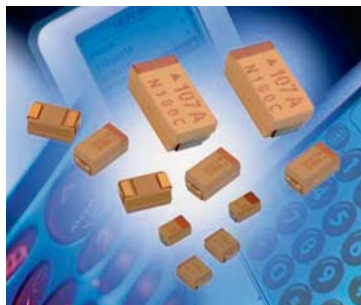


TLJ Series



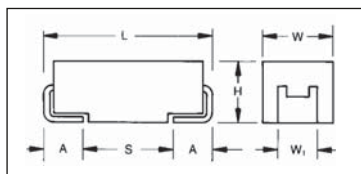
Tantalum Solid Electrolytic Chip Capacitors High CV Consumer Series



- High Volumetric Efficiency
- 3x reflow 260°C compatible
- 13 case sizes available including low profile codes
- Environmentally friendly
- Consumer applications (e.g. mobiles phones, PDA etc.)
- CV range: 10-680µF / 2.5-20V



LEAD-FREE
LEAD-FREE COMPATIBLE
COMPONENT



For part marking see page 151

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

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

HOW TO ORDER

TLJ

Type

W

Case Size
See table above

157

Capacitance Code
pF code: 1st two digits represent significant figures, 3rd digit represents multiplier (number of zeros to follow)

M

Tolerance
M = ±20%

010

Rated DC Voltage
002 = 2.5Vdc
004 = 4Vdc
006 = 6.3Vdc
010 = 10Vdc
016 = 16Vdc
020 = 20Vdc

R

Packaging
R = Pure Tin 7" Reel
S = Pure Tin 13" Reel

0200

ESR in mΩ

TECHNICAL SPECIFICATIONS

Technical Data:

All technical data relate to an ambient temperature of +25°C

Capacitance Range:

10 µF to 680 µF

Capacitance Tolerance:

±20%

Rated Voltage (V_R)

-55°C ≤ +40°C:

2.5

4

6.3

10

16

20

Category Voltage (V_C)

at 85°C:

1.25

2

3.15

5

8

10

Category Voltage (V_C)

at 125°C:

0.5

0.8

1.26

2

3.2

4

Temperature Range:

-55°C to +125°C with category voltage

Reliability:

0.2% per 1000 hours at 85°C, 0.5xV_R with 0.1Ω/V series impedance with 60% confidence level

TLJ Series



Tantalum Solid Electrolytic Chip Capacitors High CV Consumer Series

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

| Capacitance | | Rated Voltage DC to 40°C / 0.5DC to 85°C / 0.2DC to 125°C | | | | | | |
|-------------|------|---|---|--|---|---------|---------|---------|
| µF | Code | 2.5V (e) | 4V (G) | 6.3V (J) | 10V (A) | 16V (C) | 20V (D) | 35V (V) |
| 6.8 | 685 | | | | | | | |
| 10 | 106 | | | | N(2500) R(2000,3000) | S(2200) | T(1000) | |
| 15 | 156 | | | | R(2000) | | | |
| 22 | 226 | | | N(5400)/R(3500) | K(1800)/N(3800) R(3800) | T(1000) | | |
| 33 | 336 | | N(8000)/R(3000) | K(1700)/N(8000) P(3000)/R(3000) | K(1500)/N(9600) P(3500) R(3500)/S(1500) | T(1000) | | |
| 47 | 476 | | K(1500)/N(4000) P(3000)/R(3000) | K(1500)/N(8300) P(700,900,1800,2500) R(3200)/S(1500) | A(600)/G(1500) P(3200)/R(3200) S(1500)/T(600) | | | |
| 68 | 686 | | K(1200)/N(8000) P(3000) R(2900)/S(1500) | A(500)/G(800) S(1500)/T(600) | A(1500) | | | |
| 100 | 107 | | A(500)/G(800) N(5200)/P(2700) S(1400) | A(500,800)/G(800) P(5400)/T(800) | A(1400) H(900)/T(900) | | | |
| 150 | 157 | | A(800)/T(800) | A(900)/G(2500) H(900)/T(1200) | B(500) W(150,200) | | | |
| 220 | 227 | T(1100) | A(1100)/G(3000) H(900)/T(1100) | B(500)/T(2000) W(200) | F(300) | | | |
| 330 | 337 | | T(2700)/W(200) | F(300) | | | | |
| 470 | 477 | | | | | | | |
| 680 | 687 | | | Y(100,150) | | | | |
| 1000 | 108 | | | | | | | |
| 1500 | 158 | | | | | | | |

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.

TLJ Series



Tantalum Solid Electrolytic Chip Capacitors High CV Consumer Series

RATINGS & PART NUMBER REFERENCE

| AVX Part No. | Case Size | Capacitance (µF) | Rated Voltage (V) | Maximum Surge Current (A)* | DCL (µA) Max. | ESR Max. (mΩ) @100kHz | MSL | 100kHz Ripple Current (mA) | | | 100kHz Ripple Voltage (mV) | | |
|--|-----------|------------------|-------------------|----------------------------|---------------|-----------------------|-----|----------------------------|------|-------|----------------------------|------|-------|
| | | | | | | | | 25°C | 85°C | 125°C | 25°C | 85°C | 125°C |
| 2.5 Volt @ 40°C (1.25 Volt @ 85°C, 0.5 Volt @ 125°C) | | | | | | | | | | | | | |
| TLJT227M002#1200 | T | 220 | 2.5 | 0.8 | 5.5 | 1100 | 3 | 365 | 329 | 146 | 219 | 197 | 88 |
| 4 Volt @ 40°C (2 Volt @ 85°C, 0.8 Volt @ 125°C) | | | | | | | | | | | | | |
| TLJN336M004#8000 | N | 33 | 4 | 0.2 | 1.3 | 8000 | 3 | 79 | 71 | 32 | 632 | 569 | 253 |
| TLJR336M004#3000 | R | 33 | 4 | 0.6 | 1.3 | 3000 | 3 | 135 | 122 | 54 | 406 | 366 | 162 |
| TLJK476M004#1500 | K | 47 | 4 | 1.0 | 1.9 | 1500 | 3 | 208 | 187 | 83 | 312 | 281 | 125 |
| TLJN476M004#4000 | N | 47 | 4 | 0.6 | 1.9 | 4000 | 3 | 112 | 101 | 45 | 447 | 402 | 179 |
| TLJP476M004#3000 | P | 47 | 4 | 0.6 | 1.9 | 3000 | 3 | 141 | 127 | 57 | 424 | 382 | 170 |
| TLJR476M004#3000 | R | 47 | 4 | 0.6 | 1.9 | 3000 | 3 | 135 | 122 | 54 | 406 | 366 | 162 |
| TLJK686M004#1200 | K | 68 | 4 | 1.2 | 2.7 | 1200 | 3 | 233 | 209 | 93 | 279 | 251 | 112 |
| TLJN686M004#8000 | N | 68 | 4 | 0.2 | 5.4 | 8000 | 3 | 79 | 71 | 32 | 632 | 569 | 253 |
| TLJP686M004#3000 | P | 68 | 4 | 1.2 | 2.7 | 3000 | 3 | 141 | 127 | 57 | 424 | 382 | 170 |
| TLJR686M004#2900 | R | 68 | 4 | 0.6 | 2.7 | 2900 | 3 | 138 | 124 | 55 | 399 | 359 | 160 |
| TLJS686M004#1500 | S | 68 | 4 | 1.0 | 2.7 | 1500 | 3 | 208 | 187 | 83 | 312 | 281 | 125 |
| TLJA107M004#0500 | A | 100 | 4 | 2.1 | 4.0 | 500 | 3 | 387 | 349 | 155 | 194 | 174 | 77 |
| TLJG107M004#0800 | G | 100 | 4 | 1.6 | 4.0 | 800 | 3 | 296 | 266 | 118 | 237 | 213 | 95 |
| TLJN107M004#5200 | N | 100 | 4 | 0.4 | 8.0 | 5200 | 3 | 98 | 88 | 39 | 510 | 459 | 204 |
| TLJP107M004#2700 | P | 100 | 4 | 0.6 | 8.0 | 2700 | 3 | 149 | 134 | 60 | 402 | 362 | 161 |
| TLJS107M004#1400 | S | 100 | 4 | 1.1 | 4.0 | 1400 | 3 | 208 | 187 | 83 | 312 | 281 | 125 |
| TLJA157M004#0800 | A | 150 | 4 | 1.6 | 6.0 | 800 | 3 | 306 | 276 | 122 | 245 | 220 | 98 |
| TLJT157M004#0800 | T | 150 | 4 | 1.6 | 6.0 | 800 | 3 | 316 | 285 | 126 | 253 | 228 | 101 |
| TLJA227M004#1100 | A | 220 | 4 | 1.3 | 17.6 | 1100 | 3 | 261 | 235 | 104 | 287 | 259 | 115 |
| TLJG227M004#3000 | G | 220 | 4 | 0.6 | 17.6 | 3000 | 3 | 153 | 137 | 61 | 458 | 412 | 183 |
| TLJH227M004#0900 | H | 220 | 4 | 1.5 | 8.8 | 900 | 3 | 298 | 268 | 119 | 268 | 241 | 107 |
| TLJT227M004#1100 | T | 220 | 4 | 1.3 | 17.6 | 1100 | 3 | 316 | 285 | 126 | 253 | 228 | 101 |
| TLJT337M004#2700 | T | 330 | 4 | 0.6 | 26.4 | 2700 | 3 | 172 | 155 | 69 | 465 | 418 | 186 |
| TLJW337M004#0200 | W | 330 | 4 | 3.1 | 13.2 | 200 | 3 | 671 | 604 | 268 | 134 | 121 | 54 |
| 6.3 Volt @ 40°C (3.15 Volt @ 85°C, 1.26 Volt @ 125°C) | | | | | | | | | | | | | |
| TLJN226M006#5400 | N | 22 | 6.3 | 0.5 | 1.3 | 5400 | 3 | 96 | 87 | 38 | 520 | 468 | 208 |
| TLJR226M006#3500 | R | 22 | 6.3 | 0.8 | 1.3 | 3500 | 3 | 125 | 113 | 50 | 439 | 395 | 175 |
| TLJK336M006#1700 | K | 33 | 6.3 | 1.5 | 2.0 | 1700 | 3 | 196 | 176 | 78 | 332 | 299 | 133 |
| TLJN336M006#8000 | N | 33 | 6.3 | 0.4 | 2.0 | 8000 | 3 | 79 | 71 | 32 | 632 | 569 | 253 |
| TLJP336M006#3000 | P | 33 | 6.3 | 0.9 | 2.0 | 3000 | 3 | 141 | 127 | 57 | 424 | 382 | 170 |
| TLJR336M006#3000 | R | 33 | 6.3 | 0.9 | 2.0 | 3000 | 3 | 135 | 122 | 54 | 406 | 366 | 162 |
| TLJK476M006#1500 | K | 47 | 6.3 | 1.6 | 2.8 | 1500 | 3 | 208 | 187 | 83 | 312 | 281 | 125 |
| TLJN476M006#8300 | N | 47 | 6.3 | 0.4 | 5.6 | 8300 | 3 | 78 | 70 | 31 | 644 | 580 | 258 |
| TLJP476M006#0700 | P | 47 | 6.3 | 2.7 | 2.8 | 700 | 3 | 293 | 263 | 117 | 205 | 184 | 82 |
| TLJP476M006#0900 | P | 47 | 6.3 | 2.3 | 2.8 | 900 | 3 | 258 | 232 | 103 | 232 | 209 | 93 |
| TLJP476M006#1800 | P | 47 | 6.3 | 1.4 | 2.8 | 1800 | 3 | 183 | 164 | 73 | 329 | 296 | 131 |
| TLJP476M006#2500 | P | 47 | 6.3 | 1.1 | 2.8 | 2500 | 3 | 155 | 139 | 62 | 387 | 349 | 155 |
| TLJR476M006#3200 | R | 47 | 6.3 | 0.9 | 2.8 | 3200 | 3 | 131 | 118 | 52 | 420 | 378 | 168 |
| TLJS476M006#1500 | S | 47 | 6.3 | 1.6 | 2.8 | 1500 | 3 | 208 | 187 | 83 | 312 | 281 | 125 |
| TLJA686M006#0500 | A | 68 | 6.3 | 3.3 | 4.1 | 500 | 3 | 387 | 349 | 155 | 194 | 174 | 77 |
| TLJG686M006#0800 | G | 68 | 6.3 | 1.9 | 4.1 | 800 | 3 | 242 | 217 | 97 | 290 | 261 | 116 |
| TLJS686M006#1500 | S | 68 | 6.3 | 1.6 | 4.1 | 1500 | 3 | 208 | 187 | 83 | 312 | 281 | 125 |
| TLJT686M006#0600 | T | 68 | 6.3 | 3.0 | 4.1 | 600 | 3 | 365 | 329 | 146 | 219 | 197 | 88 |
| TLJA107M006#0500 | A | 100 | 6.3 | 3.3 | 6.0 | 500 | 3 | 387 | 349 | 155 | 194 | 174 | 77 |
| TLJA107M006#0800 | A | 100 | 6.3 | 2.5 | 6.0 | 800 | 3 | 306 | 276 | 122 | 245 | 220 | 98 |
| TLJG107M006#0800 | G | 100 | 6.3 | 2.5 | 6.0 | 800 | 3 | 296 | 266 | 118 | 237 | 213 | 95 |
| TLJP107M006#5400 | P | 100 | 6.3 | 0.5 | 12.0 | 5400 | 3 | 105 | 95 | 42 | 596 | 512 | 228 |
| TLJT107M006#0800 | T | 100 | 6.3 | 2.5 | 6.0 | 800 | 3 | 316 | 285 | 126 | 253 | 228 | 101 |
| TLJA157M006#0900 | A | 150 | 6.3 | 2.3 | 9.0 | 900 | 3 | 289 | 260 | 115 | 260 | 234 | 104 |
| TLJG157M006#2500 | G | 150 | 6.3 | 1.1 | 18.0 | 2500 | 3 | 167 | 151 | 67 | 418 | 376 | 167 |
| TLJH157M006#0900 | H | 150 | 6.3 | 2.3 | 9.0 | 900 | 3 | 298 | 268 | 119 | 268 | 241 | 107 |
| TLJT157M006#1200 | T | 150 | 6.3 | 1.9 | 9.0 | 1200 | 3 | 316 | 285 | 126 | 253 | 228 | 101 |
| TLJB227M006#0500 | B | 220 | 6.3 | 3.3 | 13.2 | 500 | 3 | 412 | 371 | 165 | 206 | 186 | 82 |
| TLJT227M006#2000 | T | 220 | 6.3 | 1.3 | 26.4 | 2000 | 3 | 200 | 180 | 80 | 400 | 360 | 160 |
| TLJW227M006#0200 | W | 220 | 6.3 | 4.8 | 13.2 | 200 | 3 | 671 | 604 | 268 | 134 | 121 | 54 |
| TLJF337M006#0300 | F | 330 | 6.3 | 4.2 | 19.8 | 300 | 3 | 577 | 520 | 231 | 173 | 156 | 69 |
| TLJY687M006#0100 | Y | 680 | 6.3 | 5.7 | 40.8 | 100 | 3 | 1118 | 1006 | 447 | 112 | 101 | 45 |
| TLJY687M006#0150 | Y | 680 | 6.3 | 5.7 | 40.8 | 150 | 3 | 913 | 822 | 365 | 137 | 123 | 55 |

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.

ESR allowed to move up to 1.25 times catalogue limit post mounting
DCL allowed to move up to 2.00 times catalogue limit post mounting

For typical weight and composition see page 144.

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.



TLJ Series



Tantalum Solid Electrolytic Chip Capacitors High CV Consumer Series

RATINGS & PART NUMBER REFERENCE

| AVX Part No. | Case Size | Capacitance (µF) | Rated Voltage (V) | Maximum Surge Current (A)* | DCL (µA) Max. | ESR Max. (mΩ) @100kHz | MSL | 100kHz Ripple Current (mA) | | | 100kHz Ripple Voltage (mV) | | |
|---|-----------|------------------|-------------------|----------------------------|---------------|-----------------------|-----|----------------------------|------|-------|----------------------------|------|-------|
| | | | | | | | | 25°C | 85°C | 125°C | 25°C | 85°C | 125°C |
| 10 Volt @ 40°C (5 Volt @ 85°C, 2 Volt @ 125°C) | | | | | | | | | | | | | |
| TLJN106M010#2500 | N | 10 | 10 | 1.7 | 1.0 | 2500 | 3 | 141 | 127 | 57 | 354 | 318 | 141 |
| TLJR106M010#2000 | R | 10 | 10 | 2.0 | 1.0 | 2000 | 3 | 166 | 149 | 66 | 332 | 298 | 133 |
| TLJR106M010#3000 | R | 10 | 10 | 1.4 | 1.0 | 3000 | 3 | 135 | 122 | 54 | 406 | 366 | 162 |
| TLJR156M010#2000 | R | 15 | 10 | 2.0 | 1.5 | 2000 | 3 | 166 | 149 | 66 | 332 | 298 | 133 |
| TLJK226M010#1800 | K | 22 | 10 | 2.2 | 2.2 | 1800 | 3 | 190 | 171 | 76 | 342 | 308 | 137 |
| TLJN226M010#3800 | N | 22 | 10 | 1.2 | 2.2 | 3800 | 3 | 115 | 103 | 46 | 436 | 392 | 174 |
| TLJR226M010#3800 | R | 22 | 10 | 1.2 | 2.2 | 3800 | 3 | 120 | 108 | 48 | 457 | 411 | 183 |
| TLJK336M010#1500 | K | 33 | 10 | 2.6 | 3.3 | 1500 | 3 | 208 | 187 | 83 | 312 | 281 | 125 |
| TLJN336M010#9600 | N | 33 | 10 | 0.5 | 6.6 | 9600 | 3 | 72 | 65 | 29 | 693 | 624 | 277 |
| TLJP336M010#3500 | P | 33 | 10 | 1.3 | 3.3 | 3500 | 3 | 141 | 127 | 57 | 424 | 382 | 170 |
| TLJR336M010#3500 | R | 33 | 10 | 1.3 | 3.3 | 3500 | 3 | 125 | 113 | 50 | 439 | 395 | 175 |
| TLJS336M010#1500 | S | 33 | 10 | 2.6 | 3.3 | 1500 | 3 | 208 | 187 | 83 | 312 | 281 | 125 |
| TLJA476M010#0600 | A | 47 | 10 | 4.8 | 4.7 | 600 | 3 | 354 | 318 | 141 | 212 | 191 | 85 |
| TLJG476M010#1500 | G | 47 | 10 | 2.6 | 4.7 | 1500 | 3 | 216 | 194 | 86 | 324 | 292 | 130 |
| TLJP476M010#3200 | P | 47 | 10 | 1.4 | 4.7 | 3200 | 3 | 137 | 123 | 55 | 438 | 394 | 175 |
| TLJR476M010#3200 | R | 47 | 10 | 1.4 | 9.4 | 3200 | 3 | 131 | 118 | 52 | 420 | 378 | 168 |
| TLJS476M010#1500 | S | 47 | 10 | 2.6 | 4.7 | 1500 | 3 | 208 | 187 | 83 | 312 | 281 | 125 |
| TLJT476M010#0600 | T | 47 | 10 | 4.8 | 4.7 | 600 | 3 | 365 | 329 | 146 | 219 | 197 | 88 |
| TLJA686M010#1500 | A | 68 | 10 | 2.6 | 6.8 | 1500 | 3 | 224 | 201 | 89 | 335 | 302 | 134 |
| TLJA107M010#1400 | A | 100 | 10 | 2.7 | 10.0 | 1400 | 3 | 231 | 208 | 93 | 324 | 292 | 130 |
| TLJH107M010#0900 | H | 100 | 10 | 3.7 | 10.0 | 900 | 3 | 298 | 268 | 119 | 268 | 241 | 107 |
| TLJT107M010#0900 | T | 100 | 10 | 3.7 | 10.0 | 900 | 3 | 298 | 268 | 119 | 268 | 241 | 107 |
| TLJB157M010#0500 | B | 150 | 10 | 5.3 | 15.0 | 500 | 3 | 412 | 371 | 165 | 206 | 186 | 82 |
| TLJW157M010#0150 | W | 150 | 10 | 8.3 | 15.0 | 150 | 3 | 775 | 697 | 310 | 116 | 105 | 46 |
| TLJW157M010#0200 | W | 150 | 10 | 7.7 | 15.0 | 200 | 3 | 671 | 604 | 268 | 134 | 121 | 54 |
| TLJF227M010#0300 | F | 220 | 10 | 6.7 | 22.0 | 300 | 3 | 577 | 520 | 231 | 173 | 156 | 69 |
| 16 Volt @ 40°C (8 Volt @ 85°C, 3.2 Volt @ 125°C) | | | | | | | | | | | | | |
| TLJS106M016#2200 | S | 10 | 16 | 3.0 | 1.6 | 2200 | 3 | 172 | 155 | 69 | 378 | 340 | 151 |
| TLJT226M016#1000 | T | 22 | 16 | 5.5 | 3.5 | 1000 | 3 | 283 | 255 | 113 | 283 | 255 | 113 |
| TLJT336M016#1000 | T | 33 | 16 | 5.5 | 5.3 | 1000 | 3 | 283 | 255 | 113 | 283 | 255 | 113 |
| 20 Volt @ 40°C (10 Volt @ 85°C, 4 Volt @ 125°C) | | | | | | | | | | | | | |
| TLJT106M020#1000 | T | 10 | 20 | 6.9 | 2.0 | 1000 | 3 | 283 | 255 | 113 | 283 | 255 | 113 |

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.

ESR allowed to move up to 1.25 times catalogue limit post mounting

DCL allowed to move up to 2.00 times catalogue limit post mounting

For typical weight and composition see page 144.

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.

