

TBJ Series



COTS-Plus



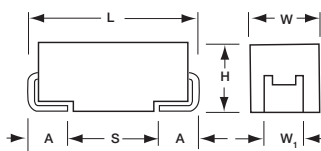
The TBJ COTS-Plus series, based on the CWR11 form factor, is a high reliability series encompassing the current range of EIA Low ESR ratings. These ratings are available with Weibull grading (B and C), surge current testing (A, B, C) per MIL-PRF-55365 Rev. G, and optional Group A from MIL-PRF-55365.

For Space Level applications, AVX SRC9000 qualification is recommended. Please refer to the TBJ COTS-Plus SRC9000 Datasheet for part number availability.

There are five termination finishes available: solder plated, fused solder plated, hot solder dipped, 100% Tin and gold plated (these correspond to "H", "K", "C", "7" and "B" termination, respectively). The molding compound has been selected to meet the requirements of UL94V-0 (Flame Retardancy) and outgassing requirements of ASTM E-595.

For moisture sensitivity levels please refer to the High Reliability Tantalum MSL section located in the back of the High Reliability Tantalum Catalog.

CASE DIMENSIONS: millimeters (inches)

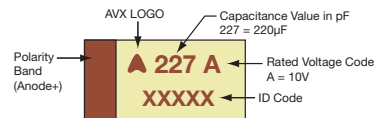


| Code | EIA Code | EIA Metric | L±0.20 (0.008) | W+0.20 (0.008) -0.10 (0.004) | H+0.20 (0.008) -0.10 (0.004) | W ₁ ±0.20 (0.008) | A+0.30 (0.012) -0.20 (0.008) | S Min. |
|------|----------|------------|----------------|------------------------------|------------------------------|------------------------------|------------------------------|--------------|
| 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) |
| V | 2924 | 7361-38 | 7.30 (0.287) | 6.10 (0.240) | 3.55 (0.140) | 3.10 (0.120) | 1.30 (0.051) | 4.40 (0.173) |

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

MARKING

A, B, C, D, E, V CASE



HOW TO ORDER

AVX PART NUMBER:

| TBJ | D | 227 | * | 035 | C | B | S | Z | 0 | 0 | 00 |
|-------------|------------------|--|------------------------------|--|----------------------------|---|-------------------------------------|---|----------------------------|--|---|
| Type | Case Size | Capacitance Code | Capacitance Tolerance | Voltage Code | ESR | Packaging | Inspection Level | Reliability Grade | Qualification Level | Termination Finish | Surge Test Option |
| | | pF code: 1st two digits represent significant figures 3rd digit represents multiplier (number of zeros to follow) | K = ±10% M = ±20% | 002 = 2Vdc 004 = 4Vdc 006 = 6.3Vdc 010 = 10Vdc 016 = 16Vdc 020 = 20Vdc 025 = 25Vdc 035 = 35Vdc 050 = 50Vdc | C = Std ESR L = Low ESR | B = Bulk R = 7" T&R S = 13" T&R W = Waffle | S = Std. Conformance L = Group A | Weibull: B = 0.1%/1000 hrs. 90% conf. C = 0.01%/1000 hrs. 90% conf. Z = Non-ER | 0 = N/A | H = Solder Plated 0 = Fused Solder Plated 8 = Hot Solder Dipped 9 = Gold Plated 7 = Matte Sn | 00 = None 23 = 10 Cycles, +25°C 24 = 10 Cycles, -55°C & +85°C 45 = 10 cycles, -55°C & +85°C before Weibull |



For RoHS compliant products, please select correct termination style.

TECHNICAL SPECIFICATIONS

| | | | | | | | | | | |
|------------------------------------|---|-----|-----|---|----|----|----|----|----|----|
| Technical Data: | Unless otherwise specified, all technical data relate to an ambient temperature of 25°C | | | | | | | | | |
| Capacitance Range: | 0.10 µF to 1500 µF | | | | | | | | | |
| Capacitance Tolerance: | ±10%; ±20% | | | | | | | | | |
| Rated Voltage (V _R) | ≤ 85°C: | 2 | 4 | 6 | 10 | 16 | 20 | 25 | 35 | 50 |
| Category Voltage (V _C) | ≤ 125°C: | 1.4 | 2.7 | 4 | 7 | 10 | 13 | 17 | 23 | 33 |
| Surge Voltage (V _S) | ≤ 85°C: | 2.6 | 5.2 | 8 | 13 | 20 | 26 | 32 | 46 | 65 |
| Surge Voltage (V _S) | ≤ 125°C: | 1.7 | 3.4 | 5 | 8 | 13 | 16 | 20 | 28 | 40 |
| Temperature Range: | -55°C to +125°C | | | | | | | | | |



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

| Capacitance | | Rated Voltage DC (V_R) to 85°C | | | | | | | | | |
|---------------|------|------------------------------------|-------------------------|--|---|----------|---|--|---|---|----------------------------|
| μF | Code | 2V (e) | 4V (G) | 6V (J) | 10V (A) | 15V (H) | 16V (C) | 20V (D) | 25V (E) | 35V (V) | 50V (T) |
| 0.10 | 104 | | | | | | | | | A(24000) | A(22000) |
| 0.15 | 154 | | | | | | | | | A(21000) | A(9000, 21000) B(17000) |
| 0.22 | 224 | | | | | | | | | A(6000, 18000) | A(7000, 18000) B(14000) |
| 0.33 | 334 | | | | | | | | | A(6000, 15000) | B(12000) |
| 0.47 | 474 | | | | | | | A(14000) | A(7000, 14000) | A(6000, 12000) B(4000, 10000) | C(8000) |
| 0.68 | 684 | | | | | A(12000) | A(12000) | A(12000) | A(6000, 10000) B(7500) | A(6000, 8000) B(8000) | A(7900) C(7000) |
| 1.0 | 105 | | | | A(10000) | A(10000) | A(10000) | A(3000, 10000) | A(8000) B(6500) | A(3000, 7500) B(2000, 6500) | C(2500, 6000) |
| 1.5 | 155 | | | A(8000) | A(8000) | A(8000) | | A(6500) B(6000) | A(3000, 7500) B(1800, 6500) | A(7500) B(2500, 5200) C(4500) | C(1500, 5000) D(4000) |
| 2.2 | 225 | | A(8000) | A(8000) | A(1800, 8000) | B(5500) | A(1800, 5500) B(5000) | A(3000, 5300) B(5000) | A(7000) B(900, 4500) C(3500) | A(1500, 4500) B(2000, 4200) C(1000, 3500) | D(1200, 2500) |
| 3.3 | 335 | | | A(8000) | B(5500) | B(5000) | A(3500, 5000) B(4500) | A(2500) B(1300, 4000) | A(2800) B(750, 3500) C(3500) | B(1000, 3500) C(700, 2500) | D(800, 2000) |
| 4.7 | 475 | | A(8000) | B(5500) | A(1400, 5000) B(4500) | B(4000) | A(2000, 4000) B(800, 3100) | A(1800, 4000) B(750, 3000) C(3000) | B(1500, 2300) C(2500) | B(700, 3100) C(600, 2200) D(500, 1500) | D(300, 1500) |
| 6.8 | 685 | | B(5500) | A(1800, 5000) B(4500) | A(1800, 4000) B(3500) | | A(1500, 2500) B(60, 2500) | A(1000) B(600, 2500) C(700, 2400) | B(700, 2800) C(500, 2000) D(1400) | C(350, 1800) D(500, 1300) | D(500, 1000) |
| 10 | 106 | | B(4000) | A(1500, 4000) B(3500) | A(1800, 3000) B(2500) | C(2500) | A(1000, 3000) B(500, 2800) C(500, 2500) | B(1000, 2100) C(500, 1900) | C(500, 1800) D(1200) | C(600, 1600) D(300, 1000) E(200, 250) | E(400, 500) V(650) |
| 15 | 156 | | B(3500) | A(1500, 3500) B(3500) C(3000) | A(1000, 3200) B(450, 2800) C(2500) | | B(800, 2500) C(1800) | B(500, 2000) C(400, 1700) D(1100) | C(220, 300) D(300, 1000) | C(350, 1400) D(300, 900) | D(600) E(250, 600) |
| 22 | 226 | | | A(500, 3000) B(375, 2500) C(2200) | B(700, 2400) C(300, 1000) | D(1100) | B(600, 2300) C(375, 1600) D(1100) | B(400, 600) C(150, 1600) D(200, 900) | C(275, 1400) D(200, 900) | D(400, 900) E(300, 900) | V(390, 600) |
| 33 | 336 | | A(3000) C(2200) | A(600) B(600, 2200) | A(700, 1700) B(250, 1800) C(150, 1600) D(1100) | D(900) | B(350) C(300, 1500) D(200, 900) | C(300, 1500) D(100, 900) | D(100, 900) E(300, 900) | D(300, 900) E(100, 250) V(200) | |
| 47 | 476 | | A(500) | A(800) B(250, 350) C(300, 1600) D(1100) | B(250, 350) C(200, 1200) D(100, 900) | | C(350, 1500) D(150, 900) | D(100, 200) E(70, 250) | D(250, 900) E(80, 100) | E(200, 250) V(200, 400) | |
| 68 | 686 | | D(1100) | B(250, 1800) C(150, 1600) D(900) | B(600) C(80, 1200) D(100, 900) | | C(125, 200) D(70, 900) | D(70, 900) E(150, 900) | E(125, 200) V(95) | V(150, 200) | |
| 100 | 107 | | A(1400) B(200, 1600) | B(250, 400) C(150, 900) D(900) | B(400) C(200, 1200) D(100, 900) E(125) | | D(125, 900) E(100, 900) | D(85, 100) E(100, 150) V(85, 200) | V(100) | | |
| 150 | 157 | B(150) | B(250) C(70, 80) | C(50, 90) D(50, 900) | D(150, 900) E(100) | | D(150, 900) E(100, 300) V(45, 75) | E(300) V(80) | | | |
| 220 | 227 | B(150, 200) D(45) | D(40, 900) | C(70, 1200) D(100, 900) E(100) | D(150, 900) E(100, 900) | | E(100, 150) V(75, 150) | | | | |
| 330 | 337 | | C(100) D(35, 45) | D(45, 50) E(100, 900) V(100) | D(150, 900) E(60, 900) V(60, 100) | | | | | | |
| 470 | 477 | D(35) | D(45, 100) E(35) | D(45, 60) E(50, 900) V(55, 100) | E(50, 900) V(60, 100) | | | | | | |
| 680 | 687 | D(35, 50) E(35, 50) | D(45, 60) E(40, 60) | E(45, 60) V(35, 40) | | | | | | | |
| 1000 | 108 | E(30, 40) | E(60) V(25, 35) | V(40, 50) | | | | | | | |
| 1500 | 158 | D(100) E(50) V(30, 40) | E(50, 75) V(50, 75) | | | | | | | | |

Available Ratings: ESR limits quoted in brackets (mOhms)

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

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

| RATING & PART NUMBER REFERENCE | Parametric Specifications by Rating per MIL-PRF-55365/4 | | | | | | | | | | Typical RMS Ripple Data by Rating | | | | | | | | | | | | | | | |
|--------------------------------|---|------------------|--------------|---------|--------|-------------------|---------------------|---------------------|----------------------|---------------------|-----------------------------------|----------------------|------------|--------------------------|-------------|-----------------|--------------------|-------------------|---------------------|---------------------|----------------------|---------------------|---------------------|----------------------|----------|----------|
| | Cap @ 120Hz | DC Rated Voltage | ESR @ 100kHz | DCL max | DF Max | Power Dissipation | 25°C Ripple Current | 85°C Ripple Current | 125°C Ripple Current | 25°C Ripple Voltage | 85°C Ripple Voltage | 125°C Ripple Voltage | Cap @ 25°C | DC Rated Voltage @ +85°C | ESR @ +25°C | DCL max @ +85°C | DF Max (+85/125)°C | Power Dissipation | 25°C Ripple Current | 85°C Ripple Current | 125°C Ripple Current | 25°C Ripple Voltage | 85°C Ripple Voltage | 125°C Ripple Voltage | | |
| | µF | V | Ohms | (µA) | (%) | W | (100kHz) | (100kHz) | (100kHz) | (100kHz) | (100kHz) | (100kHz) | µF | (µA) | (%) | (%) | W | (100kHz) | (100kHz) | (100kHz) | (100kHz) | (100kHz) | (100kHz) | (100kHz) | (100kHz) | (100kHz) |
| AVX COTS-Plus P/N | Case | | | | | | | | | | | | | | | | | | | | | | | | | |
| TBJ157*002L#00++ | B | 150 | 2 | 0.15 | 3 | 60 | 30 | 10 | 12 | 14 | 0.085 | 0.753 | 0.677 | 0.301 | 0.113 | 0.102 | 0.045 | | | | | | | | | |
| TBJ227*002CL#00++ | B | 220 | 2 | 0.2 | 4.4 | 44 | 44 | 16 | 19 | 21 | 0.085 | 0.682 | 0.587 | 0.261 | 0.130 | 0.117 | 0.052 | | | | | | | | | |
| TBJ227*002LL#00++ | B | 220 | 2 | 0.15 | 4.4 | 44 | 44 | 88 | 16 | 19 | 0.085 | 0.753 | 0.677 | 0.301 | 0.130 | 0.117 | 0.052 | | | | | | | | | |
| TBJD227*002LL#00++ | D | 220 | 2 | 0.045 | 4.4 | 44 | 44 | 88 | 8 | 10 | 0.150 | 1.826 | 1.643 | 0.730 | 0.082 | 0.074 | 0.033 | | | | | | | | | |
| TBJD477*002LL#00++ | D | 470 | 2 | 0.035 | 9.4 | 94 | 94 | 188 | 8 | 10 | 0.150 | 2.070 | 1.863 | 0.828 | 0.072 | 0.065 | 0.029 | | | | | | | | | |
| TBJD687*002CL#00++ | D | 680 | 2 | 0.05 | 13.6 | 136 | 136 | 272 | 16 | 19 | 0.150 | 1.732 | 1.559 | 0.693 | 0.087 | 0.078 | 0.035 | | | | | | | | | |
| TBJD687*002LL#00++ | D | 680 | 2 | 0.035 | 13.6 | 136 | 136 | 272 | 16 | 19 | 0.150 | 2.070 | 1.863 | 0.828 | 0.072 | 0.065 | 0.029 | | | | | | | | | |
| TBJE687*002CL#00++ | E | 680 | 2 | 0.05 | 13.6 | 136 | 136 | 272 | 10 | 12 | 0.165 | 1.817 | 1.635 | 0.727 | 0.091 | 0.082 | 0.036 | | | | | | | | | |
| TBJE687*002LL#00++ | E | 680 | 2 | 0.035 | 13.6 | 136 | 136 | 272 | 10 | 12 | 0.165 | 2.171 | 1.954 | 0.868 | 0.076 | 0.068 | 0.030 | | | | | | | | | |
| TBJE108*002CL#00++ | E | 1000 | 2 | 0.04 | 20 | 200 | 200 | 400 | 14 | 17 | 0.165 | 2.031 | 1.828 | 0.812 | 0.081 | 0.073 | 0.030 | | | | | | | | | |
| TBJE108*002LL#00++ | E | 1000 | 2 | 0.03 | 20 | 200 | 200 | 400 | 14 | 17 | 0.165 | 2.345 | 2.111 | 0.938 | 0.070 | 0.063 | 0.028 | | | | | | | | | |
| TBJD158*002LL#00++ | D | 1500 | 2 | 0.1 | 30 | 300 | 300 | 600 | 20 | 24 | 0.150 | 1.225 | 1.102 | 0.490 | 0.122 | 0.110 | 0.049 | | | | | | | | | |
| TBJE158*002LL#00++ | E | 1500 | 2 | 0.05 | 30 | 300 | 300 | 600 | 20 | 24 | 0.165 | 1.817 | 1.635 | 0.727 | 0.091 | 0.082 | 0.036 | | | | | | | | | |
| TBJV158*002CL#00++ | V | 1500 | 2 | 0.04 | 30 | 300 | 300 | 600 | 20 | 24 | 0.250 | 2.500 | 2.250 | 1.000 | 0.100 | 0.090 | 0.040 | | | | | | | | | |
| TBJV158*002LL#00++ | V | 1500 | 2 | 0.03 | 30 | 300 | 300 | 600 | 20 | 24 | 0.250 | 2.887 | 2.598 | 1.155 | 0.075 | 0.078 | 0.035 | | | | | | | | | |
| TBJA25*004C#00++ | A | 2.2 | 4 | 8 | 0.088 | 0.88 | 1.76 | 6 | 6 | 9 | 0.075 | 0.097 | 0.087 | 0.039 | 0.075 | 0.069 | 0.310 | | | | | | | | | |
| TBJA475*004C#00++ | A | 4.7 | 4 | 8 | 0.188 | 1.88 | 3.76 | 6 | 6 | 9 | 0.075 | 0.097 | 0.087 | 0.039 | 0.075 | 0.069 | 0.310 | | | | | | | | | |
| TBJB685*004C#00++ | B | 6.8 | 4 | 5.5 | 0.272 | 2.72 | 5.44 | 8 | 6 | 9 | 0.085 | 0.146 | 0.131 | 0.058 | 0.583 | 0.525 | 0.233 | | | | | | | | | |
| TBJB106*004C#00++ | B | 10 | 4 | 4 | 0.4 | 4 | 4 | 8 | 6 | 9 | 0.085 | 0.156 | 0.140 | 0.062 | 0.545 | 0.491 | 0.218 | | | | | | | | | |
| TBJB156*004C#00++ | B | 15 | 4 | 3.5 | 0.6 | 6 | 6 | 12 | 6 | 9 | 0.085 | 0.156 | 0.140 | 0.062 | 0.545 | 0.491 | 0.218 | | | | | | | | | |
| TBJA336*004C#00++ | A | 33 | 4 | 3 | 1.32 | 13.2 | 26.4 | 6 | 6 | 9 | 0.075 | 0.124 | 0.112 | 0.050 | 0.884 | 0.615 | 0.273 | | | | | | | | | |
| TBJC336*004C#00++ | C | 33 | 4 | 2.2 | 1.32 | 13.2 | 26.4 | 6 | 6 | 9 | 0.110 | 0.224 | 0.201 | 0.089 | 0.492 | 0.443 | 0.197 | | | | | | | | | |
| TBJA476*004LL#00++ | A | 47 | 4 | 0.5 | 1.88 | 18.8 | 37.6 | 8 | 10 | 12 | 0.075 | 0.387 | 0.349 | 0.155 | 0.194 | 0.174 | 0.077 | | | | | | | | | |
| TBJC686*004C#00++ | C | 68 | 4 | 1.6 | 2.72 | 27.2 | 54.4 | 6 | 6 | 9 | 0.150 | 0.236 | 0.236 | 0.105 | 0.420 | 0.378 | 0.168 | | | | | | | | | |
| TBJD686*004C#00++ | D | 68 | 4 | 1.1 | 2.72 | 27.2 | 54.4 | 6 | 6 | 9 | 0.150 | 0.369 | 0.332 | 0.148 | 0.406 | 0.366 | 0.162 | | | | | | | | | |
| TBJA107*004C#00++ | A | 100 | 4 | 1.4 | 4 | 4 | 4 | 80 | 30 | 36 | 0.075 | 0.231 | 0.208 | 0.093 | 0.324 | 0.292 | 0.130 | | | | | | | | | |
| TBJB107*004C#00++ | B | 100 | 4 | 1.6 | 4 | 4 | 4 | 80 | 30 | 36 | 0.085 | 0.230 | 0.207 | 0.093 | 0.324 | 0.292 | 0.130 | | | | | | | | | |
| TBJB107*004LL#00++ | B | 100 | 4 | 0.2 | 4 | 4 | 4 | 80 | 8 | 10 | 0.085 | 0.632 | 0.587 | 0.261 | 0.130 | 0.117 | 0.052 | | | | | | | | | |
| TBJB157*004C#00++ | B | 150 | 4 | 0.25 | 6 | 60 | 120 | 10 | 10 | 12 | 0.085 | 0.583 | 0.525 | 0.233 | 0.146 | 0.131 | 0.058 | | | | | | | | | |
| TBJC157*004C#00++ | C | 150 | 4 | 0.08 | 6 | 60 | 120 | 10 | 10 | 12 | 0.110 | 1.173 | 1.056 | 0.469 | 0.094 | 0.084 | 0.038 | | | | | | | | | |
| TBJC157*004LL#00++ | C | 150 | 4 | 0.07 | 6 | 60 | 120 | 6 | 6 | 9 | 0.110 | 1.254 | 1.128 | 0.501 | 0.088 | 0.079 | 0.035 | | | | | | | | | |
| TBJD227*004C#00++ | D | 220 | 4 | 0.9 | 8.8 | 88 | 176 | 8 | 8 | 10 | 0.150 | 0.408 | 0.367 | 0.163 | 0.367 | 0.331 | 0.147 | | | | | | | | | |
| TBJD227*004LL#00++ | D | 220 | 4 | 0.04 | 8.8 | 88 | 176 | 8 | 8 | 10 | 0.150 | 1.936 | 1.743 | 0.775 | 0.077 | 0.070 | 0.031 | | | | | | | | | |
| TBJC337*004LL#00++ | C | 330 | 4 | 0.1 | 13.2 | 132 | 264 | 8 | 10 | 12 | 0.110 | 1.049 | 0.944 | 0.420 | 0.105 | 0.094 | 0.042 | | | | | | | | | |
| TBJD337*004C#00++ | D | 330 | 4 | 0.045 | 13.2 | 132 | 264 | 8 | 10 | 12 | 0.150 | 1.826 | 1.643 | 0.730 | 0.082 | 0.074 | 0.033 | | | | | | | | | |
| TBJD337*004LL#00++ | D | 330 | 4 | 0.035 | 13.2 | 132 | 264 | 8 | 10 | 12 | 0.150 | 2.070 | 1.863 | 0.828 | 0.072 | 0.065 | 0.029 | | | | | | | | | |
| TBJD477*004C#00++ | D | 470 | 4 | 0.1 | 18.8 | 188 | 376 | 16 | 16 | 18 | 0.150 | 1.225 | 1.102 | 0.490 | 0.122 | 0.110 | 0.049 | | | | | | | | | |
| TBJD477*004LL#00++ | D | 470 | 4 | 0.045 | 18.8 | 188 | 376 | 16 | 16 | 18 | 0.150 | 1.826 | 1.643 | 0.730 | 0.082 | 0.074 | 0.033 | | | | | | | | | |
| TBJE477*004LL#00++ | E | 470 | 4 | 0.035 | 18.8 | 188 | 376 | 16 | 16 | 18 | 0.165 | 2.171 | 1.954 | 0.868 | 0.076 | 0.068 | 0.030 | | | | | | | | | |
| TBJD687*004C#00++ | D | 680 | 4 | 0.06 | 27.2 | 272 | 544 | 14 | 14 | 17 | 0.150 | 1.581 | 1.423 | 0.632 | 0.095 | 0.085 | 0.038 | | | | | | | | | |
| TBJD687*004LL#00++ | D | 680 | 4 | 0.045 | 27.2 | 272 | 544 | 14 | 14 | 17 | 0.150 | 1.826 | 1.643 | 0.730 | 0.082 | 0.074 | 0.033 | | | | | | | | | |
| TBJE687*004C#00++ | E | 680 | 4 | 0.06 | 27.2 | 272 | 544 | 14 | 14 | 17 | 0.165 | 1.658 | 1.492 | 0.663 | 0.099 | 0.090 | 0.040 | | | | | | | | | |
| TBJE687*004LL#00++ | E | 680 | 4 | 0.04 | 27.2 | 272 | 544 | 14 | 14 | 17 | 0.165 | 2.031 | 1.828 | 0.812 | 0.081 | 0.073 | 0.032 | | | | | | | | | |
| TBJE108*004LL#00++ | E | 1000 | 4 | 0.06 | 40 | 400 | 800 | 14 | 14 | 17 | 0.165 | 1.658 | 1.492 | 0.663 | 0.099 | 0.090 | 0.040 | | | | | | | | | |
| TBJV108*004C#00++ | V | 1000 | 4 | 0.035 | 40 | 400 | 800 | 16 | 19 | 21 | 0.250 | 2.673 | 2.405 | 1.089 | 0.094 | 0.084 | 0.037 | | | | | | | | | |
| TBJV108*004LL#00++ | V | 1000 | 4 | 0.025 | 40 | 400 | 800 | 16 | 18 | 20 | 0.250 | 3.162 | 2.846 | 1.265 | 0.079 | 0.071 | 0.032 | | | | | | | | | |
| TBJE158*004C#00++ | E | 1500 | 4 | 0.075 | 60 | 600 | 1200 | 30 | 36 | 42 | 0.165 | 1.483 | 1.335 | 0.593 | 0.111 | 0.100 | 0.044 | | | | | | | | | |
| TBJE158*004LL#00++ | E | 1500 | 4 | 0.05 | 60 | 600 | 1200 | 30 | 36 | 42 | 0.165 | 1.817 | 1.635 | 0.727 | 0.091 | 0.082 | 0.036 | | | | | | | | | |
| TBJV158*004C#00++ | V | 1500 | 4 | 0.075 | 60 | 600 | 1200 | 30 | 36 | 42 | 0.250 | 1.826 | 1.643 | 0.730 | 0.137 | 0.123 | 0.055 | | | | | | | | | |
| TBJV158*004LL#00++ | V | 1500 | 4 | 0.05 | 60 | 600 | 1200 | 30 | 36 | 42 | 0.250 | 2.236 | 2.012 | 0.894 | 0.112 | 0.101 | 0.045 | | | | | | | | | |
| TBJA155*006C#00++ | A | 1.5 | 6 | 8 | 0.09 | 0.9 | 1.08 | 6 | 6 | 9 | 0.075 | 0.097 | 0.087 | 0.039 | 0.075 | 0.069 | 0.310 | | | | | | | | | |
| TBJA25*006C#00++ | A | 2.2 | 6 | 8 | 0.132 | 1.564 | 6 | 6 | 9 | 9 | 0.075 | 0.097 | 0.087 | 0.039 | 0.075 | 0.069 | 0.310 | | | | | | | | | |
| TBJA335*006C#00++ | A | 3.3 | 6 | 8 | 0.198 | 1.98 | 2.376 | 6 | 6 | 9 | 0.075 | 0.097 | 0.087 | 0.039 | 0.075 | 0.069 | 0.310 | | | | | | | | | |
| TBJA475*006C#00++ | A | 4.7 | 6 | 5.5 | 0.282 | 2.82 | 3.384 | 6 | 6 | 9 | 0.085 | 0.122 | 0.112 | 0.050 | 0.884 | 0.615 | 0.273 | | | | | | | | | |
| TBJA685*006C#00++ | A | 6.8 | 6 | 5 | 0.408 | 4.08 | 8.16 | 6 | 6 | 9 | 0.075 | 0.122 | 0.112 | 0.050 | 0.884 | 0.615 | 0.273 | | | | | | | | | |
| TBJA685*006LL#00++ | A | 6.8 | 6 | 1.8 | 0.408 | 4.08 | 8.16 | 6 | 6 | 9 | 0.075 | 0.204 | 0.184 | 0.082 | 0.367 | 0.331 | 0.147 | | | | | | | | | |

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.

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.

| RATING & PART NUMBER REFERENCE | | Parametric Specifications by Rating per MIL-PRF-55365/4 | | | | | | | | | | Typical RMS Ripple Data by Rating | | | | | | | | | |
|--------------------------------|------|---|------------------|--------------|---------|-------|-------|--------|-------|-------|--------|-----------------------------------|-------|-------|-------|-------|------|-------|--|--|--|
| | | Cap @ 25°C | DC Rated Voltage | ESR @ 100kHz | DCL max | +25°C | +85°C | +125°C | +25°C | -55°C | DF Max | Power Dissipation | 25°C | 85°C | 125°C | 25°C | 85°C | 125°C | | | |
| AVX COTS-Plus P/N | Case | µF | V | Ohms | (µA) | (µA) | (µA) | (%) | (%) | (%) | W | A | A | A | V | V | V | | | | |
| TBJB685*006CJ#00++ | B | 6.8 | 6 | 4.5 | 4.08 | 4.886 | 6 | 9 | 9 | 0.085 | 0.137 | 0.124 | 0.055 | 0.618 | 0.557 | 0.247 | | | | | |
| TBJA106*006CJ#00++ | A | 10 | 6 | 4 | 6 | 12 | 6 | 9 | 9 | 0.075 | 0.137 | 0.123 | 0.055 | 0.548 | 0.493 | 0.219 | | | | | |
| TBJA106*006LJ#00++ | A | 10 | 6 | 1.5 | 0.6 | 6 | 12 | 6 | 9 | 0.075 | 0.137 | 0.123 | 0.055 | 0.548 | 0.493 | 0.219 | | | | | |
| TBJA106*006CJ#00++ | B | 10 | 6 | 3.5 | 0.6 | 7.2 | 6 | 9 | 9 | 0.085 | 0.156 | 0.140 | 0.062 | 0.545 | 0.491 | 0.218 | | | | | |
| TBJA156*006CJ#00++ | A | 15 | 6 | 3.5 | 0.9 | 18 | 6 | 9 | 9 | 0.075 | 0.146 | 0.132 | 0.059 | 0.512 | 0.461 | 0.205 | | | | | |
| TBJA156*006LJ#00++ | A | 15 | 6 | 1.5 | 0.9 | 18 | 6 | 9 | 9 | 0.075 | 0.146 | 0.132 | 0.059 | 0.512 | 0.461 | 0.205 | | | | | |
| TBJB156*006CJ#00++ | B | 15 | 6 | 3.5 | 0.225 | 2.25 | 4.5 | 6 | 9 | 0.085 | 0.156 | 0.140 | 0.062 | 0.545 | 0.491 | 0.218 | | | | | |
| TBJC156*006CJ#00++ | C | 15 | 6 | 3 | 0.9 | 10.8 | 6 | 9 | 9 | 0.110 | 0.191 | 0.172 | 0.077 | 0.574 | 0.517 | 0.230 | | | | | |
| TBJA226*006CJ#00++ | A | 22 | 6 | 3 | 1.32 | 13.2 | 26.4 | 6 | 9 | 0.075 | 0.158 | 0.142 | 0.063 | 0.474 | 0.427 | 0.190 | | | | | |
| TBJA226*006LJ#00++ | A | 22 | 6 | 0.5 | 1.32 | 13.2 | 26.4 | 6 | 9 | 0.075 | 0.158 | 0.142 | 0.063 | 0.474 | 0.427 | 0.190 | | | | | |
| TBJB226*006CJ#00++ | B | 22 | 6 | 2.5 | 1.32 | 13.2 | 26.4 | 6 | 9 | 0.085 | 0.184 | 0.166 | 0.074 | 0.461 | 0.415 | 0.184 | | | | | |
| TBJB226*006LJ#00++ | B | 22 | 6 | 0.375 | 1.32 | 13.2 | 26.4 | 6 | 9 | 0.085 | 0.184 | 0.166 | 0.074 | 0.461 | 0.415 | 0.184 | | | | | |
| TBJC226*006CJ#00++ | C | 22 | 6 | 2.2 | 1.32 | 13.2 | 26.4 | 6 | 9 | 0.110 | 0.224 | 0.201 | 0.089 | 0.492 | 0.443 | 0.197 | | | | | |
| TBJA336*006LJ#00++ | A | 33 | 6 | 0.6 | 1.98 | 19.8 | 39.6 | 8 | 10 | 0.075 | 0.354 | 0.318 | 0.141 | 0.212 | 0.191 | 0.085 | | | | | |
| TBJB336*006CJ#00++ | B | 33 | 6 | 2.2 | 1.98 | 19.8 | 39.6 | 6 | 9 | 0.085 | 0.197 | 0.177 | 0.079 | 0.432 | 0.389 | 0.173 | | | | | |
| TBJB336*006LJ#00++ | B | 33 | 6 | 0.6 | 1.98 | 19.8 | 39.6 | 6 | 9 | 0.085 | 0.197 | 0.177 | 0.079 | 0.432 | 0.389 | 0.173 | | | | | |
| TBJA476*006LJ#00++ | A | 47 | 6 | 0.8 | 2.82 | 28.2 | 56.4 | 10 | 12 | 0.075 | 0.306 | 0.276 | 0.122 | 0.245 | 0.220 | 0.098 | | | | | |
| TBJB476*006CJ#00++ | B | 47 | 6 | 0.35 | 2.82 | 28.2 | 56.4 | 6 | 9 | 0.085 | 0.493 | 0.444 | 0.197 | 0.172 | 0.155 | 0.069 | | | | | |
| TBJB476*006LJ#00++ | B | 47 | 6 | 0.25 | 2.82 | 28.2 | 56.4 | 6 | 9 | 0.085 | 0.493 | 0.444 | 0.197 | 0.172 | 0.155 | 0.069 | | | | | |
| TBJC476*006CJ#00++ | C | 47 | 6 | 1.6 | 2.82 | 28.2 | 56.4 | 6 | 9 | 0.110 | 0.282 | 0.236 | 0.105 | 0.420 | 0.378 | 0.168 | | | | | |
| TBJC476*006LJ#00++ | C | 47 | 6 | 0.3 | 2.82 | 28.2 | 56.4 | 6 | 9 | 0.110 | 0.282 | 0.236 | 0.105 | 0.420 | 0.378 | 0.168 | | | | | |
| TBJD476*006CJ#00++ | D | 47 | 6 | 1.1 | 2.82 | 28.2 | 56.4 | 6 | 9 | 0.150 | 0.369 | 0.332 | 0.148 | 0.406 | 0.366 | 0.162 | | | | | |
| TBJB686*006CJ#00++ | B | 68 | 6 | 1.8 | 4.08 | 40.8 | 81.6 | 8 | 10 | 0.085 | 0.217 | 0.196 | 0.087 | 0.391 | 0.352 | 0.156 | | | | | |
| TJB686*006LJ#00++ | B | 68 | 6 | 0.25 | 4.08 | 40.8 | 81.6 | 8 | 10 | 0.085 | 0.217 | 0.196 | 0.087 | 0.391 | 0.352 | 0.156 | | | | | |
| TBJC686*006CJ#00++ | C | 68 | 6 | 1.6 | 4.08 | 40.8 | 81.6 | 6 | 9 | 0.110 | 0.282 | 0.236 | 0.105 | 0.420 | 0.378 | 0.168 | | | | | |
| TBJC686*006LJ#00++ | C | 68 | 6 | 0.15 | 4.08 | 40.8 | 81.6 | 6 | 9 | 0.110 | 0.282 | 0.236 | 0.105 | 0.420 | 0.378 | 0.168 | | | | | |
| TBJD686*006CJ#00++ | D | 68 | 6 | 0.9 | 4.08 | 40.8 | 81.6 | 6 | 9 | 0.150 | 0.408 | 0.367 | 0.163 | 0.367 | 0.331 | 0.147 | | | | | |
| TBJD686*006LJ#00++ | D | 68 | 6 | 0.4 | 4.08 | 40.8 | 81.6 | 6 | 9 | 0.150 | 0.408 | 0.367 | 0.163 | 0.367 | 0.331 | 0.147 | | | | | |
| TBJB107*006CJ#00++ | B | 100 | 6 | 0.25 | 6 | 60 | 120 | 10 | 12 | 0.085 | 0.461 | 0.415 | 0.184 | 0.184 | 0.166 | 0.074 | | | | | |
| TBJB107*006LJ#00++ | B | 100 | 6 | 0.9 | 6 | 60 | 120 | 10 | 12 | 0.085 | 0.461 | 0.415 | 0.184 | 0.184 | 0.166 | 0.074 | | | | | |
| TBJC107*006CJ#00++ | C | 100 | 6 | 0.15 | 6 | 60 | 120 | 6 | 9 | 0.110 | 0.350 | 0.315 | 0.140 | 0.315 | 0.283 | 0.126 | | | | | |
| TBJC107*006LJ#00++ | C | 100 | 6 | 0.15 | 6 | 60 | 120 | 6 | 9 | 0.110 | 0.350 | 0.315 | 0.140 | 0.315 | 0.283 | 0.126 | | | | | |
| TBJD107*006CJ#00++ | D | 100 | 6 | 0.9 | 6 | 60 | 120 | 6 | 9 | 0.150 | 0.408 | 0.367 | 0.163 | 0.367 | 0.331 | 0.147 | | | | | |
| TBJD107*006LJ#00++ | D | 100 | 6 | 0.09 | 6 | 60 | 120 | 6 | 9 | 0.150 | 0.408 | 0.367 | 0.163 | 0.367 | 0.331 | 0.147 | | | | | |
| TBJE157*006CJ#00++ | C | 150 | 6 | 0.05 | 9 | 90 | 180 | 6 | 9 | 0.110 | 1.06 | 0.996 | 0.442 | 0.999 | 0.909 | 0.040 | | | | | |
| TBJE157*006LJ#00++ | C | 150 | 6 | 0.05 | 9 | 90 | 180 | 6 | 9 | 0.110 | 1.06 | 0.996 | 0.442 | 0.999 | 0.909 | 0.040 | | | | | |
| TBJD157*006CJ#00++ | D | 150 | 6 | 0.9 | 9 | 90 | 180 | 6 | 9 | 0.150 | 0.408 | 0.367 | 0.163 | 0.367 | 0.331 | 0.147 | | | | | |
| TBJD157*006LJ#00++ | D | 150 | 6 | 0.05 | 9 | 90 | 180 | 6 | 9 | 0.150 | 0.408 | 0.367 | 0.163 | 0.367 | 0.331 | 0.147 | | | | | |
| TBJE227*006CJ#00++ | C | 220 | 6 | 1.2 | 13.2 | 132 | 264 | 10 | 12 | 0.110 | 1.32 | 1.254 | 0.501 | 0.888 | 0.079 | 0.035 | | | | | |
| TBJE227*006LJ#00++ | C | 220 | 6 | 0.07 | 13.2 | 132 | 264 | 8 | 10 | 0.110 | 1.32 | 1.254 | 0.501 | 0.888 | 0.079 | 0.035 | | | | | |
| TBJD227*006CJ#00++ | D | 220 | 6 | 0.9 | 13.2 | 132 | 264 | 8 | 10 | 0.150 | 0.408 | 0.367 | 0.163 | 0.367 | 0.331 | 0.147 | | | | | |
| TBJD227*006LJ#00++ | D | 220 | 6 | 0.1 | 13.2 | 132 | 264 | 8 | 10 | 0.150 | 0.408 | 0.367 | 0.163 | 0.367 | 0.331 | 0.147 | | | | | |
| TBJE337*006CJ#00++ | E | 330 | 6 | 0.045 | 19.8 | 198 | 396 | 8 | 10 | 0.150 | 1.32 | 1.254 | 0.501 | 0.888 | 0.079 | 0.035 | | | | | |
| TBJE337*006LJ#00++ | E | 330 | 6 | 0.9 | 19.8 | 198 | 396 | 8 | 10 | 0.150 | 1.32 | 1.254 | 0.501 | 0.888 | 0.079 | 0.035 | | | | | |
| TBJE337*006CJ#00++ | E | 330 | 6 | 0.1 | 19.8 | 198 | 396 | 8 | 10 | 0.150 | 1.32 | 1.254 | 0.501 | 0.888 | 0.079 | 0.035 | | | | | |
| TBJE337*006LJ#00++ | E | 330 | 6 | 0.045 | 19.8 | 198 | 396 | 8 | 10 | 0.150 | 1.32 | 1.254 | 0.501 | 0.888 | 0.079 | 0.035 | | | | | |
| TBJD477*006CJ#00++ | D | 470 | 6 | 0.06 | 28.2 | 282 | 564 | 12 | 14 | 0.150 | 1.581 | 1.423 | 0.632 | 0.995 | 0.085 | 0.038 | | | | | |
| TBJD477*006LJ#00++ | D | 470 | 6 | 0.045 | 28.2 | 282 | 564 | 12 | 14 | 0.150 | 1.581 | 1.423 | 0.632 | 0.995 | 0.085 | 0.038 | | | | | |
| TBJE477*006CJ#00++ | E | 470 | 6 | 0.9 | 28.2 | 282 | 564 | 10 | 12 | 0.165 | 1.643 | 1.493 | 0.730 | 1.082 | 0.074 | 0.033 | | | | | |
| TBJE477*006LJ#00++ | E | 470 | 6 | 0.05 | 28.2 | 282 | 564 | 10 | 12 | 0.165 | 1.643 | 1.493 | 0.730 | 1.082 | 0.074 | 0.033 | | | | | |
| TBJA477*006CJ#00++ | V | 470 | 6 | 0.1 | 28.2 | 282 | 564 | 10 | 12 | 0.165 | 1.817 | 1.635 | 0.727 | 0.991 | 0.082 | 0.036 | | | | | |
| TBJA477*006LJ#00++ | V | 470 | 6 | 0.055 | 28.2 | 282 | 564 | 10 | 12 | 0.165 | 1.817 | 1.635 | 0.727 | 0.991 | 0.082 | 0.036 | | | | | |
| TBJE687*006CJ#00++ | E | 680 | 6 | 0.06 | 40.8 | 408 | 816 | 10 | 12 | 0.165 | 1.668 | 1.492 | 0.663 | 0.999 | 0.090 | 0.040 | | | | | |
| TBJE687*006LJ#00++ | E | 680 | 6 | 0.045 | 40.8 | 408 | 816 | 10 | 12 | 0.165 | 1.668 | 1.492 | 0.663 | 0.999 | 0.090 | 0.040 | | | | | |
| TBJA687*006CJ#00++ | V | 680 | 6 | 0.045 | 40.8 | 408 | 816 | 10 | 12 | 0.250 | 2.500 | 2.250 | 1.000 | 1.000 | 0.090 | 0.040 | | | | | |
| TBJA687*006LJ#00++ | V | 680 | 6 | 0.035 | 40.8 | 408 | 816 | 14 | 17 | 0.250 | 2.673 | 2.405 | 1.069 | 0.094 | 0.084 | 0.037 | | | | | |

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.

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.

| RATING & PART NUMBER REFERENCE | Parametric Specifications by Rating per MIL-PRF-55365/4 | | | | | | | | | | Typical RMS Ripple Data by Rating | | | | | | | | |
|--------------------------------|---|------------------|--------------|--------------|-------------|-------------------|---------------------|---------------------|----------------------|---------------------|-----------------------------------|----------------------|---------------------|---------------------|----------------------|---------------------|---------------------|----------------------|--|
| | Cap @ 120Hz | DC Rated Voltage | ESR @ 100kHz | DCL max | DF Max | Power Dissipation | 25°C Ripple Current | 85°C Ripple Current | 125°C Ripple Current | 25°C Ripple Voltage | 85°C Ripple Voltage | 125°C Ripple Voltage | 25°C Ripple Current | 85°C Ripple Current | 125°C Ripple Current | 25°C Ripple Voltage | 85°C Ripple Voltage | 125°C Ripple Voltage | |
| | µF @ +25°C | V @ +85°C | Ohms @ +25°C | (µA) @ +85°C | (%) @ +25°C | W | A (100kHz) | A (100kHz) | A (100kHz) | V (100kHz) | V (100kHz) | V (100kHz) | A (100kHz) | A (100kHz) | A (100kHz) | V (100kHz) | V (100kHz) | V (100kHz) | |
| AVX COTS-Plus P/N | Case | | | | | | | | | | | | | | | | | | |
| TB1A108*0106CJ#00++ | V | 1000 | 6 | 0.05 | 60 | 600 | 1200 | 16 | 19 | 21 | 0.250 | 2.236 | 2.012 | 0.894 | 0.112 | 0.101 | 0.045 | | |
| TB1A108*006LJ#00++ | V | 1000 | 6 | 0.04 | 60 | 600 | 1200 | 16 | 19 | 21 | 0.250 | 2.500 | 2.250 | 1.000 | 0.100 | 0.090 | 0.040 | | |
| TB1A108*010CJ#00++ | A | 1 | 10 | 10 | 0.1 | 1 | 1.2 | 4 | 6 | 6 | 0.075 | 0.087 | 0.078 | 0.035 | 0.035 | 0.079 | 0.346 | | |
| TB1A155*010CJ#00++ | A | 1.5 | 10 | 8 | 0.15 | 1.5 | 1.8 | 6 | 6 | 6 | 0.075 | 0.087 | 0.087 | 0.035 | 0.075 | 0.097 | 0.310 | | |
| TB1A225*010CJ#00++ | A | 2.2 | 10 | 8 | 0.22 | 2.2 | 2.64 | 6 | 6 | 6 | 0.075 | 0.087 | 0.087 | 0.039 | 0.075 | 0.097 | 0.310 | | |
| TB1A225*010LL#00++ | A | 2.2 | 10 | 1.8 | 0.22 | 2.2 | 4.4 | 6 | 6 | 6 | 0.075 | 0.204 | 0.184 | 0.082 | 0.082 | 0.367 | 0.147 | | |
| TB1B335*010CJ#00++ | B | 3.3 | 10 | 5.5 | 0.33 | 3.3 | 3.96 | 6 | 6 | 6 | 0.085 | 0.124 | 0.112 | 0.050 | 0.050 | 0.684 | 0.615 | 0.273 | |
| TB1A475*010CJ#00++ | A | 4.7 | 10 | 5 | 0.47 | 4.7 | 9.4 | 6 | 6 | 6 | 0.075 | 0.122 | 0.110 | 0.049 | 0.049 | 0.612 | 0.551 | 0.245 | |
| TB1A475*010LL#00++ | A | 4.7 | 10 | 1.4 | 0.47 | 4.7 | 9.4 | 6 | 6 | 6 | 0.075 | 0.231 | 0.208 | 0.093 | 0.093 | 0.324 | 0.292 | 0.130 | |
| TB1B475*010CJ#00++ | B | 4.7 | 10 | 4.5 | 0.47 | 4.7 | 5.64 | 6 | 6 | 6 | 0.085 | 0.137 | 0.124 | 0.055 | 0.055 | 0.618 | 0.557 | 0.247 | |
| TB1A685*010CJ#00++ | A | 6.8 | 10 | 4 | 0.68 | 6.8 | 13.6 | 6 | 6 | 6 | 0.075 | 0.137 | 0.123 | 0.055 | 0.055 | 0.548 | 0.493 | 0.219 | |
| TB1A685*010LL#00++ | A | 6.8 | 10 | 1.8 | 0.68 | 6.8 | 13.6 | 6 | 6 | 6 | 0.075 | 0.204 | 0.184 | 0.082 | 0.082 | 0.367 | 0.331 | 0.147 | |
| TB1B685*010CJ#00++ | B | 6.8 | 10 | 3.5 | 0.68 | 6.8 | 8.16 | 6 | 6 | 6 | 0.085 | 0.156 | 0.140 | 0.062 | 0.062 | 0.545 | 0.491 | 0.218 | |
| TB1A106*010CJ#00++ | A | 10 | 10 | 3 | 1 | 10 | 20 | 6 | 6 | 6 | 0.075 | 0.158 | 0.142 | 0.063 | 0.063 | 0.474 | 0.427 | 0.190 | |
| TB1A106*010LL#00++ | A | 10 | 10 | 1.8 | 1 | 10 | 20 | 6 | 6 | 6 | 0.075 | 0.204 | 0.184 | 0.082 | 0.082 | 0.367 | 0.331 | 0.147 | |
| TB1B106*010CJ#00++ | B | 10 | 10 | 2.5 | 1 | 10 | 20 | 6 | 6 | 6 | 0.085 | 0.184 | 0.166 | 0.074 | 0.074 | 0.461 | 0.415 | 0.184 | |
| TB1A156*010CJ#00++ | A | 15 | 10 | 3.2 | 1.5 | 15 | 30 | 6 | 6 | 6 | 0.075 | 0.153 | 0.138 | 0.061 | 0.061 | 0.490 | 0.441 | 0.196 | |
| TB1A156*010LL#00++ | A | 15 | 10 | 1 | 1.5 | 15 | 30 | 6 | 6 | 6 | 0.075 | 0.274 | 0.246 | 0.110 | 0.110 | 0.274 | 0.246 | 0.110 | |
| TB1B156*010CJ#00++ | B | 15 | 10 | 2.8 | 1.5 | 15 | 30 | 6 | 6 | 6 | 0.085 | 0.174 | 0.157 | 0.070 | 0.070 | 0.488 | 0.439 | 0.195 | |
| TB1B156*010LL#00++ | B | 15 | 10 | 0.45 | 1.5 | 15 | 30 | 6 | 6 | 6 | 0.085 | 0.435 | 0.391 | 0.174 | 0.174 | 0.196 | 0.176 | 0.078 | |
| TB1C156*010CJ#00++ | C | 15 | 10 | 2.5 | 1.5 | 15 | 18 | 6 | 6 | 6 | 0.110 | 0.210 | 0.189 | 0.084 | 0.084 | 0.524 | 0.472 | 0.210 | |
| TB1B225*010CJ#00++ | B | 22 | 10 | 2.4 | 2.2 | 22 | 44 | 6 | 6 | 6 | 0.085 | 0.198 | 0.183 | 0.105 | 0.105 | 0.452 | 0.406 | 0.181 | |
| TB1C225*010CJ#00++ | C | 22 | 10 | 0.7 | 2.2 | 22 | 44 | 6 | 6 | 6 | 0.085 | 0.348 | 0.314 | 0.139 | 0.139 | 0.244 | 0.220 | 0.098 | |
| TB1C225*010LL#00++ | C | 22 | 10 | 1 | 2.2 | 22 | 44 | 6 | 6 | 6 | 0.110 | 0.332 | 0.298 | 0.133 | 0.133 | 0.242 | 0.182 | 0.073 | |
| TB1A336*010CJ#00++ | A | 33 | 10 | 1.7 | 3.3 | 33 | 66 | 6 | 6 | 6 | 0.075 | 0.210 | 0.189 | 0.084 | 0.084 | 0.357 | 0.321 | 0.143 | |
| TB1A336*010LL#00++ | A | 33 | 10 | 0.7 | 3.3 | 33 | 66 | 6 | 6 | 6 | 0.075 | 0.327 | 0.295 | 0.131 | 0.131 | 0.229 | 0.206 | 0.092 | |
| TB1B336*010CJ#00++ | B | 33 | 10 | 1.8 | 3.3 | 33 | 66 | 6 | 6 | 6 | 0.085 | 0.217 | 0.196 | 0.087 | 0.087 | 0.391 | 0.352 | 0.156 | |
| TB1B336*010LL#00++ | B | 33 | 10 | 0.25 | 3.3 | 33 | 66 | 6 | 6 | 6 | 0.085 | 0.583 | 0.525 | 0.233 | 0.233 | 0.146 | 0.131 | 0.058 | |
| TB1C336*010CJ#00++ | C | 33 | 10 | 1.6 | 3.3 | 33 | 66 | 6 | 6 | 6 | 0.110 | 0.262 | 0.236 | 0.105 | 0.105 | 0.378 | 0.343 | 0.168 | |
| TB1C336*010LL#00++ | C | 33 | 10 | 0.15 | 3.3 | 33 | 66 | 6 | 6 | 6 | 0.110 | 0.856 | 0.771 | 0.343 | 0.343 | 0.128 | 0.116 | 0.051 | |
| TB1D336*010CJ#00++ | D | 33 | 10 | 1.1 | 3.3 | 33 | 39.6 | 6 | 6 | 6 | 0.150 | 0.369 | 0.332 | 0.148 | 0.148 | 0.406 | 0.366 | 0.162 | |
| TB1B476*010CJ#00++ | B | 47 | 10 | 0.35 | 4.7 | 47 | 94 | 6 | 6 | 6 | 0.085 | 0.493 | 0.444 | 0.197 | 0.197 | 0.172 | 0.155 | 0.069 | |
| TB1B476*010LL#00++ | B | 47 | 10 | 0.25 | 4.7 | 47 | 94 | 6 | 6 | 6 | 0.085 | 0.525 | 0.483 | 0.233 | 0.233 | 0.146 | 0.131 | 0.058 | |
| TB1C476*010CJ#00++ | C | 47 | 10 | 1.2 | 4.7 | 47 | 94 | 6 | 6 | 6 | 0.110 | 0.303 | 0.272 | 0.121 | 0.121 | 0.363 | 0.327 | 0.145 | |
| TB1C476*010LL#00++ | C | 47 | 10 | 0.2 | 4.7 | 47 | 94 | 6 | 6 | 6 | 0.110 | 0.742 | 0.667 | 0.297 | 0.297 | 0.148 | 0.133 | 0.059 | |
| TB1D476*010CJ#00++ | D | 47 | 10 | 0.9 | 4.7 | 47 | 56.4 | 6 | 6 | 6 | 0.150 | 0.408 | 0.367 | 0.163 | 0.163 | 0.367 | 0.331 | 0.147 | |
| TB1B686*010CJ#00++ | B | 68 | 10 | 0.6 | 6.8 | 68 | 68 | 6 | 6 | 6 | 0.085 | 1.225 | 1.102 | 0.490 | 0.490 | 0.122 | 0.110 | 0.049 | |
| TB1B686*010LL#00++ | B | 68 | 10 | 1.2 | 6.8 | 68 | 136 | 6 | 6 | 6 | 0.085 | 0.376 | 0.339 | 0.151 | 0.151 | 0.226 | 0.203 | 0.090 | |
| TB1C686*010CJ#00++ | C | 68 | 10 | 0.08 | 6.8 | 68 | 68 | 6 | 6 | 6 | 0.110 | 0.303 | 0.272 | 0.121 | 0.121 | 0.363 | 0.327 | 0.145 | |
| TB1C686*010LL#00++ | C | 68 | 10 | 0.09 | 6.8 | 68 | 136 | 6 | 6 | 6 | 0.110 | 1.173 | 1.055 | 0.469 | 0.469 | 0.094 | 0.084 | 0.038 | |
| TB1D686*010CJ#00++ | D | 68 | 10 | 0.1 | 6.8 | 68 | 136 | 6 | 6 | 6 | 0.150 | 0.408 | 0.367 | 0.163 | 0.163 | 0.367 | 0.331 | 0.147 | |
| TB1D686*010LL#00++ | D | 68 | 10 | 0.4 | 6.8 | 68 | 200 | 6 | 6 | 6 | 0.085 | 0.461 | 0.415 | 0.184 | 0.184 | 0.166 | 0.166 | 0.074 | |
| TB1C107*010CJ#00++ | C | 100 | 10 | 1.2 | 10 | 100 | 200 | 6 | 6 | 6 | 0.110 | 0.303 | 0.272 | 0.121 | 0.121 | 0.363 | 0.327 | 0.145 | |
| TB1C107*010LL#00++ | C | 100 | 10 | 0.2 | 10 | 100 | 200 | 6 | 6 | 6 | 0.110 | 0.742 | 0.667 | 0.297 | 0.297 | 0.148 | 0.133 | 0.059 | |
| TB1D107*010CJ#00++ | D | 100 | 10 | 0.9 | 10 | 100 | 200 | 6 | 6 | 6 | 0.150 | 0.408 | 0.367 | 0.163 | 0.163 | 0.367 | 0.331 | 0.147 | |
| TB1D107*010LL#00++ | D | 100 | 10 | 0.1 | 10 | 100 | 200 | 6 | 6 | 6 | 0.150 | 1.225 | 1.102 | 0.490 | 0.490 | 0.122 | 0.110 | 0.049 | |
| TB1E107*010CJ#00++ | E | 100 | 10 | 0.125 | 10 | 100 | 200 | 6 | 6 | 6 | 0.165 | 0.165 | 0.156 | 0.051 | 0.051 | 0.128 | 0.116 | 0.051 | |
| TB1D157*010CJ#00++ | D | 150 | 10 | 0.9 | 15 | 150 | 300 | 6 | 6 | 6 | 0.150 | 0.408 | 0.367 | 0.163 | 0.163 | 0.367 | 0.331 | 0.147 | |
| TB1D157*010LL#00++ | D | 150 | 10 | 0.1 | 15 | 150 | 300 | 6 | 6 | 6 | 0.150 | 1.225 | 1.102 | 0.490 | 0.490 | 0.122 | 0.110 | 0.049 | |
| TB1E157*010CJ#00++ | E | 150 | 10 | 0.1 | 15 | 150 | 300 | 6 | 6 | 6 | 0.165 | 0.165 | 0.156 | 0.051 | 0.051 | 0.128 | 0.116 | 0.051 | |
| TB1D227*010CJ#00++ | D | 220 | 10 | 0.9 | 22 | 220 | 440 | 6 | 6 | 6 | 0.150 | 0.408 | 0.367 | 0.163 | 0.163 | 0.367 | 0.331 | 0.147 | |
| TB1D227*010LL#00++ | D | 220 | 10 | 0.15 | 22 | 220 | 440 | 6 | 6 | 6 | 0.150 | 1.000 | 0.900 | 0.400 | 0.400 | 0.150 | 0.135 | 0.060 | |
| TB1E227*010CJ#00++ | E | 220 | 10 | 0.9 | 22 | 220 | 440 | 6 | 6 | 6 | 0.165 | 0.428 | 0.385 | 0.171 | 0.171 | 0.385 | 0.347 | 0.154 | |
| TB1E227*010LL#00++ | E | 220 | 10 | 0.1 | 22 | 220 | 440 | 6 | 6 | 6 | 0.165 | 1.285 | 1.156 | 0.514 | 0.514 | 0.128 | 0.116 | 0.051 | |

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. 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.

| RATING & PART NUMBER REFERENCE | | Parametric Specifications by Rating per MIL-PRF-55365/4 | | | | | | | | | | Typical RMS Ripple Data by Rating | | | | | | | | | |
|--------------------------------|------|---|------------------|--------------|---------|-------|-------|--------|-------|-------|--------|-----------------------------------|-------|-------|-------|-------|-------|-------|--|--|--|
| | | Cap @ 120Hz | DC Rated Voltage | ESR @ 100kHz | DCI max | +25°C | +85°C | +125°C | +25°C | -55°C | DF Max | Power Dissipation | 25°C | 85°C | 125°C | 25°C | 85°C | 125°C | | | |
| AVX COTS-Plus P/N | Case | µF | V | Ohms | (µA) | (µA) | (µA) | (%) | (%) | (%) | W | A | A | A | A | A | A | | | | |
| TBJD337010L1#00++ | D | 330 | 10 | 0.15 | 33 | 330 | 660 | 8 | 10 | 12 | 0.150 | 1.000 | 0.900 | 0.400 | 0.150 | 0.135 | 0.060 | | | | |
| TBJE337010C1#00++ | E | 330 | 10 | 0.9 | 33 | 330 | 660 | 8 | 10 | 12 | 0.165 | 0.428 | 0.385 | 0.171 | 0.385 | 0.347 | 0.154 | | | | |
| TBJE337010L1#00++ | E | 330 | 10 | 0.06 | 33 | 330 | 660 | 8 | 10 | 12 | 0.165 | 1.658 | 1.492 | 0.663 | 0.099 | 0.090 | 0.040 | | | | |
| TBJV337010C1#00++ | V | 330 | 10 | 0.1 | 33 | 330 | 660 | 8 | 10 | 12 | 0.250 | 1.581 | 1.423 | 0.632 | 0.158 | 0.142 | 0.063 | | | | |
| TBJA337010L1#00++ | V | 330 | 10 | 0.06 | 33 | 330 | 660 | 10 | 10 | 12 | 0.250 | 2.041 | 1.837 | 0.816 | 0.122 | 0.110 | 0.049 | | | | |
| TBJE477010C1#00++ | E | 470 | 10 | 0.9 | 47 | 470 | 940 | 10 | 10 | 12 | 0.165 | 0.428 | 0.385 | 0.171 | 0.385 | 0.347 | 0.154 | | | | |
| TBJE477010L1#00++ | E | 470 | 10 | 0.05 | 47 | 470 | 940 | 10 | 12 | 14 | 0.165 | 1.817 | 1.635 | 0.727 | 0.091 | 0.082 | 0.036 | | | | |
| TBJV477010C1#00++ | V | 470 | 10 | 0.1 | 47 | 470 | 940 | 10 | 12 | 14 | 0.250 | 1.581 | 1.423 | 0.632 | 0.158 | 0.142 | 0.063 | | | | |
| TBJM477010L1#00++ | V | 470 | 10 | 0.06 | 47 | 470 | 940 | 10 | 12 | 14 | 0.250 | 2.041 | 1.837 | 0.816 | 0.122 | 0.110 | 0.049 | | | | |
| TBJA6847015C1#00++ | A | 0.68 | 15 | 12 | 0.102 | 1.02 | 1.224 | 4 | 6 | 6 | 0.075 | 0.079 | 0.071 | 0.032 | 0.949 | 0.854 | 0.379 | | | | |
| TBJA1557015C1#00++ | A | 1 | 15 | 8 | 0.225 | 2.25 | 2.7 | 4 | 6 | 6 | 0.075 | 0.097 | 0.087 | 0.039 | 0.775 | 0.697 | 0.310 | | | | |
| TBJB257015C1#00++ | B | 2.2 | 15 | 5.5 | 0.33 | 3.3 | 3.96 | 6 | 6 | 9 | 0.085 | 0.124 | 0.112 | 0.050 | 0.684 | 0.615 | 0.273 | | | | |
| TBJB3357015C1#00++ | B | 3.3 | 15 | 5 | 0.495 | 4.95 | 5.94 | 6 | 6 | 8 | 0.085 | 0.130 | 0.117 | 0.052 | 0.652 | 0.587 | 0.261 | | | | |
| TBJB4757015C1#00++ | B | 4.7 | 15 | 4 | 0.705 | 7.05 | 8.46 | 6 | 6 | 8 | 0.085 | 0.146 | 0.131 | 0.058 | 0.583 | 0.525 | 0.233 | | | | |
| TBJC1057015C1#00++ | C | 10 | 15 | 2.5 | 1.5 | 15 | 18 | 6 | 6 | 8 | 0.110 | 0.210 | 0.189 | 0.084 | 0.524 | 0.472 | 0.210 | | | | |
| TBJD2257015C1#00++ | D | 22 | 15 | 1.1 | 3.3 | 33 | 39.6 | 6 | 6 | 9 | 0.150 | 0.369 | 0.332 | 0.148 | 0.406 | 0.366 | 0.162 | | | | |
| TBJD3357015C1#00++ | D | 33 | 15 | 0.9 | 4.95 | 49.5 | 59.4 | 6 | 6 | 8 | 0.150 | 0.408 | 0.367 | 0.163 | 0.367 | 0.331 | 0.147 | | | | |
| TBJD157015L1#00++ | D | 150 | 15 | 0.05 | 5.625 | 56.25 | 112.5 | 6 | 6 | 9 | 0.150 | 1.792 | 1.589 | 0.693 | 0.087 | 0.078 | 0.035 | | | | |
| TBJA6847016C1#00++ | A | 0.68 | 16 | 12 | 0.109 | 1.088 | 2.176 | 4 | 6 | 6 | 0.075 | 0.079 | 0.071 | 0.032 | 0.949 | 0.854 | 0.379 | | | | |
| TBJA1057016C1#00++ | A | 1 | 16 | 10 | 0.16 | 1.6 | 3.2 | 4 | 6 | 6 | 0.075 | 0.087 | 0.078 | 0.035 | 0.866 | 0.779 | 0.346 | | | | |
| TBJA2257016C1#00++ | A | 2.2 | 16 | 5.5 | 0.352 | 3.52 | 7.04 | 6 | 6 | 9 | 0.075 | 0.117 | 0.105 | 0.047 | 0.642 | 0.578 | 0.257 | | | | |
| TBJA2257016C1#00++ | A | 2.2 | 16 | 1.8 | 0.352 | 3.52 | 7.04 | 6 | 6 | 10 | 0.075 | 0.204 | 0.184 | 0.082 | 0.642 | 0.578 | 0.257 | | | | |
| TBJE257016C1#00++ | B | 2.2 | 16 | 5 | 0.352 | 3.52 | 7.04 | 6 | 6 | 8 | 0.085 | 0.130 | 0.117 | 0.052 | 0.652 | 0.587 | 0.261 | | | | |
| TBJA3357016C1#00++ | A | 3.3 | 16 | 5 | 0.528 | 5.28 | 10.56 | 6 | 6 | 9 | 0.075 | 0.122 | 0.110 | 0.049 | 0.612 | 0.551 | 0.245 | | | | |
| TBJA3357016C1#00++ | A | 3.3 | 16 | 3.5 | 0.528 | 5.28 | 10.56 | 6 | 6 | 9 | 0.075 | 0.146 | 0.132 | 0.059 | 0.512 | 0.461 | 0.205 | | | | |
| TBJB3357016C1#00++ | B | 3.3 | 16 | 4.5 | 0.528 | 5.28 | 10.56 | 6 | 6 | 10 | 0.085 | 0.137 | 0.124 | 0.055 | 0.618 | 0.557 | 0.247 | | | | |
| TBJA4757016C1#00++ | A | 4.7 | 16 | 4 | 0.752 | 7.52 | 15.04 | 6 | 6 | 9 | 0.075 | 0.137 | 0.123 | 0.055 | 0.548 | 0.493 | 0.219 | | | | |
| TBJA4757016L1#00++ | A | 4.7 | 16 | 2 | 0.752 | 7.52 | 15.04 | 6 | 6 | 10 | 0.075 | 0.194 | 0.174 | 0.077 | 0.387 | 0.349 | 0.155 | | | | |
| TBJB4757016C1#00++ | B | 4.7 | 16 | 3.1 | 0.752 | 7.52 | 15.04 | 6 | 6 | 8 | 0.085 | 0.166 | 0.149 | 0.066 | 0.513 | 0.462 | 0.205 | | | | |
| TBJB4757016L1#00++ | B | 4.7 | 16 | 0.8 | 0.752 | 7.52 | 15.04 | 6 | 6 | 10 | 0.085 | 0.326 | 0.293 | 0.130 | 0.261 | 0.235 | 0.104 | | | | |
| TBJA6857016C1#00++ | A | 6.8 | 16 | 2.5 | 1.088 | 10.88 | 21.76 | 6 | 6 | 9 | 0.075 | 0.173 | 0.156 | 0.069 | 0.433 | 0.390 | 0.174 | | | | |
| TBJA6857016L1#00++ | A | 6.8 | 16 | 1.5 | 1.088 | 10.88 | 21.76 | 6 | 6 | 10 | 0.075 | 0.224 | 0.201 | 0.089 | 0.302 | 0.302 | 0.134 | | | | |
| TBJB6857016C1#00++ | B | 6.8 | 16 | 2.5 | 1.088 | 10.88 | 21.76 | 6 | 6 | 8 | 0.085 | 0.184 | 0.166 | 0.074 | 0.461 | 0.415 | 0.184 | | | | |
| TBJB6857016L1#00++ | B | 6.8 | 16 | 0.6 | 1.088 | 10.88 | 21.76 | 6 | 6 | 9 | 0.085 | 0.376 | 0.339 | 0.151 | 0.226 | 0.203 | 0.090 | | | | |
| TBJA1057016C1#00++ | A | 10 | 16 | 3 | 1.6 | 16 | 32 | 6 | 6 | 10 | 0.075 | 0.158 | 0.142 | 0.063 | 0.474 | 0.427 | 0.190 | | | | |
| TBJA1057016L1#00++ | A | 10 | 16 | 1 | 1.6 | 16 | 32 | 6 | 6 | 10 | 0.075 | 0.274 | 0.246 | 0.110 | 0.274 | 0.246 | 0.110 | | | | |
| TBJB1057016C1#00++ | B | 10 | 16 | 2.8 | 1.6 | 16 | 32 | 6 | 6 | 9 | 0.085 | 0.174 | 0.157 | 0.070 | 0.488 | 0.439 | 0.195 | | | | |
| TBJB1057016L1#00++ | B | 10 | 16 | 0.5 | 1.6 | 16 | 32 | 6 | 6 | 10 | 0.085 | 0.412 | 0.371 | 0.165 | 0.206 | 0.186 | 0.082 | | | | |
| TBJC1057016C1#00++ | C | 10 | 16 | 2.5 | 1.6 | 16 | 32 | 6 | 6 | 8 | 0.110 | 0.469 | 0.422 | 0.189 | 0.084 | 0.084 | 0.040 | | | | |
| TBJC1057016L1#00++ | C | 10 | 16 | 0.5 | 1.6 | 16 | 32 | 6 | 6 | 10 | 0.110 | 0.826 | 0.766 | 0.339 | 0.235 | 0.211 | 0.094 | | | | |
| TBJB1557016C1#00++ | B | 15 | 16 | 0.8 | 2.4 | 24 | 48 | 6 | 6 | 9 | 0.085 | 0.326 | 0.293 | 0.130 | 0.261 | 0.235 | 0.104 | | | | |
| TBJB1557016L1#00++ | B | 15 | 16 | 1.8 | 2.4 | 24 | 48 | 6 | 6 | 10 | 0.110 | 0.247 | 0.222 | 0.099 | 0.445 | 0.400 | 0.178 | | | | |
| TBJB2257016C1#00++ | B | 22 | 16 | 2.3 | 3.52 | 35.2 | 70.4 | 6 | 6 | 9 | 0.085 | 0.192 | 0.173 | 0.077 | 0.442 | 0.398 | 0.177 | | | | |
| TBJB2257016L1#00++ | B | 22 | 16 | 0.6 | 3.52 | 35.2 | 70.4 | 6 | 6 | 10 | 0.085 | 0.376 | 0.339 | 0.151 | 0.226 | 0.203 | 0.090 | | | | |
| TBJC2257016C1#00++ | C | 22 | 16 | 1.6 | 3.52 | 35.2 | 70.4 | 6 | 6 | 9 | 0.110 | 0.282 | 0.262 | 0.105 | 0.420 | 0.378 | 0.168 | | | | |
| TBJC2257016L1#00++ | C | 22 | 16 | 0.375 | 3.52 | 35.2 | 70.4 | 6 | 6 | 9 | 0.110 | 0.542 | 0.487 | 0.217 | 0.203 | 0.183 | 0.081 | | | | |
| TBJD2257016C1#00++ | D | 22 | 16 | 1.1 | 3.52 | 35.2 | 70.4 | 6 | 6 | 8 | 0.150 | 0.369 | 0.332 | 0.148 | 0.406 | 0.366 | 0.162 | | | | |
| TBJB3357016L1#00++ | B | 33 | 16 | 0.35 | 5.28 | 52.8 | 105.6 | 6 | 6 | 10 | 0.085 | 0.443 | 0.404 | 0.197 | 0.172 | 0.155 | 0.069 | | | | |
| TBJC3357016C1#00++ | C | 33 | 16 | 1.5 | 5.28 | 52.8 | 105.6 | 6 | 6 | 9 | 0.110 | 0.271 | 0.244 | 0.108 | 0.406 | 0.366 | 0.162 | | | | |
| TBJC3357016L1#00++ | C | 33 | 16 | 0.3 | 5.28 | 52.8 | 105.6 | 6 | 6 | 10 | 0.110 | 0.606 | 0.545 | 0.242 | 0.182 | 0.163 | 0.073 | | | | |
| TBJD3357016C1#00++ | D | 33 | 16 | 0.9 | 5.28 | 52.8 | 105.6 | 6 | 6 | 9 | 0.150 | 0.408 | 0.367 | 0.163 | 0.367 | 0.331 | 0.147 | | | | |
| TBJD3357016L1#00++ | D | 33 | 16 | 0.2 | 5.28 | 52.8 | 105.6 | 6 | 6 | 10 | 0.150 | 0.866 | 0.779 | 0.346 | 0.173 | 0.156 | 0.069 | | | | |
| TBJC4757016C1#00++ | C | 47 | 16 | 1.5 | 7.52 | 75.2 | 150.4 | 6 | 6 | 9 | 0.110 | 0.271 | 0.244 | 0.108 | 0.406 | 0.366 | 0.162 | | | | |
| TBJC4757016L1#00++ | C | 47 | 16 | 0.35 | 7.52 | 75.2 | 150.4 | 6 | 6 | 10 | 0.110 | 0.561 | 0.505 | 0.224 | 0.196 | 0.177 | 0.078 | | | | |
| TBJD4757016C1#00++ | D | 47 | 16 | 0.9 | 7.52 | 75.2 | 150.4 | 6 | 6 | 9 | 0.150 | 0.408 | 0.367 | 0.163 | 0.367 | 0.331 | 0.147 | | | | |
| TBJD4757016L1#00++ | D | 47 | 16 | 0.15 | 7.52 | 75.2 | 150.4 | 6 | 6 | 10 | 0.150 | 1.000 | 0.900 | 0.400 | 0.150 | 0.135 | 0.060 | | | | |

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. DCI is measured at rated voltage after 5 minutes. 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.

| RATING & PART NUMBER REFERENCE | | Parametric Specifications by Rating per MIL-PRF-55365/4 | | | | | | | | | | Typical RMS Ripple Data by Rating | | | | | | | | | |
|--------------------------------|------|---|------------------|--------------|--------------|---------------|-------------|-------------|--------------|-------------|--------|-----------------------------------|------------|------------|------------|------------|------------|-------|--|--|--|
| | | Cap @ 120Hz | DC Rated Voltage | ESR @ 100kHz | DCL max | +25°C | +85°C | +125°C | +25°C | -55°C | DF Max | Power Dissipation | 25°C | 85°C | 125°C | 25°C | 85°C | 125°C | | | |
| AVX COTS-Plus P/N | Case | µF @ +25°C | V @ +85°C | Ohms @ +25°C | (µA) @ +85°C | (µA) @ +125°C | (%) @ +25°C | (%) @ +85°C | (%) @ +125°C | (%) @ -55°C | W | A (100kHz) | A (100kHz) | A (100kHz) | V (100kHz) | V (100kHz) | V (100kHz) | | | | |
| TBJC336*020L1#00+0+ | C | 33 | 20 | 0.3 | 66 | 132 | 6 | 9 | 10 | 10 | 0.110 | 0.606 | 0.545 | 0.242 | 0.182 | 0.163 | 0.073 | | | | |
| TBJD336*020C1#00+0+ | D | 33 | 20 | 0.9 | 66 | 132 | 6 | 8 | 10 | 10 | 0.150 | 0.408 | 0.367 | 0.163 | 0.367 | 0.331 | 0.147 | | | | |
| TBJD336*020L1#00+0+ | D | 33 | 20 | 0.1 | 66 | 132 | 6 | 8 | 10 | 10 | 0.150 | 0.408 | 0.367 | 0.163 | 0.367 | 0.331 | 0.147 | | | | |
| TBJD476*020C1#00+0+ | D | 47 | 20 | 0.2 | 94 | 188 | 6 | 8 | 10 | 10 | 0.150 | 0.866 | 0.779 | 0.346 | 0.173 | 0.156 | 0.069 | | | | |
| TBJD476*020L1#00+0+ | D | 47 | 20 | 0.1 | 94 | 188 | 6 | 8 | 10 | 10 | 0.150 | 1.225 | 1.102 | 0.490 | 0.122 | 0.110 | 0.049 | | | | |
| TBJE476*020C1#00+0+ | E | 47 | 20 | 0.25 | 94 | 188 | 6 | 8 | 10 | 8 | 0.165 | 0.812 | 0.731 | 0.325 | 0.203 | 0.183 | 0.081 | | | | |
| TBJE476*020L1#00+0+ | E | 47 | 20 | 0.07 | 94 | 188 | 6 | 9 | 10 | 10 | 0.165 | 1.535 | 1.382 | 0.614 | 0.107 | 0.097 | 0.043 | | | | |
| TBJD686*020C1#00+0+ | D | 68 | 20 | 0.9 | 136 | 272 | 6 | 8 | 10 | 10 | 0.150 | 0.408 | 0.367 | 0.163 | 0.367 | 0.331 | 0.147 | | | | |
| TBJD686*020L1#00+0+ | D | 68 | 20 | 0.07 | 136 | 272 | 6 | 8 | 10 | 10 | 0.150 | 1.464 | 1.317 | 0.586 | 0.102 | 0.092 | 0.041 | | | | |
| TBJE686*020C1#00+0+ | E | 68 | 20 | 0.9 | 136 | 272 | 6 | 8 | 10 | 10 | 0.165 | 0.428 | 0.385 | 0.171 | 0.385 | 0.347 | 0.154 | | | | |
| TBJE686*020L1#00+0+ | E | 68 | 20 | 0.15 | 136 | 272 | 6 | 8 | 10 | 10 | 0.165 | 1.049 | 0.944 | 0.420 | 0.157 | 0.142 | 0.063 | | | | |
| TBJD107*020C1#00+0+ | D | 100 | 20 | 0.1 | 200 | 400 | 6 | 9 | 10 | 10 | 0.150 | 1.225 | 1.102 | 0.490 | 0.122 | 0.110 | 0.049 | | | | |
| TBJD107*020L1#00+0+ | D | 100 | 20 | 0.085 | 200 | 400 | 6 | 9 | 10 | 10 | 0.150 | 1.328 | 1.196 | 0.531 | 0.113 | 0.102 | 0.045 | | | | |
| TBJE107*020C1#00+0+ | E | 100 | 20 | 0.15 | 200 | 400 | 6 | 9 | 10 | 10 | 0.165 | 1.049 | 0.944 | 0.420 | 0.157 | 0.142 | 0.063 | | | | |
| TBJE107*020L1#00+0+ | E | 100 | 20 | 0.1 | 200 | 400 | 6 | 9 | 10 | 10 | 0.165 | 1.285 | 1.156 | 0.514 | 0.128 | 0.116 | 0.051 | | | | |
| TBM107*020C1#00+0+ | V | 100 | 20 | 0.2 | 200 | 400 | 8 | 10 | 12 | 12 | 0.250 | 1.118 | 1.006 | 0.447 | 0.224 | 0.201 | 0.089 | | | | |
| TBM107*020L1#00+0+ | V | 100 | 20 | 0.085 | 200 | 400 | 8 | 10 | 12 | 12 | 0.250 | 1.715 | 1.543 | 0.686 | 0.146 | 0.131 | 0.058 | | | | |
| TBJE157*020C1#00+0+ | E | 150 | 25 | 0.3 | 300 | 600 | 8 | 10 | 10 | 10 | 0.165 | 0.742 | 0.667 | 0.297 | 0.222 | 0.200 | 0.089 | | | | |
| TBJE157*020L1#00+0+ | E | 150 | 25 | 0.08 | 300 | 600 | 8 | 10 | 12 | 12 | 0.250 | 1.768 | 1.591 | 0.707 | 0.141 | 0.127 | 0.057 | | | | |
| TBJA334*025C1#00+0+ | A | 0.33 | 25 | 15 | 0.083 | 0.825 | 4 | 6 | 6 | 6 | 0.075 | 0.071 | 0.064 | 0.028 | 1.061 | 0.955 | 0.424 | | | | |
| TBJA474*025C1#00+0+ | A | 0.47 | 25 | 14 | 0.118 | 1.41 | 4 | 6 | 6 | 6 | 0.075 | 0.073 | 0.066 | 0.029 | 1.025 | 0.922 | 0.410 | | | | |
| TBJA74*025L1#00+0+ | A | 0.47 | 25 | 7 | 0.118 | 1.175 | 2.35 | 4 | 6 | 6 | 0.075 | 0.104 | 0.093 | 0.041 | 0.725 | 0.652 | 0.290 | | | | |
| TBJA684*025C1#00+0+ | A | 0.68 | 25 | 10 | 0.088 | 0.88 | 4 | 6 | 6 | 6 | 0.075 | 0.087 | 0.078 | 0.035 | 0.666 | 0.779 | 0.346 | | | | |
| TBJA684*025L1#00+0+ | A | 0.68 | 25 | 6 | 0.17 | 1.7 | 3.4 | 4 | 6 | 6 | 0.075 | 0.112 | 0.101 | 0.045 | 0.671 | 0.604 | 0.268 | | | | |
| TBJB684*025C1#00+0+ | B | 0.68 | 25 | 7.5 | 0.17 | 2.04 | 4 | 6 | 6 | 6 | 0.085 | 0.106 | 0.096 | 0.043 | 0.798 | 0.719 | 0.319 | | | | |
| TBJA105*025C1#00+0+ | A | 1 | 25 | 8 | 0.25 | 2.5 | 5 | 4 | 6 | 6 | 0.075 | 0.097 | 0.087 | 0.039 | 0.775 | 0.697 | 0.310 | | | | |
| TBJB105*025C1#00+0+ | B | 1 | 25 | 6.5 | 0.25 | 2.5 | 3 | 4 | 6 | 6 | 0.085 | 0.114 | 0.103 | 0.046 | 0.743 | 0.669 | 0.297 | | | | |
| TBJA155*025C1#00+0+ | A | 1.5 | 25 | 7.5 | 0.375 | 3.75 | 7.5 | 6 | 8 | 10 | 0.075 | 0.100 | 0.090 | 0.040 | 0.750 | 0.675 | 0.300 | | | | |
| TBJA155*025L1#00+0+ | A | 1.5 | 25 | 3 | 0.375 | 3.75 | 7.5 | 6 | 8 | 10 | 0.075 | 0.158 | 0.142 | 0.063 | 0.474 | 0.427 | 0.190 | | | | |
| TBJB155*025C1#00+0+ | B | 1.5 | 25 | 6.5 | 0.375 | 3.75 | 4.5 | 6 | 8 | 9 | 0.085 | 0.114 | 0.103 | 0.046 | 0.743 | 0.669 | 0.297 | | | | |
| TBJB155*025L1#00+0+ | B | 1.5 | 25 | 1.8 | 0.375 | 3.75 | 7.5 | 6 | 8 | 10 | 0.085 | 0.217 | 0.196 | 0.087 | 0.391 | 0.352 | 0.156 | | | | |
| TBJB225*025C1#00+0+ | B | 2.2 | 25 | 4.5 | 0.55 | 5.5 | 11 | 6 | 8 | 8 | 0.085 | 0.137 | 0.124 | 0.055 | 0.618 | 0.557 | 0.247 | | | | |
| TBJB225*025L1#00+0+ | B | 2.2 | 25 | 0.9 | 0.55 | 5.5 | 11 | 6 | 8 | 8 | 0.085 | 0.307 | 0.277 | 0.123 | 0.277 | 0.249 | 0.111 | | | | |
| TBJC225*025C1#00+0+ | C | 2.2 | 25 | 3.5 | 0.55 | 5.5 | 6.6 | 6 | 9 | 9 | 0.110 | 0.177 | 0.160 | 0.071 | 0.620 | 0.558 | 0.248 | | | | |
| TBJA335*025C1#00+0+ | A | 3.3 | 25 | 1.5 | 0.825 | 8.25 | 16.5 | 6 | 9 | 10 | 0.075 | 0.224 | 0.201 | 0.089 | 0.335 | 0.302 | 0.134 | | | | |
| TBJA335*025L1#00+0+ | A | 3.3 | 25 | 1 | 0.825 | 8.25 | 16.5 | 6 | 8 | 10 | 0.075 | 0.274 | 0.246 | 0.110 | 0.274 | 0.246 | 0.110 | | | | |
| TBJB335*025C1#00+0+ | B | 3.3 | 25 | 3.5 | 0.825 | 8.25 | 16.5 | 6 | 8 | 10 | 0.085 | 0.156 | 0.140 | 0.062 | 0.545 | 0.491 | 0.218 | | | | |
| TBJB335*025L1#00+0+ | B | 3.3 | 25 | 0.75 | 0.825 | 8.25 | 16.5 | 6 | 9 | 10 | 0.085 | 0.337 | 0.303 | 0.135 | 0.252 | 0.227 | 0.101 | | | | |
| TBJC335*025C1#00+0+ | C | 3.3 | 25 | 3.5 | 0.825 | 8.25 | 9.9 | 6 | 9 | 10 | 0.110 | 0.177 | 0.160 | 0.071 | 0.620 | 0.558 | 0.248 | | | | |
| TBJA475*025C1#00+0+ | A | 4.7 | 25 | 2.8 | 1.175 | 11.75 | 23.5 | 6 | 8 | 8 | 0.065 | 0.164 | 0.147 | 0.065 | 0.458 | 0.412 | 0.183 | | | | |
| TBJB475*025C1#00+0+ | B | 4.7 | 25 | 2.8 | 1.175 | 11.75 | 23.5 | 6 | 8 | 10 | 0.085 | 0.174 | 0.157 | 0.070 | 0.488 | 0.439 | 0.195 | | | | |
| TBJB475*025L1#00+0+ | B | 4.7 | 25 | 1.5 | 1.175 | 11.75 | 23.5 | 6 | 8 | 10 | 0.085 | 0.238 | 0.214 | 0.095 | 0.357 | 0.321 | 0.143 | | | | |
| TBJC475*025C1#00+0+ | C | 4.7 | 25 | 2.5 | 1.175 | 11.75 | 14.1 | 6 | 8 | 9 | 0.110 | 0.210 | 0.199 | 0.084 | 0.524 | 0.472 | 0.210 | | | | |
| TBJB685*025C1#00+0+ | B | 6.8 | 25 | 2.8 | 1.7 | 17 | 34 | 6 | 8 | 8 | 0.085 | 0.174 | 0.157 | 0.070 | 0.488 | 0.439 | 0.195 | | | | |
| TBJB685*025L1#00+0+ | B | 6.8 | 25 | 0.7 | 1.7 | 17 | 34 | 6 | 8 | 10 | 0.085 | 0.348 | 0.314 | 0.139 | 0.244 | 0.220 | 0.098 | | | | |
| TBJC685*025C1#00+0+ | C | 6.8 | 25 | 2 | 1.7 | 17 | 34 | 6 | 8 | 10 | 0.110 | 0.235 | 0.211 | 0.094 | 0.469 | 0.422 | 0.188 | | | | |
| TBJC685*025L1#00+0+ | C | 6.8 | 25 | 0.5 | 1.7 | 17 | 34 | 6 | 8 | 9 | 0.110 | 0.489 | 0.422 | 0.188 | 0.235 | 0.211 | 0.094 | | | | |
| TBJD685*025C1#00+0+ | D | 6.8 | 25 | 1.4 | 1.7 | 17 | 20.4 | 6 | 8 | 9 | 0.150 | 0.296 | 0.256 | 0.131 | 0.458 | 0.412 | 0.183 | | | | |
| TBJC106*025C1#00+0+ | C | 10 | 25 | 1.8 | 2.5 | 25 | 50 | 6 | 8 | 10 | 0.110 | 0.327 | 0.292 | 0.131 | 0.458 | 0.412 | 0.183 | | | | |
| TBJC106*025L1#00+0+ | C | 10 | 25 | 0.5 | 2.5 | 25 | 50 | 6 | 8 | 10 | 0.110 | 0.469 | 0.422 | 0.188 | 0.235 | 0.211 | 0.094 | | | | |
| TBJD106*025C1#00+0+ | D | 10 | 25 | 1.2 | 2.5 | 25 | 30 | 6 | 8 | 9 | 0.150 | 0.318 | 0.283 | 0.141 | 0.424 | 0.400 | 0.178 | | | | |
| TBJC156*025C1#00+0+ | C | 15 | 25 | 0.3 | 3.75 | 37.5 | 75 | 6 | 8 | 10 | 0.110 | 0.606 | 0.545 | 0.242 | 0.182 | 0.163 | 0.073 | | | | |
| TBJC156*025L1#00+0+ | C | 15 | 25 | 0.22 | 3.75 | 37.5 | 75 | 6 | 8 | 9 | 0.110 | 0.707 | 0.636 | 0.283 | 0.156 | 0.140 | 0.062 | | | | |
| TBJD156*025C1#00+0+ | D | 15 | 25 | 1 | 3.75 | 37.5 | 45 | 6 | 8 | 10 | 0.150 | 0.387 | 0.349 | 0.155 | 0.387 | 0.349 | 0.155 | | | | |
| TBJD156*025L1#00+0+ | D | 15 | 25 | 0.3 | 3.75 | 37.5 | 75 | 6 | 8 | 9 | 0.150 | 0.707 | 0.636 | 0.283 | 0.156 | 0.140 | 0.062 | | | | |
| TBJC226*025C1#00+0+ | C | 22 | 25 | 1.4 | 5.5 | 55 | 110 | 6 | 8 | 10 | 0.110 | 0.280 | 0.252 | 0.112 | 0.392 | 0.353 | 0.157 | | | | |

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.

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.

| RATING & PART NUMBER REFERENCE | | Parametric Specifications by Rating per MIL-PRF-55365/4 | | | | | | | | | | Typical RMS Ripple Data by Rating | | | | | |
|--------------------------------|------|---|--------------------------|----------------------|-----------------|-------------|------------|------------------------|------------|---------------------|--------------------------------|-----------------------------------|---------------------------------|--------------------------------|--------------------------------|---------------------------------|--|
| | | Cap @ 120Hz @ 25°C | DC Rated Voltage @ +85°C | ESR @ 100kHz @ +25°C | DCL max @ +85°C | +125°C (µA) | +25°C (%) | DF Max (+85/125°C) (%) | -55°C (%) | Power Dissipation W | 25°C Ripple Current (100kHz) A | 85°C Ripple Current (100kHz) A | 125°C Ripple Current (100kHz) A | 25°C Ripple Voltage (100kHz) V | 85°C Ripple Voltage (100kHz) V | 125°C Ripple Voltage (100kHz) V | |
| AVX COTS-Plus P/N | Case | µF @ 25°C | V @ +85°C | Ohms @ +25°C | µA @ +85°C | µA @ +25°C | µA @ +25°C | µA @ +25°C | µA @ +25°C | µA @ +25°C | µA @ +25°C | µA @ +25°C | µA @ +25°C | µA @ +25°C | µA @ +25°C | µA @ +25°C | |
| TB1C226*025CL#00++ | C | 22 | 25 | 0.275 | 5.5 | 110 | 55 | 110 | 55 | 110 | 55 | 110 | 55 | 110 | 55 | 110 | |
| TB1D228*025CL#00++ | D | 22 | 25 | 0.9 | 5.5 | 110 | 55 | 110 | 55 | 110 | 55 | 110 | 55 | 110 | 55 | 110 | |
| TB1D228*025CL#00++ | D | 22 | 25 | 0.2 | 5.5 | 110 | 55 | 110 | 55 | 110 | 55 | 110 | 55 | 110 | 55 | 110 | |
| TB1D336*025CL#00++ | D | 33 | 25 | 0.9 | 8.25 | 165 | 82.5 | 165 | 82.5 | 165 | 82.5 | 165 | 82.5 | 165 | 82.5 | 165 | |
| TB1D336*025CL#00++ | D | 33 | 25 | 0.1 | 8.25 | 165 | 82.5 | 165 | 82.5 | 165 | 82.5 | 165 | 82.5 | 165 | 82.5 | 165 | |
| TB1E336*025CL#00++ | E | 33 | 25 | 0.9 | 8.25 | 165 | 82.5 | 165 | 82.5 | 165 | 82.5 | 165 | 82.5 | 165 | 82.5 | 165 | |
| TB1E336*025CL#00++ | E | 33 | 25 | 0.3 | 8.25 | 165 | 82.5 | 165 | 82.5 | 165 | 82.5 | 165 | 82.5 | 165 | 82.5 | 165 | |
| TB1D476*025CL#00++ | D | 47 | 25 | 0.9 | 11.75 | 117.5 | 235 | 117.5 | 235 | 117.5 | 235 | 117.5 | 235 | 117.5 | 235 | 117.5 | |
| TB1D476*025CL#00++ | D | 47 | 25 | 0.25 | 11.75 | 117.5 | 235 | 117.5 | 235 | 117.5 | 235 | 117.5 | 235 | 117.5 | 235 | 117.5 | |
| TB1E476*025CL#00++ | E | 47 | 25 | 0.1 | 11.75 | 117.5 | 235 | 117.5 | 235 | 117.5 | 235 | 117.5 | 235 | 117.5 | 235 | 117.5 | |
| TB1E476*025CL#00++ | E | 47 | 25 | 0.08 | 11.75 | 117.5 | 235 | 117.5 | 235 | 117.5 | 235 | 117.5 | 235 | 117.5 | 235 | 117.5 | |
| TB1E666*025CL#00++ | E | 66 | 25 | 0.2 | 17 | 170 | 340 | 170 | 340 | 170 | 340 | 170 | 340 | 170 | 340 | 170 | |
| TB1E666*025CL#00++ | E | 66 | 25 | 0.125 | 17 | 170 | 340 | 170 | 340 | 170 | 340 | 170 | 340 | 170 | 340 | 170 | |
| TB1V666*025CL#00++ | V | 66 | 25 | 0.095 | 17 | 170 | 340 | 170 | 340 | 170 | 340 | 170 | 340 | 170 | 340 | 170 | |
| TB1V107*025CL#00++ | V | 100 | 25 | 0.1 | 25 | 250 | 500 | 250 | 500 | 250 | 500 | 250 | 500 | 250 | 500 | 250 | |
| TB1A104*035CL#00++ | A | 0.1 | 35 | 24 | 0.035 | 0.35 | 0.42 | 0.35 | 0.42 | 0.35 | 0.42 | 0.35 | 0.42 | 0.35 | 0.42 | 0.35 | |
| TB1A154*035CL#00++ | A | 0.15 | 35 | 21 | 0.5 | 5 | 10 | 5 | 10 | 5 | 10 | 5 | 10 | 5 | 10 | 5 | |
| TB1A224*035CL#00++ | A | 0.22 | 35 | 18 | 0.5 | 5 | 10 | 5 | 10 | 5 | 10 | 5 | 10 | 5 | 10 | 5 | |
| TB1A334*035CL#00++ | A | 0.33 | 35 | 15 | 0.5 | 5 | 10 | 5 | 10 | 5 | 10 | 5 | 10 | 5 | 10 | 5 | |
| TB1A334*035CL#00++ | A | 0.33 | 35 | 6 | 0.116 | 1.165 | 2.31 | 1.165 | 2.31 | 1.165 | 2.31 | 1.165 | 2.31 | 1.165 | 2.31 | 1.165 | |
| TB1A474*035CL#00++ | A | 0.47 | 35 | 12 | 0.165 | 1.645 | 3.29 | 1.645 | 3.29 | 1.645 | 3.29 | 1.645 | 3.29 | 1.645 | 3.29 | 1.645 | |
| TB1A474*035CL#00++ | A | 0.47 | 35 | 6 | 0.165 | 1.645 | 3.29 | 1.645 | 3.29 | 1.645 | 3.29 | 1.645 | 3.29 | 1.645 | 3.29 | 1.645 | |
| TB1B474*035CL#00++ | B | 0.47 | 35 | 10 | 0.165 | 1.645 | 3.29 | 1.645 | 3.29 | 1.645 | 3.29 | 1.645 | 3.29 | 1.645 | 3.29 | 1.645 | |
| TB1B474*035CL#00++ | B | 0.47 | 35 | 4 | 0.165 | 1.645 | 3.29 | 1.645 | 3.29 | 1.645 | 3.29 | 1.645 | 3.29 | 1.645 | 3.29 | 1.645 | |
| TB1A684*035CL#00++ | A | 0.68 | 35 | 8 | 0.238 | 2.38 | 4.76 | 2.38 | 4.76 | 2.38 | 4.76 | 2.38 | 4.76 | 2.38 | 4.76 | 2.38 | |
| TB1A684*035CL#00++ | A | 0.68 | 35 | 6 | 0.238 | 2.38 | 4.76 | 2.38 | 4.76 | 2.38 | 4.76 | 2.38 | 4.76 | 2.38 | 4.76 | 2.38 | |
| TB1B684*035CL#00++ | B | 0.68 | 35 | 8 | 0.238 | 2.38 | 4.76 | 2.38 | 4.76 | 2.38 | 4.76 | 2.38 | 4.76 | 2.38 | 4.76 | 2.38 | |
| TB1A105*035CL#00++ | A | 1 | 35 | 7.5 | 3.5 | 35 | 7 | 35 | 7 | 35 | 7 | 35 | 7 | 35 | 7 | 35 | |
| TB1A105*035CL#00++ | A | 1 | 35 | 3 | 3.5 | 35 | 7 | 35 | 7 | 35 | 7 | 35 | 7 | 35 | 7 | 35 | |
| TB1B105*035CL#00++ | B | 1 | 35 | 6.5 | 3.5 | 35 | 4.2 | 35 | 4.2 | 35 | 4.2 | 35 | 4.2 | 35 | 4.2 | 35 | |
| TB1B105*035CL#00++ | B | 1 | 35 | 2 | 3.5 | 35 | 7 | 35 | 7 | 35 | 7 | 35 | 7 | 35 | 7 | 35 | |
| TB1A155*035CL#00++ | A | 1.5 | 35 | 7.5 | 5.25 | 52.5 | 10.5 | 5.25 | 52.5 | 10.5 | 5.25 | 52.5 | 10.5 | 5.25 | 52.5 | 10.5 | |
| TB1A155*035CL#00++ | A | 1.5 | 35 | 5.2 | 5.25 | 52.5 | 10.5 | 5.25 | 52.5 | 10.5 | 5.25 | 52.5 | 10.5 | 5.25 | 52.5 | 10.5 | |
| TB1B155*035CL#00++ | B | 1.5 | 35 | 2.5 | 5.25 | 52.5 | 10.5 | 5.25 | 52.5 | 10.5 | 5.25 | 52.5 | 10.5 | 5.25 | 52.5 | 10.5 | |
| TB1C155*035CL#00++ | C | 1.5 | 35 | 4.5 | 5.25 | 52.5 | 6.3 | 5.25 | 52.5 | 6.3 | 5.25 | 52.5 | 6.3 | 5.25 | 52.5 | 6.3 | |
| TB1A225*035CL#00++ | A | 2.2 | 35 | 1.5 | 7.7 | 77 | 15.4 | 7.7 | 77 | 15.4 | 7.7 | 77 | 15.4 | 7.7 | 77 | 15.4 | |
| TB1A225*035CL#00++ | A | 2.2 | 35 | 4.2 | 7.7 | 77 | 15.4 | 7.7 | 77 | 15.4 | 7.7 | 77 | 15.4 | 7.7 | 77 | 15.4 | |
| TB1B225*035CL#00++ | B | 2.2 | 35 | 2 | 7.7 | 77 | 15.4 | 7.7 | 77 | 15.4 | 7.7 | 77 | 15.4 | 7.7 | 77 | 15.4 | |
| TB1B225*035CL#00++ | B | 2.2 | 35 | 3.5 | 7.7 | 77 | 15.4 | 7.7 | 77 | 15.4 | 7.7 | 77 | 15.4 | 7.7 | 77 | 15.4 | |
| TB1C225*035CL#00++ | C | 2.2 | 35 | 3.5 | 7.7 | 77 | 15.4 | 7.7 | 77 | 15.4 | 7.7 | 77 | 15.4 | 7.7 | 77 | 15.4 | |
| TB1C225*035CL#00++ | C | 2.2 | 35 | 1 | 7.7 | 77 | 15.4 | 7.7 | 77 | 15.4 | 7.7 | 77 | 15.4 | 7.7 | 77 | 15.4 | |
| TB1B335*035CL#00++ | B | 3.3 | 35 | 3.5 | 11.55 | 115.5 | 23.1 | 11.55 | 115.5 | 23.1 | 11.55 | 115.5 | 23.1 | 11.55 | 115.5 | 23.1 | |
| TB1B335*035CL#00++ | B | 3.3 | 35 | 1 | 11.55 | 115.5 | 23.1 | 11.55 | 115.5 | 23.1 | 11.55 | 115.5 | 23.1 | 11.55 | 115.5 | 23.1 | |
| TB1C335*035CL#00++ | C | 3.3 | 35 | 2.5 | 11.55 | 115.5 | 23.1 | 11.55 | 115.5 | 23.1 | 11.55 | 115.5 | 23.1 | 11.55 | 115.5 | 23.1 | |
| TB1C335*035CL#00++ | C | 3.3 | 35 | 0.7 | 11.55 | 115.5 | 23.1 | 11.55 | 115.5 | 23.1 | 11.55 | 115.5 | 23.1 | 11.55 | 115.5 | 23.1 | |
| TB1B475*035CL#00++ | B | 4.7 | 35 | 3.1 | 1.645 | 16.45 | 32.9 | 1.645 | 16.45 | 32.9 | 1.645 | 16.45 | 32.9 | 1.645 | 16.45 | 32.9 | |
| TB1B475*035CL#00++ | B | 4.7 | 35 | 0.7 | 1.645 | 16.45 | 32.9 | 1.645 | 16.45 | 32.9 | 1.645 | 16.45 | 32.9 | 1.645 | 16.45 | 32.9 | |
| TB1C475*035CL#00++ | C | 4.7 | 35 | 2.2 | 1.645 | 16.45 | 32.9 | 1.645 | 16.45 | 32.9 | 1.645 | 16.45 | 32.9 | 1.645 | 16.45 | 32.9 | |
| TB1C475*035CL#00++ | C | 4.7 | 35 | 0.6 | 1.645 | 16.45 | 32.9 | 1.645 | 16.45 | 32.9 | 1.645 | 16.45 | 32.9 | 1.645 | 16.45 | 32.9 | |
| TB1D475*035CL#00++ | D | 4.7 | 35 | 1.5 | 1.645 | 16.45 | 32.9 | 1.645 | 16.45 | 32.9 | 1.645 | 16.45 | 32.9 | 1.645 | 16.45 | 32.9 | |
| TB1D475*035CL#00++ | D | 4.7 | 35 | 0.5 | 1.645 | 16.45 | 32.9 | 1.645 | 16.45 | 32.9 | 1.645 | 16.45 | 32.9 | 1.645 | 16.45 | 32.9 | |
| TB1C685*035CL#00++ | C | 6.8 | 35 | 1.8 | 2.38 | 23.8 | 47.6 | 2.38 | 23.8 | 47.6 | 2.38 | 23.8 | 47.6 | 2.38 | 23.8 | 47.6 | |
| TB1C685*035CL#00++ | C | 6.8 | 35 | 0.35 | 2.38 | 23.8 | 47.6 | 2.38 | 23.8 | 47.6 | 2.38 | 23.8 | 47.6 | 2.38 | 23.8 | 47.6 | |

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. 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.

| RATING & PART NUMBER REFERENCE | | Parametric Specifications by Rating per MIL-PRF-55365/4 | | | | | | | | | | Typical RMS Ripple Data by Rating | | | | | | | | | |
|--------------------------------|----------------------|---|------------------|--------------|---------|-------|-------|--------|-------|-------|--------|-----------------------------------|------------|------------|------------|------------|------------|-------|--|--|--|
| | | Cap @ 120Hz | DC Rated Voltage | ESR @ 100kHz | DCL max | +25°C | +85°C | +125°C | +25°C | -55°C | DF Max | Power Dissipation | 25°C | 85°C | 125°C | 25°C | 85°C | 125°C | | | |
| Case | AVX COTS-Plus P/N | µF @ +25°C | V @ +85°C | Ohms @ +25°C | (µA) | (µA) | (%) | (%) | (%) | (%) | W | A (100kHz) | A (100kHz) | A (100kHz) | V (100kHz) | V (100kHz) | V (100kHz) | | | | |
| D | TB.D685'035C.LI#00++ | 6.8 | 35 | 1.3 | 2.38 | 23.8 | 28.56 | 6 | 9 | 9 | 0.150 | 0.340 | 0.306 | 0.219 | 0.442 | 0.397 | 0.177 | | | | |
| D | TB.D685'035L.LI#00++ | 6.8 | 35 | 0.5 | 2.38 | 23.8 | 47.6 | 6 | 9 | 9 | 0.150 | 0.548 | 0.493 | 0.219 | 0.274 | 0.246 | 0.110 | | | | |
| C | TB.C106'035C.LI#00++ | 10 | 35 | 1.6 | 3.5 | 35 | 70 | 6 | 9 | 9 | 0.110 | 0.262 | 0.236 | 0.171 | 0.257 | 0.231 | 0.103 | | | | |
| C | TB.C106'035L.LI#00++ | 10 | 35 | 0.6 | 3.5 | 35 | 70 | 6 | 9 | 9 | 0.110 | 0.428 | 0.385 | 0.171 | 0.257 | 0.231 | 0.103 | | | | |
| D | TB.D106'035C.LI#00++ | 10 | 35 | 1 | 3.5 | 35 | 70 | 6 | 9 | 9 | 0.150 | 0.387 | 0.349 | 0.155 | 0.387 | 0.349 | 0.155 | | | | |
| D | TB.D106'035L.LI#00++ | 10 | 35 | 0.3 | 3.5 | 35 | 70 | 6 | 9 | 9 | 0.150 | 0.707 | 0.636 | 0.283 | 0.212 | 0.191 | 0.085 | | | | |
| E | TB.E106'035C.LI#00++ | 10 | 35 | 0.25 | 3.5 | 35 | 70 | 6 | 9 | 10 | 0.165 | 0.812 | 0.731 | 0.325 | 0.203 | 0.183 | 0.081 | | | | |
| E | TB.E106'035L.LI#00++ | 10 | 35 | 0.2 | 3.5 | 35 | 70 | 6 | 9 | 10 | 0.165 | 0.908 | 0.817 | 0.363 | 0.182 | 0.163 | 0.073 | | | | |
| C | TB.C156'035C.LI#00++ | 15 | 35 | 1.4 | 5.25 | 52.5 | 105 | 6 | 9 | 9 | 0.110 | 0.290 | 0.252 | 0.112 | 0.392 | 0.363 | 0.157 | | | | |
| C | TB.C156'035L.LI#00++ | 15 | 35 | 0.35 | 5.25 | 52.5 | 105 | 6 | 9 | 10 | 0.110 | 0.561 | 0.505 | 0.224 | 0.196 | 0.177 | 0.078 | | | | |
| D | TB.D156'035C.LI#00++ | 15 | 35 | 0.9 | 5.25 | 52.5 | 105 | 6 | 9 | 9 | 0.150 | 0.408 | 0.367 | 0.163 | 0.367 | 0.331 | 0.147 | | | | |
| D | TB.D156'035L.LI#00++ | 15 | 35 | 0.3 | 5.25 | 52.5 | 105 | 6 | 9 | 9 | 0.150 | 0.707 | 0.636 | 0.283 | 0.212 | 0.191 | 0.085 | | | | |
| D | TB.D226'035C.LI#00++ | 22 | 35 | 0.9 | 7.7 | 77 | 154 | 6 | 9 | 9 | 0.150 | 0.408 | 0.367 | 0.163 | 0.367 | 0.331 | 0.147 | | | | |
| D | TB.D226'035L.LI#00++ | 22 | 35 | 0.4 | 7.7 | 77 | 154 | 6 | 9 | 9 | 0.150 | 0.612 | 0.551 | 0.245 | 0.245 | 0.220 | 0.098 | | | | |
| E | TB.E226'035C.LI#00++ | 22 | 35 | 0.9 | 7.7 | 77 | 154 | 6 | 9 | 9 | 0.165 | 0.428 | 0.385 | 0.171 | 0.385 | 0.347 | 0.154 | | | | |
| E | TB.E226'035L.LI#00++ | 22 | 35 | 0.3 | 7.7 | 77 | 154 | 6 | 9 | 9 | 0.165 | 0.742 | 0.667 | 0.297 | 0.222 | 0.200 | 0.089 | | | | |
| D | TB.D336'035C.LI#00++ | 33 | 35 | 0.9 | 11.55 | 115.5 | 231 | 6 | 9 | 9 | 0.150 | 0.408 | 0.367 | 0.163 | 0.367 | 0.331 | 0.147 | | | | |
| D | TB.D336'035L.LI#00++ | 33 | 35 | 0.3 | 11.55 | 115.5 | 231 | 6 | 9 | 9 | 0.150 | 0.707 | 0.636 | 0.283 | 0.212 | 0.191 | 0.085 | | | | |
| E | TB.E336'035C.LI#00++ | 33 | 35 | 0.25 | 11.55 | 115.5 | 231 | 6 | 9 | 10 | 0.165 | 0.812 | 0.731 | 0.325 | 0.203 | 0.183 | 0.081 | | | | |
| E | TB.E336'035L.LI#00++ | 33 | 35 | 0.1 | 11.55 | 115.5 | 231 | 6 | 8 | 10 | 0.165 | 1.285 | 1.156 | 0.514 | 0.128 | 0.116 | 0.051 | | | | |
| V | TB.V336'035L.LI#00++ | 33 | 35 | 0.2 | 11.55 | 115.5 | 231 | 6 | 9 | 10 | 0.250 | 1.118 | 1.006 | 0.447 | 0.224 | 0.201 | 0.089 | | | | |
| E | TB.E476'035C.LI#00++ | 47 | 35 | 0.25 | 16.45 | 164.5 | 329 | 6 | 9 | 10 | 0.165 | 0.812 | 0.731 | 0.325 | 0.203 | 0.183 | 0.081 | | | | |
| E | TB.E476'035L.LI#00++ | 47 | 35 | 0.2 | 16.45 | 164.5 | 329 | 6 | 9 | 9 | 0.165 | 0.908 | 0.817 | 0.363 | 0.182 | 0.163 | 0.073 | | | | |
| V | TB.V476'035C.LI#00++ | 47 | 35 | 0.4 | 16.45 | 164.5 | 329 | 6 | 10 | 10 | 0.250 | 0.791 | 0.712 | 0.316 | 0.224 | 0.201 | 0.089 | | | | |
| V | TB.V476'035L.LI#00++ | 47 | 35 | 0.2 | 16.45 | 164.5 | 329 | 6 | 10 | 10 | 0.250 | 1.118 | 1.006 | 0.447 | 0.224 | 0.201 | 0.089 | | | | |
| V | TB.V686'035C.LI#00++ | 68 | 35 | 0.2 | 23.8 | 238 | 476 | 6 | 9 | 10 | 0.250 | 1.118 | 1.006 | 0.447 | 0.224 | 0.201 | 0.089 | | | | |
| V | TB.V686'035L.LI#00++ | 68 | 35 | 0.15 | 23.8 | 238 | 476 | 6 | 9 | 10 | 0.250 | 1.291 | 1.162 | 0.516 | 0.194 | 0.174 | 0.077 | | | | |
| A | TB.A104'050C.LI#00++ | 0.1 | 50 | 22 | 0.05 | 0.5 | 0.6 | 6 | 8 | 8 | 0.075 | 0.058 | 0.053 | 0.023 | 1.285 | 1.156 | 0.514 | | | | |
| A | TB.A154'050C.LI#00++ | 0.15 | 50 | 21 | 0.02 | 0.2 | 0.4 | 4 | 6 | 6 | 0.075 | 0.060 | 0.054 | 0.024 | 1.255 | 1.129 | 0.502 | | | | |
| A | TB.A154'050L.LI#00++ | 0.15 | 50 | 9 | 0.075 | 0.75 | 1.5 | 4 | 6 | 6 | 0.075 | 0.091 | 0.082 | 0.037 | 0.822 | 0.739 | 0.329 | | | | |
| B | TB.B154'050C.LI#00++ | 0.15 | 50 | 17 | 0.075 | 0.75 | 0.9 | 4 | 6 | 6 | 0.085 | 0.071 | 0.064 | 0.028 | 1.202 | 1.082 | 0.481 | | | | |
| A | TB.A224'050C.LI#00++ | 0.22 | 50 | 18 | 0.11 | 1.1 | 2.2 | 4 | 6 | 6 | 0.075 | 0.065 | 0.058 | 0.026 | 1.162 | 1.046 | 0.465 | | | | |
| A | TB.A224'050L.LI#00++ | 0.22 | 50 | 7 | 0.11 | 1.1 | 2.2 | 4 | 6 | 6 | 0.075 | 0.104 | 0.093 | 0.041 | 0.725 | 0.652 | 0.290 | | | | |
| B | TB.B224'050C.LI#00++ | 0.22 | 50 | 14 | 0.11 | 1.1 | 1.32 | 4 | 6 | 6 | 0.085 | 0.078 | 0.070 | 0.031 | 1.091 | 0.982 | 0.436 | | | | |
| B | TB.B224'050L.LI#00++ | 0.22 | 50 | 12 | 0.165 | 1.65 | 1.98 | 4 | 6 | 6 | 0.085 | 0.084 | 0.076 | 0.034 | 1.010 | 0.909 | 0.404 | | | | |
| C | TB.C474'050C.LI#00++ | 0.47 | 50 | 8 | 0.235 | 2.35 | 2.82 | 4 | 6 | 6 | 0.110 | 0.117 | 0.106 | 0.047 | 0.938 | 0.844 | 0.375 | | | | |
| A | TB.A684'050C.LI#00++ | 0.68 | 50 | 7.9 | 0.34 | 3.4 | 6.8 | 4 | 6 | 8 | 0.075 | 0.097 | 0.088 | 0.039 | 0.770 | 0.693 | 0.308 | | | | |
| C | TB.C684'050C.LI#00++ | 0.68 | 50 | 7 | 0.34 | 3.4 | 4.08 | 4 | 6 | 6 | 0.110 | 0.125 | 0.113 | 0.050 | 0.877 | 0.790 | 0.351 | | | | |
| C | TB.C105'050C.LI#00++ | 1 | 50 | 6 | 0.5 | 5 | 6 | 4 | 6 | 6 | 0.110 | 0.135 | 0.122 | 0.054 | 0.812 | 0.731 | 0.325 | | | | |
| C | TB.C105'050L.LI#00++ | 1 | 50 | 2.5 | 0.5 | 5 | 10 | 4 | 6 | 6 | 0.110 | 0.210 | 0.189 | 0.084 | 0.524 | 0.472 | 0.210 | | | | |
| C | TB.C155'050C.LI#00++ | 1.5 | 50 | 5 | 0.75 | 7.5 | 15 | 6 | 8 | 9 | 0.110 | 0.148 | 0.133 | 0.059 | 0.742 | 0.667 | 0.297 | | | | |
| C | TB.C155'050L.LI#00++ | 1.5 | 50 | 1.5 | 0.75 | 7.5 | 15 | 6 | 10 | 10 | 0.110 | 0.271 | 0.244 | 0.108 | 0.406 | 0.366 | 0.162 | | | | |
| D | TB.D155'050C.LI#00++ | 1.5 | 50 | 4 | 0.75 | 7.5 | 9 | 6 | 8 | 9 | 0.150 | 0.194 | 0.174 | 0.077 | 0.775 | 0.697 | 0.310 | | | | |
| D | TB.D225'050C.LI#00++ | 2.2 | 50 | 2.5 | 1.1 | 11 | 13.2 | 6 | 8 | 9 | 0.150 | 0.245 | 0.220 | 0.098 | 0.612 | 0.551 | 0.245 | | | | |
| D | TB.D225'050L.LI#00++ | 2.2 | 50 | 1.2 | 1.1 | 11 | 22 | 6 | 9 | 10 | 0.150 | 0.354 | 0.318 | 0.141 | 0.424 | 0.382 | 0.170 | | | | |
| D | TB.D335'050C.LI#00++ | 3.3 | 50 | 2 | 1.65 | 16.5 | 19.8 | 6 | 9 | 9 | 0.150 | 0.274 | 0.246 | 0.110 | 0.548 | 0.493 | 0.219 | | | | |
| D | TB.D335'050L.LI#00++ | 3.3 | 50 | 0.8 | 1.65 | 16.5 | 33 | 6 | 9 | 10 | 0.150 | 0.433 | 0.390 | 0.173 | 0.346 | 0.312 | 0.139 | | | | |
| D | TB.D475'050C.LI#00++ | 4.7 | 50 | 1.5 | 2.35 | 23.5 | 28.2 | 6 | 9 | 9 | 0.150 | 0.316 | 0.285 | 0.126 | 0.474 | 0.427 | 0.190 | | | | |
| D | TB.D475'050L.LI#00++ | 4.7 | 50 | 0.3 | 2.35 | 23.5 | 47 | 6 | 9 | 9 | 0.150 | 0.707 | 0.636 | 0.283 | 0.212 | 0.191 | 0.085 | | | | |
| D | TB.D685'050C.LI#00++ | 6.8 | 50 | 1 | 3.4 | 34 | 68 | 6 | 9 | 9 | 0.150 | 0.387 | 0.349 | 0.155 | 0.387 | 0.349 | 0.155 | | | | |
| D | TB.D685'050L.LI#00++ | 6.8 | 50 | 0.5 | 3.4 | 34 | 68 | 6 | 9 | 9 | 0.150 | 0.548 | 0.493 | 0.219 | 0.274 | 0.246 | 0.110 | | | | |
| E | TB.E106'050C.LI#00++ | 10 | 50 | 0.5 | 5 | 50 | 100 | 6 | 9 | 10 | 0.165 | 0.574 | 0.517 | 0.230 | 0.287 | 0.259 | 0.115 | | | | |
| E | TB.E106'050L.LI#00++ | 10 | 50 | 0.4 | 5 | 50 | 100 | 6 | 9 | 10 | 0.165 | 0.642 | 0.578 | 0.257 | 0.257 | 0.231 | 0.103 | | | | |

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.

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.

| RATING & PART NUMBER REFERENCE | Parametric Specifications by Rating per MIL-PRF-55365/4 | | | | Typical RMS Ripple Data by Rating | | | | | | | | | | |
|--------------------------------|---|------------------|--------------|------------|-----------------------------------|-----------|--------------|-------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------|
| | Cap @ 120Hz | DC Rated Voltage | ESR @ 100kHz | DCL max | DF Max + (85/125)°C | | DF Max -55°C | | Power Dissipation | 25°C | 85°C | 125°C | 25°C | 85°C | 125°C |
| | µF @ 25°C | V @ +85°C | Ohms @ +25°C | (µA) +85°C | (µA) +125°C | (%) +25°C | (%) -55°C | W | Ripple Current (100kHz) A | Ripple Current (100kHz) A | Ripple Current (100kHz) A | Ripple Voltage (100kHz) V | Ripple Voltage (100kHz) V | Ripple Voltage (100kHz) V | |
| AVX COTS-Plus P/N Case | | | | | | | | | | | | | | | |
| TB1V106*050C1#00^++ | 10 | 50 | 0.65 | 50 | 100 | 3 | | 0.250 | 0.620 | 0.558 | 0.248 | 0.403 | 0.363 | 0.161 | |
| TB1D156*050C1#00^++ | 15 | 50 | 0.6 | 75 | 150 | 4 | 6 | 0.150 | 0.500 | 0.450 | 0.200 | 0.300 | 0.270 | 0.120 | |
| TB1E156*050C1#00^++ | 15 | 50 | 0.6 | 75 | 150 | 8 | 12 | 0.165 | 0.524 | 0.472 | 0.210 | 0.315 | 0.283 | 0.126 | |
| TB1E156*050L1#00^++ | 15 | 50 | 0.25 | 75 | 150 | 6 | 9 | 0.165 | 0.812 | 0.731 | 0.325 | 0.203 | 0.183 | 0.081 | |
| TB1V226*050C1#00^++ | 22 | 50 | 0.6 | 110 | 220 | 8 | 12 | 0.250 | 0.645 | 0.581 | 0.258 | 0.387 | 0.349 | 0.155 | |
| TB1V226*050L1#00^++ | 22 | 50 | 0.39 | 110 | 220 | 8 | 12 | 0.250 | 0.801 | 0.721 | 0.320 | 0.312 | 0.281 | 0.125 | |

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. **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.**

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