

# TLJ Series



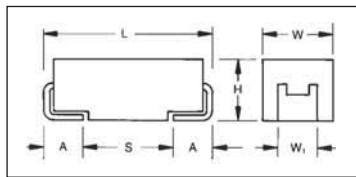
## Tantalum Solid Electrolytic Chip Capacitors High CV Consumer Series



- 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 COMPATIBLE COMPONENT



For part marking see page 130

### CASE DIMENSIONS: millimeters (inches)

| Code | EIA Code | EIA Metric | L±0.20 (0.008) | W+0.20 (0.008)<br>-0.10 (0.004) | H+0.20 (0.008)<br>-0.10 (0.004) | W <sub>1</sub> ±0.20 (0.008) | A+0.30 (0.012)<br>-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)                    | 1.0 (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)                    | 1.0 (0.039) max                 | 1.0 (0.039)                  | 0.5 (0.020)                     | 0.85 (0.033) |
| P    | 0805     | 2012-15    | 2.05 (0.081)   | 1.35 (0.053)                    | 1.50 (0.059) max                | 1.0±0.1 (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                | 1.0±0.1 (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) |

W<sub>1</sub> 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 <sub>R</sub> )    | -55°C ≤ +40°C: | 2.5  | 4   | 6.3  | 10 | 16  | 20 |  |
|------------------------------------|----------------|------|-----|------|----|-----|----|--|
| Category Voltage (V <sub>C</sub> ) | at 85°C:       | 1.25 | 2   | 3.15 | 5  | 8   | 10 |  |
| Category Voltage (V <sub>C</sub> ) | 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<sub>R</sub> 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)<br>R(2000,3000)                             | S(2200) | T(1000) |         |
| 15          | 156  |                                                           |                                               |                                                            | R(2000)                                             |         |         |         |
| 22          | 226  |                                                           |                                               | N(5400)/R(3500)                                            | K(1800)/N(3800)<br>R(3800)                          | T(1000) |         |         |
| 33          | 336  |                                                           | N(8000)/R(3000)                               | K(1700)/N(8000)<br>P(3000)/R(3000)                         | K(1500)/N(9600)<br>P(3500)<br>R(3500)/S(1500)       | T(1000) |         |         |
| 47          | 476  |                                                           | K(1500)/N(4000)<br>P(3000)/R(3000)            | K(1500)/N(8300)<br>P(700,900,1800,2500)<br>R(3200)/S(1500) | A(600)/G(1500)<br>P(3200)/R(3200)<br>S(1500)/T(600) |         |         |         |
| 68          | 686  |                                                           | K(1200)/N(8000)<br>P(3000)<br>R(2900)/S(1500) | A(500)/G(800)<br>S(1500)/T(600)                            | A(1500)                                             |         |         |         |
| 100         | 107  |                                                           | A(500)/G(800)<br>N(5200)/P(2700)<br>S(1400)   | A(500,800)/G(800)<br>P(5400)/T(800)                        | A(1400)<br>H(900)/T(900)                            |         |         |         |
| 150         | 157  |                                                           | A(800)/T(800)                                 | A(900)/G(2500)<br>H(900)/T(1200)                           | B(500)<br>W(150,200)                                |         |         |         |
| 220         | 227  | T(1100)                                                   | A(1100)/G(3000)<br>H(900)/T(1100)             | B(500)/T(2000)<br>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<br>Part No.                                       | Case<br>Size | Capacitance<br>(μF) | Rated<br>Voltage<br>(V) | Maximum<br>Surge<br>Current (A)* | DCL<br>(μA)<br>Max. | ESR<br>Max. (mΩ)<br>@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 123.

**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<br>Part No.                                  | Case<br>Size | Capacitance<br>(μF) | Rated<br>Voltage<br>(V) | Maximum<br>Surge<br>Current (A)* | DCL<br>(μA)<br>Max. | ESR<br>Max. (mΩ)<br>@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 123.

**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.**

