105*035#RJ | A | 1 | 35 | 0.30 | 4 | 6630 | 1 | 106 | 96 | 43 | 705 | 635 | 282 |
| TRJA105*035#3000 | A | 1 | 35 | 0.30 | 4 | 3000 | 1 | 158 | 142 | 63 | 474 | 427 | 190 |
| TRJB105*035#RJ | B | 1 | 35 | 0.30 | 4 | 3400 | 1 | 158 | 142 | 63 | 538 | 484 | 215 |
| TRJB105*035#2000 | B | 1 | 35 | 0.30 | 4 | 2000 | 1 | 206 | 186 | 82 | 412 | 371 | 165 |
| TRJA155*035#RJ | A | 1.5 | 35 | 0.39 | 6 | 3100 | 1 | 166 | 149 | 66 | 513 | 462 | 205 |
| TRJA155*035#2000 | A | 1.5 | 35 | 0.39 | 6 | 2000 | 1 | 206 | 186 | 82 | 412 | 371 | 165 |
| TRJB155*035#RJ | B | 1.5 | 35 | 0.39 | 6 | 5460 | 1 | 125 | 112 | 50 | 681 | 613 | 272 |
| TRJB155*035#2500 | B | 1.5 | 35 | 0.39 | 6 | 2500 | 1 | 184 | 166 | 74 | 461 | 415 | 184 |
| TRJB225*035#RJ | B | 2.2 | 35 | 0.58 | 6 | 4550 | 1 | 137 | 123 | 55 | 622 | 560 | 249 |
| TRJB225*035#2000 | B | 2.2 | 35 | 0.58 | 6 | 2000 | 1 | 206 | 186 | 82 | 412 | 371 | 165 |
| TRJB335*035#RJ | B | 3.3 | 35 | 0.87 | 6 | 3740 | 1 | 151 | 136 | 60 | 564 | 507 | 226 |
| TRJB335*035#1000 | B | 3.3 | 35 | 0.87 | 6 | 1000 | 1 | 292 | 262 | 117 | 292 | 262 | 117 |
| TRJC335*035#RJ | C | 3.3 | 35 | 0.87 | 6 | 1840 | 1 | 245 | 220 | 98 | 450 | 405 | 180 |
| TRJC335*035#0800 | C | 3.3 | 35 | 0.87 | 6 | 800 | 1 | 371 | 334 | 148 | 297 | 267 | 119 |
| TRJD335*035#RJ | D | 3.3 | 35 | 0.87 | 6 | 2000 | 1 | 274 | 246 | 110 | 548 | 493 | 219 |
| TRJB475*035#RJ | B | 4.7 | 35 | 1.20 | 6 | 2200 | 1 | 224 | 201 | 89 | 492 | 443 | 197 |
| TRJB475*035#1500 | B | 4.7 | 35 | 1.20 | 6 | 1500 | 1 | 271 | 244 | 108 | 406 | 366 | 162 |
| TRJC475*035#RJ | C | 4.7 | 35 | 1.2 | 6 | 1410 | 1 | 279 | 251 | 112 | 394 | 354 | 158 |
| TRJC475*035#0600 | C | 4.7 | 35 | 1.2 | 6 | 600 | 1 | 428 | 385 | 171 | 257 | 231 | 103 |
| TRJD475*035#RJ | D | 4.7 | 35 | 1.2 | 6 | 1500 | 1 | 316 | 285 | 126 | 474 | 427 | 190 |
| TRJC685*035#RJ | C | 6.8 | 35 | 1.8 | 6 | 1070 | 1 | 321 | 289 | 128 | 343 | 309 | 137 |
| TRJC685*035#0600 | C | 6.8 | 35 | 1.8 | 6 | 600 | 1 | 428 | 385 | 171 | 257 | 231 | 103 |
| TRJD685*035#RJ | D | 6.8 | 35 | 1.8 | 6 | 1300 | 1 | 340 | 306 | 136 | 442 | 397 | 177 |
| TRJC106*035#RJ | C | 10 | 35 | 2.6 | 6 | 800 | 1 | 371 | 334 | 148 | 297 | 267 | 119 |
| TRJC106*035#0600 | C | 10 | 35 | 2.6 | 6 | 600 | 1 | 428 | 385 | 171 | 257 | 231 | 103 |
| TRJD106*035#RJ | D | 10 | 35 | 2.6 | 6 | 800 | 1 | 433 | 390 | 173 | 346 | 312 | 139 |
| TRJD106*035#0250 | D | 10 | 35 | 2.6 | 6 | 250 | 1 | 775 | 697 | 310 | 194 | 174 | 77 |
| TRJD106*035#0400 | D | 10 | 35 | 2.6 | 6 | 400 | 1 | 612 | 551 | 245 | 245 | 220 | 98 |
| TRJD156*035#RJ | D | 15 | 35 | 3.9 | 6 | 720 | 1 | 456 | 411 | 183 | 329 | 296 | 131 |
| TRJD156*035#0225 | D | 15 | 35 | 3.9 | 6 | 225 | 1 | 816 | 735 | 327 | 184 | 165 | 73 |
| TRJD226*035#RJ | D | 22 | 35 | 5.8 | 6 | 650 | 1 | 480 | 432 | 192 | 312 | 281 | 125 |
| TRJD226*035#0200 | D | 22 | 35 | 5.8 | 6 | 200 | 1 | 866 | 779 | 346 | 173 | 156 | 69 |
| TRJD226*035#0400 | D | 22 | 35 | 5.8 | 6 | 400 | 1 | 612 | 551 | 245 | 245 | 220 | 98 |
| TRJE336*035#RJ | E | 33 | 35 | 8.7 | 6 | 590 | 1[1)] | 529 | 476 | 212 | 312 | 281 | 125 |
| TRJE336*035#0250 | E | 33 | 35 | 8.7 | 6 | 250 | 1[1)] | 812 | 731 | 325 | 203 | 183 | 81 |
| **50 Volt @ 85ºC (33 Volt @ 125ºC)** | | | | | | | | | | | | | |
| TRJA224*050#RJ | A | 0.22 | 50 | 0.3 | 4 | 7500 | 1 | 100 | 90 | 40 | 750 | 675 | 300 |
| TRJA224*050#7000 | A | 0.22 | 50 | 0.3 | 4 | 7000 | 1 | 104 | 93 | 41 | 725 | 652 | 290 |
| TRJA334*050#RJ | A | 0.33 | 50 | 0.3 | 4 | 7000 | 1 | 104 | 93 | 41 | 725 | 652 | 290 |
| TRJB474*050#RJ | B | 0.47 | 50 | 0.3 | 4 | 5000 | 1 | 130 | 117 | 52 | 652 | 587 | 261 |
| TRJB684*050#RJ | B | 0.68 | 50 | 0.3 | 4 | 4000 | 1 | 146 | 131 | 58 | 583 | 525 | 233 |
| TRJB684*050#2000 | B | 0.68 | 50 | 0.3 | 4 | 2000 | 1 | 206 | 186 | 82 | 412 | 371 | 165 |
| TRJB105*050#RJ | B | 1 | 50 | 0.4 | 4 | 3400 | 1 | 158 | 142 | 63 | 538 | 484 | 215 |
| TRJB105*050#2000 | B | 1 | 50 | 0.4 | 4 | 2000 | 1 | 206 | 186 | 82 | 412 | 371 | 165 |
| TRJC105*050#RJ | C | 1 | 50 | 0.4 | 4 | 3000 | 1 | 191 | 172 | 77 | 574 | 517 | 230 |
| TRJC155*050#RJ | C | 1.5 | 50 | 0.6 | 6 | 2500 | 1 | 210 | 189 | 84 | 524 | 472 | 210 |
| TRJC155*050#1500 | C | 1.5 | 50 | 0.6 | 6 | 1500 | 1 | 271 | 244 | 108 | 406 | 366 | 162 |
| TRJC225*050#RJ | C | 2.2 | 50 | 0.8 | 6 | 1700 | 1 | 254 | 229 | 102 | 432 | 389 | 173 |
| TRJC225*050#1000 | C | 2.2 | 50 | 0.8 | 6 | 1000 | 1 | 332 | 298 | 133 | 332 | 298 | 133 |
| TRJD225*050#RJ | D | 2.2 | 50 | 0.8 | 4.5 | 2000 | 1 | 274 | 246 | 110 | 548 | 493 | 219 |
| TRJD225*050#1200 | D | 2.2 | 50 | 0.8 | 4.5 | 1200 | 1 | 354 | 318 | 141 | 424 | 382 | 170 |
| TRJC335*050#RJ | C | 3.3 | 50 | 1.2 | 6 | 1400 | 1 | 280 | 252 | 112 | 392 | 353 | 157 |
| TRJC335*050#1000 | C | 3.3 | 50 | 1.2 | 6 | 1000 | 1 | 332 | 298 | 133 | 332 | 298 | 133 |
| TRJD335*050#RJ | D | 3.3 | 50 | 1.20 | 4.5 | 1100 | 1 | 369 | 332 | 148 | 406 | 366 | 162 |
| TRJD335*050#0800 | D | 3.3 | 50 | 1.20 | 4.5 | 800 | 1 | 433 | 390 | 173 | 346 | 312 | 139 |
| TRJD475*050#RJ | D | 4.7 | 50 | 1.80 | 4.5 | 900 | 1 | 408 | 367 | 163 | 367 | 331 | 147 |
| TRJD475*050#0600 | D | 4.7 | 50 | 1.80 | 4.5 | 600 | 1 | 500 | 450 | 200 | 300 | 270 | 120 |
| TRJD685*050#RJ | D | 6.8 | 50 | 2.60 | 4.5 | 700 | 1 | 463 | 417 | 185 | 324 | 292 | 130 |
| TRJE106*050#RJ | E | 10 | 50 | 3.80 | 4.5 | 700 | 1[1)] | 486 | 437 | 194 | 340 | 306 | 136 |
| TRJE106*050#0300 | E | 10 | 50 | 3.80 | 4.5 | 300 | 1[1)] | 742 | 667 | 297 | 222 | 200 | 89 |
| TRJE106*050#0400 | E | 10 | 50 | 3.80 | 4.5 | 400 | 1[1)] | 642 | 578 | 257 | 257 | 231 | 103 |

1[1)] Dry pack option (see How to order) 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.

The EIA & CECC standards for low ESR Solid Tantalum Capacitors allow an ESR movement to 1.25 times catalogue limit post mounting.

For typical weight and composition see page 120.

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

ООО «ЛайфЭлектроникс» “LifeElectronics” LLC

ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703

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- *Подбор аналогов.*
- *Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.*

- *Приемлемые сроки поставки, возможна ускоренная поставка.*
- *Доставку товара в любую точку России и стран СНГ.*
- *Комплексную поставку.*
- *Работу по проектам и поставку образцов.*
- *Формирование склада под заказчика.*

- *Сертификаты соответствия на поставляемую продукцию (по желанию клиента).*
- *Тестирование поставляемой продукции.*
- *Поставку компонентов, требующих военную и космическую приемку.*
- *Входной контроль качества.*
- *Наличие сертификата ISO.*

*В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.*

*Конструкторский отдел помогает осуществить:*

- *Регистрацию проекта у производителя компонентов.*
- *Техническую поддержку проекта.*
- *Защиту от снятия компонента с производства.*
- *Оценку стоимости проекта по компонентам.*
- *Изготовление тестовой платы монтаж и пусконаладочные работы.*

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