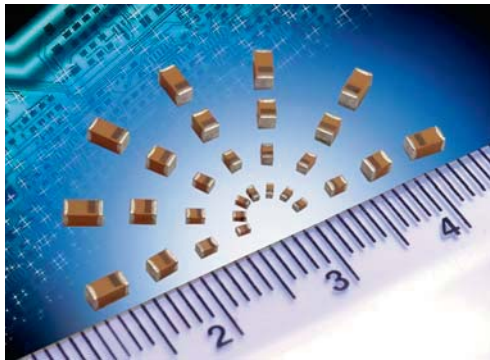


## Standard Microchip



- The world's smallest surface mount tantalum capacitor
- CV range: 0.10-150µF / 2-25V
- 5 case sizes available
- Low profile options available
- Industrial and hi-rel medical applications



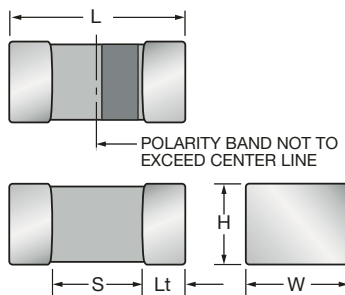
LEAD-FREE

LEAD-FREE COMPATIBLE  
COMPONENT



RoHS  
COMPLIANT

### CASE DIMENSIONS: millimeters (inches)



| Code | EIA Code | EIA Metric | L+0.20 (0.008)<br>-0.00 (0.000) | W+0.15 (0.006)<br>-0.00 (0.000)                 | H+0.15 (0.006)<br>-0.00 (0.000)                 | Termination Spacing(S) | Minimum Termination Length (Lt) |
|------|----------|------------|---------------------------------|-------------------------------------------------|-------------------------------------------------|------------------------|---------------------------------|
| A    | 1206     | 3216-18    | 3.20 ± 0.20<br>(0.126 ± 0.008)  | 1.60 ± 0.20<br>(0.06 ± 0.008)                   | 1.60 ± 0.20<br>(0.063 ± 0.008)                  | 1.80 (0.071) min       | 0.15 (0.006)                    |
| B    | 1210     | 3528-15    | 3.50 ± 0.20<br>(0.138 ± 0.008)  | 2.80 +0.20<br>-0.10<br>(0.110 +0.008<br>-0.004) | 1.50 (0.059) max                                | 2.00 (0.079) min       | 0.15 (0.006)                    |
| K    | 0402     | 1005-07    | 1.00 (0.039)                    | 0.50 +0.20<br>-0.00<br>(0.020 +0.008<br>-0.000) | 0.50 +0.20<br>-0.00<br>(0.020 +0.008<br>-0.000) | 0.40 (0.016) min       | 0.10 (0.004)                    |
| L    | 0603     | 1608-10    | 1.60 (0.063)                    | 0.85 (0.033)                                    | 0.85 (0.033)                                    | 0.55 (0.022) min       | 0.15 (0.006)                    |
| R    | 0805     | 2012-15    | 2.00 (0.079)                    | 1.35 (0.053)                                    | 1.35 (0.053)                                    | 0.70 (0.027) min       | 0.15 (0.006)                    |

### HOW TO ORDER

|                                     |                                          |                                                                                                                                                      |                                           |                                                                                                                                                                |                                                                                                                                                                                                                     |                                                                          |
|-------------------------------------|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| <b>TAC</b><br>Type<br>TACmicrochip® | <b>L</b><br>Case Size<br>See table above | <b>226</b><br>Capacitance Code<br>pF code: 1st two digits represent significant figures, 3rd digit represents multiplier (number of zeros to follow) | <b>M</b><br>Tolerance<br>K=±10%<br>M=±20% | <b>004</b><br>Rated DC Voltage<br>002=2Vdc<br>003=3Vdc<br>004=4Vdc<br>006=6.3Vdc<br>010=10Vdc<br>016=16Vdc<br>020=20Vdc<br>025=25Vdc<br>035=35Vdc<br>050=50Vdc | <b>R</b><br>Packaging<br>R, P = 7" Standard Tin Termination Plastic Tape<br>X, Q = 4 1/4" Standard Tin Termination Plastic Tape<br>A = 7" Gold Termination Plastic Tape<br>F = 4 1/4" Gold Termination Plastic Tape | <b>TA</b><br>Alternative characters may be used for special requirements |
|-------------------------------------|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|

### TECHNICAL SPECIFICATIONS

|                                    |                                                                                              |     |     |     |     |    |    |    |    |    |    |
|------------------------------------|----------------------------------------------------------------------------------------------|-----|-----|-----|-----|----|----|----|----|----|----|
| Technical Data:                    | All technical data relate to an ambient temperature of +25°C                                 |     |     |     |     |    |    |    |    |    |    |
| Capacitance Range:                 | 0.10 µF to 150 µF                                                                            |     |     |     |     |    |    |    |    |    |    |
| Capacitance Tolerance:             | ±10%; ±20%                                                                                   |     |     |     |     |    |    |    |    |    |    |
| Leakage Current DCL:               | 0.01CV or 0.5µA whichever is the greater                                                     |     |     |     |     |    |    |    |    |    |    |
| Rated Voltage (V <sub>R</sub> )    | ≤ +85°C:                                                                                     | 2   | 3   | 4   | 6.3 | 10 | 16 | 20 | 25 | 35 | 50 |
| Category Voltage (V <sub>C</sub> ) | ≤ +125°C:                                                                                    | 1.3 | 2   | 2.7 | 4   | 7  | 10 | 13 | 17 | 23 | 33 |
| Surge Voltage (V <sub>S</sub> )    | ≤ +85°C:                                                                                     | 2.7 | 3.9 | 5.2 | 8   | 13 | 20 | 26 | 32 | 46 | 65 |
| Surge Voltage (V <sub>S</sub> )    | ≤ +125°C:                                                                                    | 1.7 | 2.6 | 3.2 | 5   | 8  | 12 | 16 | 20 | 28 | 40 |
| Temperature Range:                 | -55°C to +125°C                                                                              |     |     |     |     |    |    |    |    |    |    |
| Reliability:                       | 1% per 1000 hours at 85°C, V <sub>R</sub> with 0.1Ω/V series impedance, 60% confidence level |     |     |     |     |    |    |    |    |    |    |
| Termination Finish:                | Nickel and Tin Plating (standard),<br>Nickel and Gold Plating option available upon request  |     |     |     |     |    |    |    |    |    |    |

## Standard Microchip

### STANDARD COMMERCIAL RANGE (EIA SIZES) (LETTER DENOTES CASE SIZE)

| Capacitance |      | Voltage Rating DC (V <sub>R</sub> ) at 85°C |                                    |                                    |                     |                                                      |                  |                  |     |     |     |
|-------------|------|---------------------------------------------|------------------------------------|------------------------------------|---------------------|------------------------------------------------------|------------------|------------------|-----|-----|-----|
| µF          | Code | 2.0V                                        | 3.0V                               | 4.0V                               | 6.3V                | 10V                                                  | 16V              | 20V              | 25V | 35V | 50V |
| 0.10        | 104  |                                             |                                    |                                    |                     | K <sup>(M)</sup>                                     | K <sup>(M)</sup> | K*               |     | L*  |     |
| 0.15        | 154  |                                             |                                    |                                    |                     | K <sup>(M)</sup>                                     | K <sup>(M)</sup> |                  |     |     |     |
| 0.22        | 224  |                                             |                                    |                                    |                     | K <sup>(M)</sup>                                     | K <sup>(M)</sup> | K <sup>(M)</sup> |     | L*  |     |
| 0.33        | 334  |                                             |                                    |                                    |                     | K <sup>(M)</sup>                                     | K <sup>(M)</sup> |                  |     |     |     |
| 0.47        | 474  |                                             |                                    |                                    |                     | K <sup>(M)</sup> /L                                  | L                |                  |     |     |     |
| 0.68        | 684  |                                             |                                    |                                    |                     | K <sup>(M)</sup> /L                                  | L                |                  |     |     |     |
| 1.0         | 105  |                                             |                                    |                                    | K/L                 | K/L                                                  | L                |                  | R   |     | A*  |
| 1.5         | 155  |                                             |                                    | L                                  | L                   | L                                                    |                  |                  |     |     |     |
| 2.2         | 225  |                                             | K <sup>(M)</sup> /L                | L                                  | K <sup>(M)</sup> /L | L                                                    | L                |                  |     |     |     |
| 3.3         | 335  | K <sup>(M)</sup> /L                         | K <sup>(M)</sup> /L                | L                                  | L                   | L/R                                                  | R*               | R <sup>(M)</sup> |     |     |     |
| 4.7         | 475  | K <sup>(M)</sup> /L                         | K <sup>(M)</sup> /L                | L                                  | L                   | L/R                                                  |                  | R <sup>(M)</sup> | A*  |     |     |
| 6.8         | 685  | K <sup>(M)</sup> /L                         | L                                  | L                                  | L/R                 | L/R                                                  |                  |                  |     |     |     |
| 10          | 106  | K <sup>(M)</sup> /L                         | L                                  | L/R                                | L <sup>(M)</sup> /R | L/R                                                  | R                |                  |     |     |     |
| 15          | 156  |                                             | R                                  | L <sup>(M)</sup> /R                | L <sup>(M)</sup> /R | R                                                    |                  |                  |     |     |     |
| 22          | 226  | R                                           | L <sup>(M)</sup> /R                | L <sup>(M)</sup> /R                | R                   | R                                                    |                  |                  |     |     |     |
| 33          | 336  | R                                           | R                                  | R                                  | R                   | A <sup>(M)</sup> /B <sup>(M)</sup> /R <sup>(M)</sup> |                  |                  |     |     |     |
| 47          | 476  | R                                           | R                                  | R                                  | A/R <sup>(M)</sup>  | B                                                    |                  |                  |     |     |     |
| 68          | 686  | R <sup>(M)</sup>                            | R <sup>(M)</sup>                   | A <sup>(M)</sup>                   | A <sup>(M)</sup> *  |                                                      |                  |                  |     |     |     |
| 100         | 107  |                                             | A <sup>(M)</sup> /R <sup>(M)</sup> | A <sup>(M)</sup> /R <sup>(M)</sup> | A <sup>(M)</sup>    |                                                      |                  |                  |     |     |     |
| 150         | 157  | A <sup>(M)</sup>                            |                                    |                                    |                     |                                                      |                  |                  |     |     |     |
| 220         | 227  |                                             |                                    |                                    |                     |                                                      |                  |                  |     |     |     |

ESR limits quoted in brackets (Ohms)

Released codes <sup>(M tolerance only)</sup>

Engineering samples - please contact manufacturer

\*Codes under development - subject to change.

Standard Height Profile: A, B, K, L, R Case

Low Profile: H, J, T, U, V Case

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

### RATINGS & PART NUMBER REFERENCE

| AVX Part No.                            | EIA Code | EIA Metric | Case Size | Cap (µF) | Rated Voltage (V) | DCL (µA) Max. | DF % Max. | ESR Max. (Ω) @100kHz | MSL |
|-----------------------------------------|----------|------------|-----------|----------|-------------------|---------------|-----------|----------------------|-----|
| <b>2 Volt @ 85°C (1.3 Volt @ 125°C)</b> |          |            |           |          |                   |               |           |                      |     |
| TACK335M002#TA                          | 0402     | 1005-07    | K         | 3.3      | 2                 | 0.5           | 8         | 15                   | 1   |
| TACL335*002#TA                          | 0603     | 1608-10    | L         | 3.3      | 2                 | 0.5           | 6         | 7.5                  | 1   |
| TACK475M002#TA                          | 0402     | 1005-07    | K         | 4.7      | 2                 | 0.5           | 12        | 15                   | 1   |
| TACL475*002#TA                          | 0603     | 1608-10    | L         | 4.7      | 2                 | 0.5           | 6         | 7.5                  | 1   |
| TACK685M002#TA                          | 0402     | 1005-07    | K         | 6.8      | 2                 | 0.5           | 20        | 15                   | 1   |
| TACL685*002#TA                          | 0603     | 1608-10    | L         | 6.8      | 2                 | 0.5           | 6         | 7.5                  | 1   |
| TACK106M002#TA                          | 0402     | 1005-07    | K         | 10       | 2                 | 0.5           | 15        | 15                   | 1   |
| TACL106*002#TA                          | 0603     | 1608-10    | L         | 10       | 2                 | 0.5           | 10        | 7.5                  | 1   |
| TACK226*002#TA                          | 0805     | 2012-15    | R         | 22       | 2                 | 0.5           | 8         | 5                    | 1   |
| TACR336*002#TA                          | 0805     | 2012-15    | R         | 33       | 2                 | 0.7           | 10        | 5                    | 1   |
| TACR476*002#TA                          | 0805     | 2012-15    | R         | 47       | 2                 | 0.9           | 10        | 5                    | 1   |
| TACR686M002#TA                          | 0805     | 2012-15    | R         | 68       | 2                 | 1.4           | 14        | 5                    | 1   |
| TACA157M002#TA                          | 1206     | 3216-18    | A         | 150      | 2                 | 3             | 20        | 1                    | 1   |
| <b>3 Volt @ 85°C (2 Volt @ 125°C)</b>   |          |            |           |          |                   |               |           |                      |     |
| TACK225M003#TA                          | 0402     | 1005-07    | K         | 2.2      | 3                 | 0.5           | 6         | 15                   | 1   |
| TACL225*003#TA                          | 0603     | 1608-10    | L         | 2.2      | 3                 | 0.5           | 6         | 7.5                  | 1   |
| TACK335M003#TA                          | 0402     | 1005-07    | K         | 3.3      | 3                 | 0.5           | 8         | 15                   | 1   |
| TACL335*003#TA                          | 0603     | 1608-10    | L         | 3.3      | 3                 | 0.5           | 6         | 7.5                  | 1   |
| TACK475M003#TA                          | 0402     | 1005-07    | K         | 4.7      | 3                 | 0.5           | 12        | 15                   | 1   |
| TACL475*003#TA                          | 0603     | 1608-10    | L         | 4.7      | 3                 | 0.5           | 6         | 7.5                  | 1   |
| TACK685*003#TA                          | 0603     | 1608-10    | L         | 6.8      | 3                 | 0.5           | 6         | 7.5                  | 1   |
| TACL106*003#TA                          | 0603     | 1608-10    | L         | 10       | 3                 | 0.5           | 10        | 7.5                  | 1   |
| TACR156*003#TA                          | 0805     | 2012-15    | R         | 15       | 3                 | 0.5           | 8         | 5                    | 1   |
| TACK226M003#TA                          | 0603     | 1608-10    | L         | 22       | 3                 | 0.7           | 20        | 7.5                  | 1   |
| TACR226*003#TA                          | 0805     | 2012-15    | R         | 22       | 3                 | 0.7           | 8         | 5                    | 1   |
| TACR336*003#TA                          | 0805     | 2012-15    | R         | 33       | 3                 | 1             | 10        | 5                    | 1   |
| TACR476*003#TA                          | 0805     | 2012-15    | R         | 47       | 3                 | 1.5           | 10        | 5                    | 1   |
| TACR686M003#TA                          | 0805     | 2012-15    | R         | 68       | 3                 | 2             | 14        | 5                    | 1   |
| TACA107M003#TA                          | 1206     | 3216-18    | A         | 100      | 3                 | 3             | 15        | 1                    | 1   |
| TACR107M003#TA                          | 0805     | 2012-15    | R         | 100      | 3                 | 3             | 30        | 5                    | 1   |
| <b>4 Volt @ 85°C (2.7 Volt @ 125°C)</b> |          |            |           |          |                   |               |           |                      |     |
| TACL155*004#TA                          | 0603     | 1608-10    | L         | 1.5      | 4                 | 0.5           | 6         | 7.5                  | 1   |
| TACL225*004#TA                          | 0603     | 1608-10    | L         | 2.2      | 4                 | 0.5           | 6         | 7.5                  | 1   |
| TACL335*004#TA                          | 0603     | 1608-10    | L         | 3.3      | 4                 | 0.5           | 6         | 7.5                  | 1   |
| TACL475*004#TA                          | 0603     | 1608-10    | L         | 4.7      | 4                 | 0.5           | 6         | 7.5                  | 1   |
| TACL685*004#TA                          | 0603     | 1608-10    | L         | 6.8      | 4                 | 0.5           | 8         | 7.5                  | 1   |
| TACL106*004#TA                          | 0603     | 1608-10    | L         | 10       | 4                 | 0.5           | 10        | 7.5                  | 1   |
| TACR106*004#TA                          | 0805     | 2012-15    | R         | 10       | 4                 | 0.5           | 8         | 5                    | 1   |
| TACL156M004#TA                          | 0603     | 1608-10    | L         | 15       | 4                 | 0.6           | 20        | 7.5                  | 1   |
| TACR156*004#TA                          | 0805     | 2012-15    | R         | 15       | 4                 | 0.6           | 8         | 5                    | 1   |
| TACL226M004#TA                          | 0603     | 1608-10    | L         | 22       | 4                 | 0.9           | 20        | 7.5                  | 1   |
| TACR226*004#TA                          | 0805     | 2012-15    | R         | 22       | 4                 | 0.9           | 8         | 5                    | 1   |
| TACR336*004#TA                          | 0805     | 2012-15    | R         | 33       | 4                 | 1.3           | 10        | 5                    | 1   |
| TACR476*004#TA                          | 0805     | 2012-15    | R         | 47       | 4                 | 1.9           | 14        | 5                    | 1   |
| TACA686M004#TA                          | 1206     | 3216-18    | A         | 68       | 4                 | 2.7           | 15        | 1                    | 1   |
| TACA107M004#TA                          | 1206     | 3216-18    | A         | 100      | 4                 | 4             | 20        | 1                    | 1   |
| TACR107M004#TA                          | 0805     | 2012-15    | R         | 100      | 4                 | 4             | 30        | 5                    | 1   |
| <b>6.3 Volt @ 85°C (4 Volt @ 125°C)</b> |          |            |           |          |                   |               |           |                      |     |
| TACK105*006#TA                          | 0402     | 1005-07    | K         | 1        | 6.3               | 0.5           | 6         | 15                   | 1   |
| TACL105*006#TA                          | 0603     | 1608-10    | L         | 1        | 6.3               | 0.5           | 6         | 7.5                  | 1   |
| TACL155*006#TA                          | 0603     | 1608-10    | L         | 1.5      | 6.3               | 0.5           | 6         | 7.5                  | 1   |
| TACK225M006#TA                          | 0402     | 1005-07    | K         | 2.2      | 6.3               | 0.5           | 8         | 15                   | 1   |
| TACL225*006#TA                          | 0603     | 1608-10    | L         | 2.2      | 6.3               | 0.5           | 6         | 7.5                  | 1   |
| TACL335*006#TA                          | 0603     | 1608-10    | L         | 3.3      | 6.3               | 0.5           | 6         | 7.5                  | 1   |
| TACL475*006#TA                          | 0603     | 1608-10    | L         | 4.7      | 6.3               | 0.5           | 8         | 7.5                  | 1   |
| TACL685*006#TA                          | 0603     | 1608-10    | L         | 6.8      | 6.3               | 0.5           | 10        | 7.5                  | 1   |
| TACR685*006#TA                          | 0805     | 2012-15    | R         | 6.8      | 6.3               | 0.5           | 8         | 5                    | 1   |

| AVX Part No.                            | EIA Code | EIA Metric | Case Size | Cap (µF) | Rated Voltage (V) | DCL (µA) Max. | DF % Max. | ESR Max. (Ω) @100kHz | MSL |
|-----------------------------------------|----------|------------|-----------|----------|-------------------|---------------|-----------|----------------------|-----|
| <b>10 Volt @ 85°C (7 Volt @ 125°C)</b>  |          |            |           |          |                   |               |           |                      |     |
| TACK106M006#TA                          | 0603     | 1608-10    | L         | 10       | 6.3               | 0.6           | 10        | 6                    | 1   |
| TACR106*006#TA                          | 0805     | 2012-15    | R         | 10       | 6.3               | 0.6           | 8         | 5                    | 1   |
| TACK156M006#TA                          | 0603     | 1608-10    | L         | 15       | 6.3               | 0.9           | 20        | 7.5                  | 1   |
| TACR156*006#TA                          | 0805     | 2012-15    | R         | 15       | 6.3               | 0.9           | 8         | 5                    | 1   |
| TACK226*006#TA                          | 0805     | 2012-15    | R         | 22       | 6.3               | 1.4           | 10        | 5                    | 1   |
| TACR336*006#TA                          | 0805     | 2012-15    | R         | 33       | 6.3               | 2.1           | 12        | 5                    | 1   |
| TACA476*006#TA                          | 1206     | 3216-18    | A         | 47       | 6.3               | 3             | 15        | 1                    | 1   |
| TACR476M006#TA                          | 0805     | 2012-15    | R         | 47       | 6.3               | 3             | 20        | 5                    | 1   |
| TACA686M006#TA                          | 1206     | 3216-18    | A         | 68       | 6.3               | 4.3           | 15        | 1                    | 1   |
| TACA107M006#TA                          | 1206     | 3216-18    | A         | 100      | 6.3               | 6.3           | 20        | 1                    | 1   |
| <b>10 Volt @ 85°C (7 Volt @ 125°C)</b>  |          |            |           |          |                   |               |           |                      |     |
| TACK154M010#TA                          | 0402     | 1005-07    | K         | 0.15     | 10                | 0.5           | 6         | 40                   | 1   |
| TACK224M010#TA                          | 0402     | 1005-07    | K         | 0.22     | 10                | 0.5           | 6         | 30                   | 1   |
| TACK334M010#TA                          | 0402     | 1005-07    | K         | 0.33     | 10                | 0.5           | 6         | 20                   | 1   |
| TACK474M010#TA                          | 0402     | 1005-07    | K         | 0.47     | 10                | 0.5           | 6         | 15                   | 1   |
| TACL474*010#TA                          | 0603     | 1608-10    | L         | 0.47     | 10                | 0.5           | 6         | 7.5                  | 1   |
| TACK684M010#TA                          | 0402     | 1005-07    | K         | 0.68     | 10                | 0.5           | 8         | 15                   | 1   |
| TACL684*010#TA                          | 0603     | 1608-10    | L         | 0.68     | 10                | 0.5           | 6         | 7.5                  | 1   |
| TACK105*010#TA                          | 0402     | 1005-07    | K         | 1        | 10                | 0.5           | 6         | 15                   | 1   |
| TACL105*010#TA                          | 0603     | 1608-10    | L         | 1        | 10                | 0.5           | 6         | 7.5                  | 1   |
| TACL155*010#TA                          | 0603     | 1608-10    | L         | 1.5      | 10                | 0.5           | 6         | 7.5                  | 1   |
| TACL225*010#TA                          | 0603     | 1608-10    | L         | 2.2      | 10                | 0.5           | 6         | 7.5                  | 1   |
| TACL335*010#TA                          | 0603     | 1608-10    | L         | 3.3      | 10                | 0.5           | 8         | 7.5                  | 1   |
| TACR335*010#TA                          | 0805     | 2012-15    | R         | 3.3      | 10                | 0.5           | 8         | 5                    | 1   |
| TACL475*010#TA                          | 0603     | 1608-10    | L         | 4.7      | 10                | 0.5           | 10        | 6                    | 1   |
| TACR475*010#TA                          | 0805     | 2012-15    | R         | 4.7      | 10                | 0.5           | 8         | 6                    | 1   |
| TACL685*010#TA                          | 0603     | 1608-10    | L         | 6.8      | 10                | 0.7           | 20        | 7.5                  | 1   |
| TACR685*010#TA                          | 0805     | 2012-15    | R         | 6.8      | 10                | 0.7           | 8         | 5                    | 1   |
| TACL106*010#TA                          | 0603     | 1608-10    | L         | 10       | 10                | 1             | 20        | 7.5                  | 1   |
| TACL106*010#TA                          | 0805     | 2012-15    | R         | 10       | 10                | 1             | 8         | 5                    | 1   |
| TACR156*010#TA                          | 0805     | 2012-15    | R         | 15       | 10                | 1.5           | 10        | 5                    | 1   |
| TACR226*010#TA                          | 0805     | 2012-15    | R         | 22       | 10                | 2.2           | 14        | 5                    | 1   |
| TACA336M010#TA                          | 1206     | 3216-18    | A         | 33       | 10                | 3.3           | 12        | 1                    | 1   |
| TACB336*010#TA                          | 1210     | 3528-15    | B         | 33       | 10                | 3.3           | 15        | 1                    | 1   |
| TACR336M010#TA                          | 0805     | 2012-15    | R         | 33       | 10                | 3.3           | 20        | 5                    | 1   |
| TACB476*010#TA                          | 1210     | 3528-15    | B         | 47       | 10                | 4.7           | 15        | 1                    | 1   |
| <b>16 Volt @ 85°C (10 Volt @ 125°C)</b> |          |            |           |          |                   |               |           |                      |     |
| TACK104M016#TA                          | 0402     | 1005-07    | K         | 0.1      | 16                | 0.5           | 6         | 40                   | 1   |
| TACK154M016#TA                          | 0402     | 1005-07    | K         | 0.15     | 16                | 0.5           | 6         | 30                   | 1   |
| TACK224M016#TA                          | 0402     | 1005-07    | K         | 0.22     | 16                | 0.5           | 6         | 20                   | 1   |
| TACK334M016#TA                          | 0402     | 1005-07    | K         | 0.33     | 16                | 0.5           | 6         | 20                   | 1   |
| TACL474*016#TA                          | 0603     | 1608-10    | L         | 0.47     | 16                | 0.5           | 6         | 7.5                  | 1   |
| TACL684*016#TA                          | 0603     | 1608-10    | L         | 0.68     | 16                | 0.5           | 6         | 7.5                  | 1   |
| TACL105*016#TA                          | 0603     | 1608-10    | L         | 1        | 16                | 0.5           | 6         | 7.5                  | 1   |
| TACL225*016#TA                          | 0603     | 1608-10    | L         | 2.2      | 16                | 0.5           | 10        | 7.5                  | 1   |
| TACR335*016#TA                          | 0805     | 2012-15    | R         | 3.3      | 16                | 0.5           | 8         | 5                    | 1   |
| TACR106*016#TA                          | 0805     | 2012-15    | R         | 10       | 16                | 1.6           | 10        | 5                    | 1   |
| <b>20 Volt @ 85°C (13 Volt @ 125°C)</b> |          |            |           |          |                   |               |           |                      |     |
| TACK104*020#TA                          | 0402     | 1005-07    | K         | 0.10     | 20                | 0.5           | 6         | 40                   | 1   |
| TACK224M020#TA                          | 0402     | 1005-07    | K         | 0.22     | 20                | 0.5           | 6         | 20                   | 1   |
| TACR335M020#TA                          | 0805     | 2012-15    | R         | 3.3      | 20                | 0.7           | 8         | 5                    | 1   |
| TACR475M020#TA                          | 0805     | 2012-15    | R         | 4.7      | 20                | 0.9           | 8         | 5                    | 1   |
| <b>25 Volt @ 85°C (17 Volt @ 125°C)</b> |          |            |           |          |                   |               |           |                      |     |
| TACR105*025#TA                          | 0805     | 2012-15    | R         | 1        | 25                | 0.5           | 8         | 5                    | 1   |
| TACA475*025#TA                          | 1206     | 3216-18    | A         | 4.7      | 25                | 1.2           | 8         | 1                    | 1   |
| <b>50 Volt @ 85°C (33 Volt @ 125°C)</b> |          |            |           |          |                   |               |           |                      |     |
| TACA105*050#TA                          | 1206     | 3216-18    | A         | 1.0      | 50                | 0.5           | 6         | 1                    | 1   |

Moisture Sensitivity Level (MSL) is defined according to J-STD-020.

All technical data relates to an ambient temperature of +25°C. Capacitance and DF are measured at 120Hz, 0.5V RMS with a maximum DC bias of 2.2 volts. DCL is measured at rated voltage after 5 minutes.

For typical weight and composition see page 142.

**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.