

# TAJ Series



## Low Profile



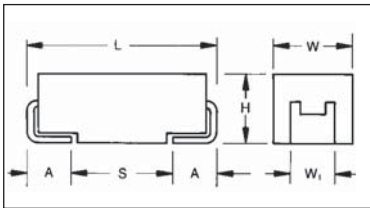
TAJ low profile solid tantalum chip capacitors are designed for boards with limited height. The capacitors are available in maximum height of 1.0, 1.2, 1.5 and 2.0mm.

The S&T footprints are identical to the A&B case size parts and the W&Y footprints to C&D case size parts.

### CASE DIMENSIONS: millimeters (inches)

| Code | EIA Code | L±0.20 (0.008) | W+0.20 (0.008)<br>-0.10 (0.004) | H Max.       | W <sub>1</sub> ±0.20 (0.008) | A±0.30 (0.012)<br>-0.20 (0.008) | S Min.       |
|------|----------|----------------|---------------------------------|--------------|------------------------------|---------------------------------|--------------|
| F    | 6032-20  | 6.00 (0.236)   | 3.20 (0.126)                    | 2.00 (0.079) | 2.20 (0.087)                 | 1.30 (0.051)                    | 2.90 (0.114) |
| G    | 3216-16  | 3.20 (0.126)   | 1.60 (0.063)                    | 1.60 (0.063) | 1.20 (0.047)                 | 0.80 (0.031)                    | 1.10 (0.043) |
| H    | 3528-15  | 3.50 (0.138)   | 2.80 (0.110)                    | 1.50 (0.059) | 2.20 (0.087)                 | 0.80 (0.031)                    | 1.40 (0.055) |
| K    | 3216-10  | 3.20 (0.126)   | 1.60 (0.063)                    | 1.00 (0.039) | 1.20 (0.047)                 | 0.80 (0.031)                    | 0.40 (0.016) |
| P    | 2012-15  | 2.05 (0.081)   | 1.35 (0.053)                    | 1.50 (0.059) | 1.0±0.1<br>(0.039±0.004)     | 0.50 (0.020)                    | 0.85 (0.033) |
| R    | 2012-12  | 2.05 (0.081)   | 1.30 (0.051)                    | 1.20 (0.047) | 1.0±0.1<br>(0.039±0.004)     | 0.50 (0.020)                    | 0.85 (0.033) |
| S    | 3216-12  | 3.20 (0.126)   | 1.60 (0.063)                    | 1.20 (0.047) | 1.20 (0.047)                 | 0.80 (0.031)                    | 1.10 (0.043) |
| T    | 3528-12  | 3.50 (0.138)   | 2.80 (0.110)                    | 1.20 (0.047) | 2.20 (0.087)                 | 0.80 (0.031)                    | 1.40 (0.055) |
| W    | 6032-15  | 6.00 (0.236)   | 3.20 (0.126)                    | 1.50 (0.059) | 2.20 (0.087)                 | 1.30 (0.051)                    | 2.90 (0.114) |
| Y    | 7343-20  | 7.30 (0.287)   | 4.30 (0.169)                    | 2.00 (0.079) | 2.40 (0.094)                 | 1.30 (0.051)                    | 4.40 (0.173) |
| X    | 7343-15  | 7.30 (0.287)   | 4.30 (0.169)                    | 1.50 (0.059) | 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.



For part marking see page 177

### HOW TO ORDER

**TAJ**

Type

**Y**

Case Size  
See table above

**107**

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

**M**

Tolerance  
K=±10%  
M=±20%

**010**

Rated DC Voltage  
002=2.5Vdc  
004=4Vdc  
006=6.3Vdc  
010=10Vdc  
016=16Vdc  
020=20Vdc  
025=25Vdc  
035=35Vdc  
050=50Vdc

**R**

Packaging  
R = 7" T/R  
(Lead Free since production date 1/1/04)  
S = 13" T/R  
(Lead Free since production date 1/1/04)  
A = Gold Plating  
7" Reel  
B = Gold Plating  
13" Reel

**\*\***

Additional characters may be added for special requirements

### TECHNICAL SPECIFICATIONS

|                                    |   |     |     |     |    |    |    |    |    |    |
|------------------------------------|---|-----|-----|-----|----|----|----|----|----|----|
| Technical Data:                    | All technical data relate to an ambient temperature of +25°C                                    |     |     |     |    |    |    |    |    |    |
| Capacitance Range:                 | 0.1 µF to 1000 µF   |     |     |     |    |    |    |    |    |    |
| Capacitance Tolerance:             | ±10%; ±20%  |     |     |     |    |    |    |    |    |    |
| Rated Voltage (V <sub>R</sub> )    | ≧ +85°C:  | 2.5 | 4   | 6.3 | 10 | 16 | 20 | 25 | 35 | 50 |
| Category Voltage (V <sub>C</sub> ) | ≧ +125°C:   | 1.7 | 2.7 | 4   | 7  | 10 | 13 | 17 | 23 | 33 |
| Surge Voltage (V <sub>S</sub> )    | ≧ +85°C:  | 3.3 | 5.2 | 8   | 13 | 20 | 26 | 32 | 46 | 65 |
| Surge Voltage (V <sub>S</sub> )    | ≧ +125°C:   | 2.2 | 3.4 | 5   | 8  | 13 | 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,<br>60% confidence level |     |     |     |    |    |    |    |    |    |
|                                    | Meets requirements of AEC-Q200  |     |     |     |    |    |    |    |    |    |



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

| Capacitance   |      | Rated voltage DC ( $V_R$ ) to 85°C |                           |                           |   |                     |         |         |         |         |
|---------------|------|------------------------------------|---------------------------|---------------------------|---|---------------------|---------|---------|---------|---------|
| $\mu\text{F}$ | Code | 2.5V (e)                           | 4V (G)                    | 6.3V (J)                  | 10V (A)                                   | 16V (C)             | 20V (D) | 25V (E) | 35V (V) | 50V (T) |
| 0.10          | 104  |                                    |                           |                           |   |                     | R/S     |         | R/S     | S       |
| 0.15          | 154  |                                    |                           |                           |   |                     | R/S     | R       | R/S     | S       |
| 0.22          | 224  |                                    |                           |                           |   |                     | R/S     | R       | R/S     | S       |
| 0.33          | 334  |                                    |                           |                           |   |                     | R/S     | R       | R/S     | S/T     |
| 0.47          | 474  |                                    |                           |                           |   |                     | R/S     | R/S     | R/S/T   | S/T     |
| 0.68          | 684  |                                    |                           |                           |   | R/S                 | R/S/T   | R/S     | P/S/T   |         |
| 1.0           | 105  |                                    |                           |                           | R/S                                       | R/S/T               | R/S/T   | P/R/S   | P/S/T   | W       |
| 1.5           | 155  |                                    |                           | R/S                       | R/S                                       | R/S                 | P/R/S/T | P/S/T   | T       | W       |
| 2.2           | 225  |                                    | R/S                       | R/S                       | R/S                                       | R/S/T               | P/R/S/T | T       | T       |         |
| 3.3           | 335  |                                    | R/S                       | R/S                       | R/S/T                                     | R/S/T               | T       | T/W     | W       | Y       |
| 4.7           | 475  | R                                  | R/S                       | R/S/T                     | R/S/T                                     | K/P/S/T             | T       | T/W     | W       | Y       |
| 6.8           | 685  | R                                  | R/S/T                     | R/S/T                     | P/R/S/T                                   | S/T                 | T       | W       | Y       | Y       |
| 10            | 106  | R/S                                | R/S/T                     | P/R/S/T                   | K/P <sup>(M)</sup> /R <sup>(M)</sup> /S/T | T/W                 | W       | W       | XY      |         |
| 15            | 156  | R                                  | R/S/T                     | K/P/R/S/T                 | S/T/W                                     | T <sup>(M)</sup> /W | W       | Y       | Y       |         |
| 22            | 226  | P/R                                | K/P/R/S/T                 | K/P <sup>(M)</sup> /S/T/W | T/W                                       | W                   | W/Y     | Y       | Y       |         |
| 33            | 336  | K/P/S                              | K/P <sup>(M)</sup> /S/T/W | T/W                       | W   | W/Y                 | XY      | Y       |         |         |
| 47            | 476  | P <sup>(M)</sup> /S                | T/W                       | T/W                       | W/Y                                       | W/X/Y               | XY      | Y       |         |         |
| 68            | 686  | T                                  | T/W                       | W                         | W/Y                                       | F/X/Y               | Y       |         |         |         |
| 100           | 107  | T/W                                | T <sup>(M)</sup> /W       | W/Y                       | W/X/Y                                     | F <sup>(M)</sup> /Y |         |         |         |         |
| 150           | 157  | T <sup>(M)</sup> /W                | W/Y                       | W/X/Y                     | F/X <sup>(M)</sup> /Y                     | Y <sup>(M)</sup>    |         |         |         |         |
| 220           | 227  | W/Y                                | W/X/Y                     | F/X/Y                     | Y   |                     |         |         |         |         |
| 330           | 337  | W <sup>(M)</sup> /Y                | F/X/Y                     | Y                         |   |                     |         |         |         |         |
| 470           | 477  | F/Y                                | Y                         | Y                         |   |                     |         |         |         |         |
| 680           | 687  | Y                                  | Y <sup>(M)</sup>          |                           |   |                     |         |         |         |         |
| 1000          | 108  | Y <sup>(M)</sup>                   |                           |                           |   |                     |         |         |         |         |

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

Developmental Ratings - 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.

### RATINGS & PART NUMBER REFERENCE

| AVX Part No. | Case Size | Capacitance (µF) | Rated Voltage (V) | DCL (µA) Max. | DF % Max. | ESR Max. (Ω) @100kHz |
|--------------|-----------|------------------|-------------------|---------------|-----------|----------------------|
| TAJR475*002# | R         | 4.7              | 2.5               | 0.5           | 6         | 20                   |
| TAJR685*002# | R         | 6.8              | 2.5               | 0.5           | 6         | 20                   |
| TAJR106*002# | R         | 10               | 2.5               | 0.5           | 8         | 4.5                  |
| TAJS106*002# | S         | 10               | 2.5               | 0.5           | 6         | 8                    |
| TAJR156*002# | R         | 15               | 2.5               | 0.5           | 8         | 4.1                  |
| TAJP226*002# | P         | 22               | 2.5               | 0.5           | 8         | 3.5                  |
| TAJR226*002# | R         | 22               | 2.5               | 0.5           | 8         | 3.8                  |
| TAJK336*002# | K         | 33               | 2.5               | 0.8           | 8         | 1.7                  |
| TAJP336*002# | P         | 33               | 2.5               | 0.7           | 8         | 3.5                  |
| TAJS336*002# | S         | 33               | 2.5               | 0.7           | 8         | 1.5                  |
| TAJP476M002# | P         | 47               | 2.5               | 1.2           | 12        | 3.2                  |
| TAJS476*002# | S         | 47               | 2.5               | 1.2           | 8         | 1.6                  |
| TAJT686*002# | T         | 68               | 2.5               | 1.4           | 8         | 1.5                  |
| TAJT107*002# | T         | 100              | 2.5               | 2.5           | 15        | 1.3                  |
| TAJW107*002# | W         | 100              | 2.5               | 2.5           | 8         | 0.4                  |
| TAJT157M002# | T         | 150              | 2.5               | 3.8           | 18        | 1.2                  |
| TAJW157*002# | W         | 150              | 2.5               | 3.8           | 8         | 0.3                  |
| TAJW227*002# | W         | 220              | 2.5               | 5.5           | 8         | 0.3                  |
| TAJY227*002# | Y         | 220              | 2.5               | 5.5           | 8         | 0.3                  |
| TAJW337M002# | W         | 330              | 2.5               | 8.2           | 12        | 0.3                  |
| TAJY337*002# | Y         | 330              | 2.5               | 8.2           | 8         | 0.3                  |
| TAJF477*002# | F         | 470              | 2.5               | 11.8          | 12        | 0.3                  |
| TAJY477*002# | Y         | 470              | 2.5               | 11            | 12        | 0.2                  |
| TAJY687*002# | Y         | 680              | 2.5               | 17            | 12        | 0.2                  |
| TAJY108M002# | Y         | 108              | 2.5               | 25            | 30        | 0.2                  |
| TAJR225*004# | R         | 2.2              | 4                 | 0.5           | 6         | 25                   |
| TAJS225*004# | S         | 2.2              | 4                 | 0.5           | 6         | 25                   |
| TAJR335*004# | R         | 3.3              | 4                 | 0.5           | 6         | 20                   |
| TAJS335*004# | S         | 3.3              | 4                 | 0.5           | 6         | 18                   |
| TAJR475*004# | R         | 4.7              | 4                 | 0.5           | 6         | 12                   |
| TAJS475*004# | S         | 4.7              | 4                 | 0.5           | 6         | 10                   |
| TAJR685*004# | R         | 6.8              | 4                 | 0.5           | 6         | 5.2                  |
| TAJS685*004# | S         | 6.8              | 4                 | 0.5           | 6         | 8                    |
| TAJT685*004# | T         | 6.8              | 4                 | 0.5           | 6         | 6                    |
| TAJR106*004# | R         | 10               | 4                 | 0.5           | 6         | 7                    |
| TAJS106*004# | S         | 10               | 4                 | 0.5           | 6         | 6                    |
| TAJT106*004# | T         | 10               | 4                 | 0.6           | 6         | 5                    |
| TAJR156*004# | R         | 15               | 4                 | 0.6           | 8         | 4                    |
| TAJS156*004# | S         | 15               | 4                 | 0.6           | 8         | 4                    |
| TAJT156*004# | T         | 15               | 4                 | 0.6           | 6         | 2                    |
| TAJK226*004# | K         | 22               | 4                 | 0.9           | 8         | 1.8                  |
| TAJP226*004# | P         | 22               | 4                 | 0.9           | 8         | 5                    |
| TAJR226*004# | R         | 22               | 4                 | 0.9           | 8         | 3.8                  |
| TAJS226*004# | S         | 22               | 4                 | 0.9           | 8         | 3.5                  |
| TAJT226*004# | T         | 22               | 4                 | 0.9           | 6         | 1.9                  |
| TAJK336*004# | K         | 33               | 4                 | 1.3           | 10        | 1.7                  |
| TAJP336M004# | P         | 33               | 4                 | 1.3           | 8         | 3.4                  |
| TAJS336*004# | S         | 33               | 4                 | 1.3           | 8         | 1.7                  |
| TAJT336*004# | T         | 33               | 4                 | 1.3           | 6         | 1.7                  |
| TAJW336*004# | W         | 33               | 4                 | 1.3           | 6         | 0.6                  |
| TAJT476*004# | T         | 47               | 4                 | 1.9           | 10        | 2                    |
| TAJW476*004# | W         | 47               | 4                 | 1.9           | 6         | 0.5                  |
| TAJT686*004# | T         | 68               | 4                 | 2.7           | 15        | 1.5                  |
| TAJW686*004# | W         | 68               | 4                 | 2.7           | 6         | 0.4                  |
| TAJT107M004# | T         | 100              | 4                 | 4             | 14        | 1.4                  |
| TAJW107*004# | W         | 100              | 4                 | 4             | 6         | 1.3                  |
| TAJW157*004# | W         | 150              | 4                 | 6             | 6         | 1.3                  |
| TAJY157*004# | Y         | 150              | 4                 | 6             | 6         | 0.4                  |
| TAJW227*004# | W         | 220              | 4                 | 8.8           | 8         | 1.2                  |
| TAJX227*004# | X         | 220              | 4                 | 8.8           | 8         | 0.9                  |
| TAJY227*004# | Y         | 220              | 4                 | 8.8           | 8         | 0.3                  |
| TAJF337*004# | F         | 330              | 4                 | 13.2          | 10        | 0.3                  |
| TAJX337*004# | X         | 330              | 4                 | 13.2          | 8         | 0.3                  |
| TAJY477*004# | Y         | 470              | 4                 | 18.8          | 14        | 0.9                  |

| AVX Part No. | Case Size | Capacitance (µF) | Rated Voltage (V) | DCL (µA) Max. | DF % Max. | ESR Max. (Ω) @100kHz |
|--------------|-----------|------------------|-------------------|---------------|-----------|----------------------|
| TAJY687M004# | Y         | 680              | 4                 | 27.2          | 25        | 0.2                  |
| TAJR155*006# | R         | 1.5              | 6.3               | 0.5           | 6         | 2                    |
| TAJS155*006# | S         | 1.5              | 6.3               | 0.5           | 6         | 25                   |
| TAJR225*006# | R         | 2.2              | 6.3               | 0.5           | 6         | 20                   |
| TAJS225*006# | S         | 2.2              | 6.3               | 0.5           | 6         | 18                   |
| TAJR335*006# | R         | 3.3              | 6.3               | 0.5           | 6         | 12                   |
| TAJS335*006# | S         | 3.3              | 6.3               | 0.5           | 6         | 9                    |
| TAJR475*006# | R         | 4.7              | 6.3               | 0.5           | 6         | 7                    |
| TAJS475*006# | S         | 4.7              | 6.3               | 0.5           | 6         | 7.5                  |
| TAJT475*006# | T         | 4.7              | 6.3               | 0.5           | 6         | 6                    |
| TAJR685*006# | R         | 6.8              | 6.3               | 0.5           | 8         | 7                    |
| TAJS685*006# | S         | 6.8              | 6.3               | 0.5           | 6         | 2.6                  |
| TAJT685*006# | T         | 6.8              | 6.3               | 0.5           | 6         | 5                    |
| TAJR106*006# | R         | 10               | 6.3               | 0.6           | 8         | 6                    |
| TAJS106*006# | S         | 10               | 6.3               | 0.6           | 8         | 4                    |
| TAJT106*006# | T         | 10               | 6.3               | 0.6           | 6         | 4                    |
| TAJK156*006# | K         | 15               | 6.3               | 0.9           | 6         | 2                    |
| TAJP156*006# | P         | 15               | 6.3               | 0.9           | 8         | 3.5                  |
| TAJR156*006# | R         | 15               | 6.3               | 0.9           | 8         | 4.1                  |
| TAJS156*006# | S         | 15               | 6.3               | 0.9           | 8         | 4                    |
| TAJT156*006# | T         | 15               | 6.3               | 0.9           | 6         | 3.5                  |
| TAJK226*006# | K         | 22               | 6.3               | 1.3           | 10        | 1.8                  |
| TAJP226M006# | P         | 22               | 6.3               | 1.3           | 8         | 3.8                  |
| TAJS226*006# | S         | 22               | 6.3               | 1.3           | 10        | 1.8                  |
| TAJT226*006# | T         | 22               | 6.3               | 1.4           | 8         | 2.5                  |
| TAJW226*006# | W         | 22               | 6.3               | 1.3           | 6         | 0.6                  |
| TAJT336*006# | T         | 33               | 6.3               | 2.1           | 10        | 2.5                  |
| TAJW336*006# | W         | 33               | 6.3               | 2.1           | 6         | 1.8                  |
| TAJT476*006# | T         | 47               | 6.3               | 2.8           | 10        | 1.6                  |
| TAJW476*006# | W         | 47               | 6.3               | 3             | 6         | 1.5                  |
| TAJW686*006# | W         | 68               | 6.3               | 4.3           | 6         | 1.5                  |
| TAJY107*006# | Y         | 100              | 6.3               | 6.3           | 6         | 0.9                  |
| TAJW107*006# | W         | 100              | 6.3               | 6.3           | 6         | 0.9                  |
| TAJW157*006# | W         | 150              | 6.3               | 9             | 8         | 0.3                  |
| TAJX157*006# | X         | 150              | 6.3               | 9.5           | 6         | 0.9                  |
| TAJY157*006# | Y         | 150              | 6.3               | 9             | 6         | 0.4                  |
| TAJF227*006# | F         | 220              | 6.3               | 13.2          | 10        | 0.3                  |
| TAJX227*006# | X         | 220              | 6.3               | 13.2          | 8         | 0.3                  |
| TAJY227*006# | Y         | 220              | 6.3               | 13.9          | 10        | 0.9                  |
| TAJY337*006# | Y         | 330              | 6.3               | 20.8          | 12        | 0.4                  |
| TAJY477*006# | Y         | 470              | 6.3               | 28.2          | 20        | 0.2                  |
| TAJR105*010# | R         | 1                | 10                | 0.5           | 4         | 25                   |
| TAJS105*010# | S         | 1                | 10                | 0.5           | 4         | 25                   |
| TAJR155*010# | R         | 1.5              | 10                | 0.5           | 6         | 20                   |
| TAJS155*010# | S         | 1.5              | 10                | 0.5           | 6         | 20                   |
| TAJR225*010# | R         | 2.2              | 10                | 0.5           | 6         | 15                   |
| TAJS225*010# | S         | 2.2              | 10                | 0.5           | 6         | 12                   |
| TAJR335*010# | R         | 3.3              | 10                | 0.5           | 6         | 8                    |
| TAJS335*010# | S         | 3.3              | 10                | 0.5           | 6         | 8                    |
| TAJT335*010# | T         | 3.3              | 10                | 0.5           | 6         | 6                    |
| TAJR475*010# | R         | 4.7              | 10                | 0.5           | 6         | 9                    |
| TAJS475*010# | S         | 4.7              | 10                | 0.5           | 6         | 5                    |
| TAJT475*010# | T         | 4.7              | 10                | 0.5           | 6         | 5                    |
| TAJP685*010# | P         | 6.8              | 10                | 0.7           | 6         | 5                    |
| TAJR685*010# | R         | 6.8              | 10                | 0.7           | 6         | 5.2                  |
| TAJS685*010# | S         | 6.8              | 10                | 0.7           | 6         | 4                    |
| TAJT685*010# | T         | 6.8              | 10                | 0.7           | 6         | 4                    |
| TAJR106M010# | R         | 10               | 10                | 1             | 20        | 6                    |
| TAJK106*010# | K         | 10               | 10                | 1             | 6         | 2.2                  |
| TAJP106M010# | P         | 10               | 10                | 1             | 8         | 6                    |
| TAJS106*010# | S         | 10               | 10                | 1             | 8         | 4                    |
| TAJT106*010# | T         | 10               | 10                | 1             | 6         | 3                    |
| TAJS156*010# | S         | 15               | 10                | 1.5           | 6         | 2                    |

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.

\* Insert K for ±10% and M for ±20% Capacitance Tolerance

# Standard Plating – Insert R for 7" reel and S for 13" reel  
# Gold Plating – Insert A for 7" reel and B for 13" reel

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

### RATINGS & PART NUMBER REFERENCE

| AVX Part No. | Case Size | Capacitance (µF) | Rated Voltage (V) | DCL (µA) Max. | DF % Max. | ESR Max. (Ω) @100kHz |
|--------------|-----------|------------------|-------------------|---------------|-----------|----------------------|
| TAJT156*010# | T         | 15               | 10                | 1.5           | 8         | 2.8                  |
| TAJW156*010# | W         | 15               | 10                | 1.5           | 6         | 0.7                  |
| TAJT226*010# | T         | 22               | 10                | 2.2           | 8         | 2.2                  |
| TAJW226*010# | W         | 22               | 10                | 2.2           | 6         | 0.6                  |
| TAJW336*010# | W         | 33               | 10                | 3.3           | 6         | 1.6                  |
| TAJW476*010# | W         | 47               | 10                | 4.7           | 6         | 1.4                  |
| TAJY476*010# | Y         | 47               | 10                | 4.7           | 6         | 0.5                  |
| TAJY686*010# | Y         | 68               | 10                | 6.8           | 6         | 0.9                  |
| TAJW686*010# | W         | 68               | 10                | 6.8           | 6         | 1.3                  |
| TAJW107*010# | W         | 100              | 10                | 10            | 6         | 0.4                  |
| TAJX107*010# | X         | 100              | 10                | 10            | 8         | 0.9                  |
| TAJY107*010# | Y         | 100              | 10                | 10            | 6         | 0.9                  |
| TAJF157*010# | F         | 150              | 10                | 15            | 10        | 0.3                  |
| TAJX157M010# | X         | 150              | 10                | 15            | 6         | 0.3                  |
| TAJY157*010# | Y         | 150              | 10                | 15            | 6         | 1.2                  |
| TAJY227*010# | Y         | 220              | 10                | 22            | 10        | 0.5                  |
| TAJR684*016# | R         | 0.68             | 16                | 0.5           | 4         | 25                   |
| TAJS684*016# | S         | 0.68             | 16                | 0.5           | 4         | 25                   |
| TAJR105*016# | R         | 1                | 16                | 0.5           | 4         | 20                   |
| TAJS105*016# | S         | 1                | 16                | 0.5           | 4         | 15                   |
| TAJT105*016# | T         | 1                | 16                | 0.5           | 4         | 5                    |
| TAJR155*016# | R         | 1.5              | 16                | 0.5           | 6         | 10                   |
| TAJS155*016# | S         | 1.5              | 16                | 0.5           | 6         | 12                   |
| TAJR225*016# | R         | 2.2              | 16                | 0.5           | 6         | 6.5                  |
| TAJS225*016# | S         | 2.2              | 16                | 0.5           | 6         | 6                    |
| TAJT225*016# | T         | 2.2              | 16                | 0.5           | 6         | 6.5                  |
| TAJR335*016# | R         | 3.3              | 16                | 0.5           | 8         | 5                    |
| TAJS335*016# | S         | 3.3              | 16                | 0.5           | 6         | 5                    |
| TAJT335*016# | T         | 3.3              | 16                | 0.5           | 6         | 5                    |
| TAJK475*016# | K         | 4.7              | 16                | 0.8           | 6         | 3.1                  |
| TAJP475*016# | P         | 4.7              | 16                | 0.8           | 8         | 5                    |
| TAJS475*016# | S         | 4.7              | 16                | 0.8           | 8         | 4.5                  |
| TAJT475*016# | T         | 4.7              | 16                | 0.8           | 6         | 3.1                  |
| TAJS685*016# | S         | 6.8              | 16                | 1.1           | 8         | 2.4                  |
| TAJT685*016# | T         | 6.8              | 16                | 1.1           | 6         | 3.5                  |
| TAJT106*016# | T         | 10               | 16                | 1.6           | 8         | 2.2                  |
| TAJW106*016# | W         | 10               | 16                | 1.6           | 6         | 2                    |
| TAJT156M016# | T         | 15               | 16                | 2.4           | 6         | 2                    |
| TAJW156*016# | W         | 15               | 16                | 2.4           | 6         | 0.7                  |
| TAJW226*016# | W         | 22               | 16                | 3.5           | 6         | 1.6                  |
| TAJW336*016# | W         | 33               | 16                | 5.3           | 6         | 1.5                  |
| TAJY336*016# | Y         | 33               | 16                | 5.3           | 6         | 0.9                  |
| TAJW476*016# | W         | 47               | 16                | 7.5           | 6         | 0.4                  |
| TAJX476*016# | X         | 47               | 16                | 7.5           | 6         | 0.9                  |
| TAJY476*016# | Y         | 47               | 16                | 7.5           | 6         | 0.7                  |
| TAJF686*016# | F         | 68               | 16                | 10.9          | 10        | 0.4                  |
| TAJX686*016# | X         | 68               | 16                | 10.9          | 8         | 0.6                  |
| TAJY686*016# | Y         | 68               | 16                | 10.9          | 6         | 0.9                  |
| TAJF107M016# | F         | 100              | 16                | 16            | 10        | 0.4                  |
| TAJY107*016# | Y         | 10               | 16                | 16            | 8         | 0.9                  |
| TAJ157M016#  | Y         | 150              | 16                | 24            | 15        | 0.3                  |
| TAJR104*020# | R         | 0.1              | 20                | 0.5           | 4         | 25                   |
| TAJS104*020# | S         | 0.1              | 20                | 0.5           | 4         | 25                   |
| TAJR154*020# | R         | 0.15             | 20                | 0.5           | 4         | 25                   |
| TAJS154*020# | S         | 0.15             | 20                | 0.5           | 4         | 25                   |
| TAJR224*020# | R         | 0.22             | 20                | 0.5           | 4         | 25                   |
| TAJS224*020# | S         | 0.22             | 20                | 0.5           | 4         | 25                   |
| TAJR334*020# | R         | 0.33             | 20                | 0.5           | 4         | 25                   |
| TAJS334*020# | S         | 0.33             | 20                | 0.5           | 4         | 25                   |
| TAJR474*020# | R         | 0.47             | 20                | 0.5           | 4         | 25                   |
| TAJS474*020# | S         | 0.47             | 20                | 0.5           | 4         | 25                   |
| TAJR684*020# | R         | 0.68             | 20                | 0.5           | 4         | 20                   |
| TAJS684*020# | S         | 0.68             | 20                | 0.5           | 4         | 25                   |
| TAJT684*020# | T         | 0.68             | 20                | 0.5           | 4         | 15                   |
| TAJR105*020# | R         | 1                | 20                | 0.5           | 4         | 20                   |

| AVX Part No. | Case Size | Capacitance (µF) | Rated Voltage (V) | DCL (µA) Max. | DF % Max. | ESR Max. (Ω) @100kHz |
|--------------|-----------|------------------|-------------------|---------------|-----------|----------------------|
| TAJS105*020# | S         | 1                | 20                | 0.5           | 4         | 12                   |
| TAJT105*020# | T         | 1                | 20                | 0.5           | 4         | 9                    |
| TAJP155*020# | P         | 1.5              | 20                | 0.5           | 6         | 9.6                  |
| TAJR155*020# | R         | 1.5              | 20                | 0.5           | 6         | 9.6                  |
| TAJS155*020# | S         | 1.5              | 20                | 0.5           | 6         | 5.4                  |
| TAJT155*020# | T         | 1.5              | 20                | 0.5           | 6         | 6.5                  |
| TAJP225*020# | P         | 2.2              | 20                | 0.5           | 6         | 8.3                  |
| TAJR225*020# | R         | 2.2              | 20                | 0.5           | 6         | 6                    |
| TAJS225*020# | S         | 2.2              | 20                | 0.5           | 6         | 4.5                  |
| TAJT225*020# | T         | 2.2              | 20                | 0.5           | 6         | 6                    |
| TAJT335*020# | T         | 3.3              | 20                | 0.7           | 6         | 3                    |
| TAJT475*020# | T         | 4.7              | 20                | 0.9           | 6         | 3.1                  |
| TAJT685*020# | T         | 6.8              | 20                | 1.4           | 6         | 2.6                  |
| TAJW106*020# | W         | 10               | 20                | 2             | 6         | 1.9                  |
| TAJW156*020# | W         | 15               | 20                | 3             | 6         | 1.7                  |
| TAJY226*020# | Y         | 22               | 20                | 4.4           | 6         | 0.9                  |
| TAJW226*020# | W         | 22               | 20                | 4.4           | 6         | 1.6                  |
| TAJX336*020# | X         | 33               | 20                | 6.6           | 6         | 0.5                  |
| TAJY336*020# | Y         | 33               | 20                | 6.6           | 6         | 0.6                  |
| TAJX476*020# | X         | 47               | 20                | 9.4           | 6         | 0.4                  |
| TAJY476*020# | Y         | 47               | 20                | 9.4           | 6         | 0.9                  |
| TAJY686*020# | Y         | 68               | 20                | 13.6          | 6         | 0.9                  |
| TAJR154*025# | R         | 0.15             | 25                | 0.5           | 4         | 24                   |
| TAJR224*025# | R         | 0.22             | 25                | 0.5           | 4         | 21                   |
| TAJR334*025# | R         | 0.33             | 25                | 0.5           | 4         | 17                   |
| TAJR474*025# | R         | 0.47             | 25                | 0.5           | 4         | 15                   |
| TAJS474*025# | S         | 0.47             | 25                | 0.5           | 4         | 14                   |
| TAJR684*025# | R         | 0.68             | 25                | 0.5           | 4         | 13                   |
| TAJS684*025# | S         | 0.68             | 25                | 0.5           | 4         | 10                   |
| TAJP105*025# | P         | 1                | 25                | 0.5           | 4         | 11                   |
| TAJR105*025# | R         | 1                | 25                | 0.5           | 4         | 8                    |
| TAJS105*025# | S         | 1                | 25                | 0.5           | 4         | 8                    |
| TAJP105*025# | P         | 1.5              | 25                | 0.5           | 6         | 9.6                  |
| TAJS155*025# | S         | 1.5              | 25                | 0.5           | 6         | 5.4                  |
| TAJT155*025# | T         | 1.5              | 25                | 0.5           | 6         | 5                    |
| TAJT225*025# | T         | 2.2              | 25                | 0.6           | 6         | 4.5                  |
| TAJT335*025# | T         | 3.3              | 25                | 0.8           | 6         | 3.5                  |
| TAJW335*025# | W         | 3.3              | 25                | 0.8           | 6         | 1.6                  |
| TAJT475*025# | T         | 4.7              | 25                | 1.2           | 6         | 3.1                  |
| TAJW475*025# | W         | 4.7              | 25                | 1.2           | 6         | 1.2                  |
| TAJW685*025# | W         | 6.8              | 25                | 1.7           | 6         | 2                    |
| TAJW106*025# | W         | 10               | 25                | 2.5           | 6         | 1.8                  |
| TAJY156*025# | Y         | 15               | 25                | 3.8           | 6         | 1                    |
| TAJY226*025# | Y         | 22               | 25                | 5.5           | 6         | 0.9                  |
| TAJY336*025# | Y         | 33               | 25                | 8.3           | 6         | 0.5                  |
| TAJY476*025# | Y         | 47               | 25                | 11.8          | 6         | 0.9                  |
| TAJR104*035# | R         | 0.1              | 35                | 0.5           | 4         | 29                   |
| TAJS104*035# | S         | 0.1              | 35                | 0.5           | 4         | 24                   |
| TAJR154*035# | R         | 0.15             | 35                | 0.5           | 4         | 24                   |
| TAJS154*035# | S         | 0.15             | 35                | 0.5           | 4         | 21                   |
| TAJR224*035# | R         | 0.22             | 35                | 0.5           | 4         | 21                   |
| TAJS224*035# | S         | 0.22             | 35                | 0.5           | 4         | 18                   |
| TAJR334*035# | R         | 0.33             | 35                | 0.5           | 4         | 17                   |
| TAJS334*035# | S         | 0.33             | 35                | 0.5           | 4         | 15                   |
| TAJR474*035# | R         | 0.47             | 35                | 0.5           | 4         | 15                   |
| TAJS474*035# | S         | 0.47             | 35                | 0.5           | 4         | 12                   |
| TAJT474*035# | T         | 0.47             | 35                | 0.5           | 4         | 10                   |
| TAJP684*035# | P         | 0.68             | 35                | 0.5           | 4         | 13                   |
| TAJS684*035# | S         | 0.68             | 35                | 0.5           | 4         | 8                    |
| TAJT684*035# | T         | 0.68             | 35                | 0.5           | 4         | 8                    |
| TAJP105*035# | P         | 1                | 35                | 0.5           | 4         | 11                   |
| TAJS105*035# | S         | 1                | 35                | 0.5           | 4         | 7.5                  |
| TAJT105*035# | T         | 1                | 35                | 0.5           | 4         | 6.5                  |
| TAJT155*035# | T         | 1.5              | 35                | 0.5           | 6         | 5.2                  |
| TAJT225*035# | T         | 2.2              | 35                | 0.8           | 6         | 4.2                  |

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.

\* Insert K for ±10% and M for ±20% Capacitance Tolerance

# Standard Plating – Insert R for 7" reel and S for 13" reel  
# Gold Plating – Insert A for 7" reel and B for 13" reel

**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.**

