

# TAJ Series

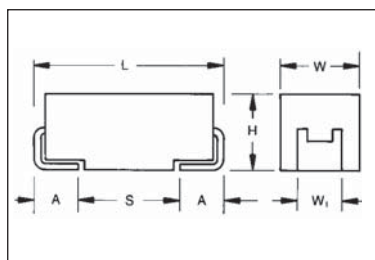
## Standard Tantalum



The TAJ standard series encompasses the five key sizes recognized by major OEMs throughout the world. The V case size has been added to the TAJ range to allow high CVs to be offered. The

operational temperature is -55°C to +85°C rated voltage and up to +125°C with voltage derating in applications utilizing recommended series resistance.

### CASE DIMENSIONS: millimeters (inches)



For part marking see page 177

| Code | EIA Code | 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    | 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    | 3528-21  | 3.50 (0.138)   | 2.80 (0.110)                    | 1.90 (0.075)                    | 2.20 (0.087)                 | 0.80 (0.031)                    | 1.40 (0.055) |
| C    | 6032-28  | 6.00 (0.236)   | 3.20 (0.126)                    | 2.60 (0.102)                    | 2.20 (0.087)                 | 1.30 (0.051)                    | 2.90 (0.114) |
| D    | 7343-31  | 7.30 (0.287)   | 4.30 (0.169)                    | 2.90 (0.114)                    | 2.40 (0.094)                 | 1.30 (0.051)                    | 4.40 (0.173) |
| E    | 7343-43  | 7.30 (0.287)   | 4.30 (0.169)                    | 4.10 (0.162)                    | 2.40 (0.094)                 | 1.30 (0.051)                    | 4.40 (0.173) |
| V    | 7361-38  | 7.30 (0.287)   | 6.10 (0.240)                    | 3.45±0.30<br>(0.136±0.012)      | 3.10 (0.120)                 | 1.40 (0.055)                    | 4.40 (0.173) |

W<sub>1</sub> dimension applies to the termination width for A dimensional area only.

### HOW TO ORDER

**TAJ**

Type

**C**

Case Size  
See table above

**106**

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%

**035**

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  
H = Tin Lead 7" Reel  
K = Tin Lead 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 2200 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, 60% confidence level

Qualification: CECC 30801 - 005 issue 2

EIA 535BAAC

Meets requirements of AEC-Q200



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

| Capacitance |      | Rated voltage DC ( $V_R$ ) to 85°C |                       |                       |                         |                       |         |         |                  |                       |
|-------------|------|------------------------------------|-----------------------|-----------------------|-------------------------|-----------------------|---------|---------|------------------|-----------------------|
| $\mu F$     | Code | 2.5V (e)                           | 4V (G)                | 6.3V (J)              | 10V (A)                 | 16V (C)               | 20V (D) | 25V (E) | 35V (V)          | 50V (T)               |
| 0.10        | 104  |                                    |                       |                       |                         |                       |         |         | A                | A                     |
| 0.15        | 154  |                                    |                       |                       |                         |                       |         |         | A                | A/B                   |
| 0.22        | 224  |                                    |                       |                       |                         |                       |         |         | A                | A/B                   |
| 0.33        | 334  |                                    |                       |                       |                         |                       |         |         | A                | B                     |
| 0.47        | 474  |                                    |                       |                       |                         |                       |         | A       | A/B              | A/B/C                 |
| 0.68        | 684  |                                    |                       |                       |                         |                       | A       | A       | A/B              | A/B/C                 |
| 1.0         | 105  |                                    |                       |                       | A                       | A                     | A       | A       | A/B              | A <sup>(M)</sup> /B/C |
| 1.5         | 155  |                                    |                       |                       | A                       | A                     | A       | A/B     | A/B/C            | C/D                   |
| 2.2         | 225  |                                    |                       | A                     | A                       | A/B                   | A/B     | A/B     | A/B/C            | C/D                   |
| 3.3         | 335  |                                    |                       | A                     | A                       | A/B                   | A/B     | A/B/C   | B/C              | C/D                   |
| 4.7         | 475  |                                    | A                     | A                     | A/B                     | A/B                   | A/B/C   | A/B/C   | B/C/D            | C/D                   |
| 6.8         | 685  |                                    | A                     | A/B                   | A/B                     | A/B/C                 | A/B/C   | B/C     | C/D              | C/D                   |
| 10          | 106  |                                    | A                     | A/B                   | A/B/C                   | A/B/C                 | C/B/C   | B/C/D   | C/D/E            | D/E/V                 |
| 15          | 156  |                                    | A/B                   | A/B                   | A/B/C                   | A <sup>(M)</sup> /B/C | B/C/D   | C/D     | C/D              | D/E/V                 |
| 22          | 226  |                                    | A                     | A/B/C                 | A/B/C                   | B/C/D                 | B/C/D   | C/D     | D/E              | V                     |
| 33          | 336  | A                                  | A/B                   | A/B/C                 | A/B/C/D                 | B/C/D                 | C/D     | D/E     | D/E/V            |                       |
| 47          | 476  | A                                  | A/B                   | A/B/C/D               | B/C/D                   | C/D                   | C/D/E   | D/E     | E/V              |                       |
| 68          | 686  | A                                  | A/B/C                 | B/C/D                 | B/C/D                   | C/D                   | C/D/E   | E/V     | V <sup>(M)</sup> |                       |
| 100         | 107  | A/B                                | A/B/C                 | B/C/D                 | B <sup>(M)</sup> /C/D/E | C/D/E                 | D/E/V   | V       |                  |                       |
| 150         | 157  | B                                  | B/C                   | B <sup>(M)</sup> /C/D | C/D/E                   | D/E/V                 | E/V     |         |                  |                       |
| 220         | 227  | B/D                                | B <sup>(M)</sup> /C/D | C/D/E                 | C/D/E                   |                       |         |         |                  |                       |
| 330         | 337  | D                                  | C/D/E                 | C/D/E                 | D/E/V                   |                       |         |         |                  |                       |
| 470         | 477  | C/D                                | C/D/E                 | D/E/V                 | E/V                     |                       |         |         |                  |                       |
| 680         | 687  | C/D/E                              | D/E                   | E/V                   |                         |                       |         |         |                  |                       |
| 1000        | 108  | D <sup>(M)</sup> /E                | D/E/V                 | V <sup>(M)</sup>      |                         |                       |         |         |                  |                       |
| 1500        | 158  | D/E/V                              | E/V <sup>(M)</sup>    |                       |                         |                       |         |         |                  |                       |
| 2200        | 228  | V <sup>(M)</sup>                   |                       |                       |                         |                       |         |         |                  |                       |

Non preferred Ratings - not recommended for new designs,  
higher voltage or smaller case size substitution are offered.

Developmental Ratings - subject to change.

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

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 |
|--------------|-----------|------------------|-------------------|---------------|-----------|----------------------|
| TAJA476*002# | A         | 47               | 2.5               | 0.9           | 6         | 3                    |
| TAJA686*002# | A         | 68               | 2.5               | 1.4           | 8         | 1.5                  |
| TAJA107*002# | A         | 100              | 2.5               | 2.5           | 30        | 1.4                  |
| TAJB107*002# | B         | 100              | 2.5               | 2.5           | 8         | 1.4                  |
| TAJB157*002# | B         | 150              | 2.5               | 3             | 10        | 1.6                  |
| TAJB227*002# | B         | 220              | 2.5               | 4.4           | 16        | 1.6                  |
| TAJD227*002# | D         | 220              | 2.5               | 5.5           | 8         | 0.3                  |
| TAJD337*002# | D         | 330              | 2.5               | 8.2           | 8         | 0.3                  |
| TAJC477*002# | C         | 470              | 2.5               | 9.4           | 12        | 0.2                  |
| TAJD477*002# | D         | 470              | 2.5               | 11.6          | 8         | 0.2                  |
| TAJC687*002# | C         | 680              | 2.5               | 17.0          | 18        | 0.2                  |
| TAJD687*002# | D         | 680              | 2.5               | 17            | 16        | 0.2                  |
| TAJE687*002# | E         | 680              | 2.5               | 17            | 10        | 0.2                  |
| TAJD108M002# | D         | 1000             | 2.5               | 25            | 20        | 0.2                  |
| TAJE108*002# | E         | 1000             | 2.5               | 20            | 14        | 0.4                  |
| TAJD158*002# | D         | 1500             | 2.5               | 37.5          | 60        | 0.2                  |
| TAJE158*002# | E         | 1500             | 2.5               | 37            | 20        | 0.2                  |
| TAJV158*002# | V         | 1500             | 2.5               | 30            | 20        | 0.2                  |
| TAJV228*002# | V         | 2200             | 2.5               | 55            | 50        | 0.2                  |
| TAJA336*004# | A         | 33               | 4                 | 1.3           | 6         | 3                    |
| TAJA476*004# | A         | 47               | 4                 | 1.9           | 8         | 2.6                  |
| TAJA686*004# | A         | 68               | 4                 | 2.7           | 10        | 1.5                  |
| TAJB686*004# | B         | 68               | 4                 | 2.7           | 6         | 1.8                  |
| TAJA107*004# | A         | 100              | 4                 | 4             | 30        | 1.4                  |
| TAJB107*004# | B         | 100              | 4                 | 4             | 8         | 0.9                  |
| TAJB157*004# | B         | 150              | 4                 | 6             | 10        | 1.5                  |
| TAJC157*004# | C         | 150              | 4                 | 6             | 6         | 0.3                  |
| TAJB227M004# | B         | 220              | 4                 | 8.8           | 12        | 1.1                  |
| TAJC227*004# | C         | 220              | 4                 | 8.8           | 8         | 1.2                  |
| TAJD227*004# | D         | 220              | 4                 | 8.8           | 8         | 0.9                  |
| TAJC337*004# | C         | 330              | 4                 | 13.2          | 8         | 0.9                  |
| TAJD337*004# | D         | 330              | 4                 | 13.2          | 8         | 0.9                  |
| TAJC477*004# | C         | 470              | 4                 | 18.8          | 14        | 0.3                  |
| TAJD477*004# | D         | 470              | 4                 | 18.8          | 12        | 0.9                  |
| TAJE477*004# | E         | 470              | 4                 | 18.8          | 10        | 0.5                  |
| TAJD687*004# | D         | 680              | 4                 | 27.2          | 14        | 0.5                  |
| TAJE687*004# | E         | 680              | 4                 | 27.2          | 14        | 0.9                  |
| TAJD108*004# | D         | 1000             | 4                 | 40            | 60        | 0.2                  |
| TAJE108*004# | E         | 1000             | 4                 | 40            | 14        | 0.4                  |
| TAJV108*004# | V         | 1000             | 4                 | 40            | 16        | 0.4                  |
| TAJE158*004# | E         | 1500             | 4                 | 60            | 30        | 0.2                  |
| TAJV158M004# | V         | 1500             | 4                 | 60            | 30        | 0.2                  |
| TAJA106*006# | A         | 10               | 6.3               | 0.6           | 6         | 4                    |
| TAJA156*006# | A         | 15               | 6.3               | 0.9           | 6         | 3.5                  |
| TAJA226*006# | A         | 22               | 6.3               | 1.4           | 6         | 3                    |
| TAJA336*006# | A         | 33               | 6.3               | 2.1           | 8         | 2.5                  |
| TAJA476*006# | A         | 47               | 6.3               | 2.8           | 10        | 1.6                  |
| TAJB476*006# | B         | 47               | 6.3               | 3             | 6         | 2                    |
| TAJC476*006# | C         | 47               | 6.3               | 3             | 6         | 1.6                  |
| TAJB686*006# | B         | 68               | 6.3               | 4             | 8         | 0.9                  |
| TAJC686*006# | C         | 68               | 6.3               | 4.3           | 6         | 1.5                  |
| TAJB107*006# | B         | 100              | 6.3               | 6.3           | 10        | 1.7                  |
| TAJC107*006# | C         | 100              | 6.3               | 6.3           | 6         | 0.9                  |
| TAJB157M006# | B         | 150              | 6.3               | 9.5           | 10        | 1.2                  |
| TAJC157*006# | C         | 150              | 6.3               | 9.5           | 6         | 1.3                  |
| TAJD157*006# | D         | 150              | 6.3               | 9.5           | 6         | 0.9                  |
| TAJC227*006# | C         | 220              | 6.3               | 13.9          | 8         | 1.2                  |
| TAJD227*006# | D         | 220              | 6.3               | 13.9          | 8         | 0.9                  |
| TAJE227*006# | E         | 220              | 6.3               | 13.9          | 8         | 0.9                  |
| TAJC337*006# | C         | 330              | 6.3               | 19.8          | 12        | 0.5                  |
| TAJD337*006# | D         | 330              | 6.3               | 20.8          | 8         | 0.9                  |
| TAJE337*006# | E         | 330              | 6.3               | 20.8          | 8         | 0.9                  |
| TAJD477*006# | D         | 470              | 6.3               | 28            | 12        | 0.4                  |

| AVX Part No. | Case Size | Capacitance (μF) | Rated Voltage (V) | DCL (μA) Max. | DF % Max. | ESR Max. (Ω) @100kHz |
|--------------|-----------|------------------|-------------------|---------------|-----------|----------------------|
| TAJE477*006# | E         | 470              | 6.3               | 28            | 10        | 0.4                  |
| TAJV477*006# | V         | 470              | 6.3               | 28            | 10        | 0.4                  |
| TAJE687*006# | E         | 680              | 6.3               | 42.8          | 10        | 0.5                  |
| TAJV687*006# | V         | 680              | 6.3               | 42.8          | 10        | 0.5                  |
| TAJV108M006# | V         | 1000             | 6.3               | 63            | 16        | 0.4                  |
| TAJA475*010# | A         | 4.7              | 10                | 0.5           | 6         | 5                    |
| TAJA685*010# | A         | 6.8              | 10                | 0.7           | 6         | 4                    |
| TAJA106*010# | A         | 10               | 10                | 1             | 6         | 3                    |
| TAJA156*010# | A         | 15               | 10                | 1.5           | 6         | 3.2                  |
| TAJB156*010# | B         | 15               | 10                | 1.5           | 6         | 2.8                  |
| TAJA226*010# | A         | 22               | 10                | 2.2           | 8         | 3                    |
| TAJB226*010# | B         | 22               | 10                | 2.2           | 6         | 2.4                  |
| TAJA336*010# | A         | 33               | 10                | 3.3           | 8         | 1.7                  |
| TAJB336*010# | B         | 33               | 10                | 3.3           | 6         | 1.8                  |
| TAJC336*010# | C         | 33               | 10                | 3.3           | 6         | 1.6                  |
| TAJB476*010# | B         | 47               | 10                | 4.7           | 8         | 1                    |
| TAJC476*010# | C         | 47               | 10                | 4.7           | 6         | 1.2                  |
| TAJB686*010# | B         | 68               | 10                | 6.8           | 6         | 1.4                  |
| TAJC686*010# | C         | 68               | 10                | 6.8           | 6         | 1.3                  |
| TAJB107M010# | B         | 100              | 10                | 10            | 8         | 1.4                  |
| TAJC107*010# | C         | 100              | 10                | 10            | 8         | 1.2                  |
| TAJD107*010# | D         | 100              | 10                | 10            | 6         | 0.9                  |
| TAJC157*010# | C         | 150              | 10                | 15            | 8         | 0.9                  |
| TAJD157*010# | D         | 150              | 10                | 15            | 8         | 0.9                  |
| TAJE157*010# | E         | 150              | 10                | 15            | 8         | 0.9                  |
| TAJC227*010# | C         | 220              | 10                | 22            | 18        | 0.5                  |
| TAJD227*010# | D         | 220              | 10                | 22            | 8         | 0.5                  |
| TAJE227*010# | E         | 220              | 10                | 22            | 8         | 0.5                  |
| TAJD337*010# | D         | 330              | 10                | 33            | 8         | 0.9                  |
| TAJE337*010# | E         | 330              | 10                | 33            | 8         | 0.9                  |
| TAJV337*010# | V         | 330              | 10                | 33            | 10        | 0.9                  |
| TAJE477*010# | E         | 470              | 10                | 47            | 10        | 0.5                  |
| TAJV477*010# | V         | 470              | 10                | 47            | 10        | 0.5                  |
| TAJA225*016# | A         | 2.2              | 16                | 0.5           | 6         | 6.5                  |
| TAJA335*016# | A         | 3.3              | 16                | 0.5           | 6         | 5                    |
| TAJB335*016# | B         | 3.3              | 16                | 0.5           | 6         | 4.5                  |
| TAJA475*016# | A         | 4.7              | 16                | 0.8           | 6         | 4                    |
| TAJB475*016# | B         | 4.7              | 16                | 0.8           | 6         | 3.5                  |
| TAJA685*016# | A         | 6.8              | 16                | 1.1           | 6         | 3.5                  |
| TAJB685*016# | B         | 6.8              | 16                | 1.1           | 6         | 2.5                  |
| TAJA106*016# | A         | 10               | 16                | 1.6           | 8         | 3                    |
| TAJB106*016# | B         | 10               | 16                | 1.6           | 6         | 2.8                  |
| TAJC106*016# | C         | 10               | 16                | 1.6           | 6         | 2                    |
| TAJA156M016# | A         | 15               | 16                | 2.4           | 6         | 2                    |
| TAJB156*016# | B         | 15               | 16                | 2.4           | 6         | 2.5                  |
| TAJC156*016# | C         | 15               | 16                | 2.4           | 6         | 1.8                  |
| TAJB226*016# | B         | 22               | 16                | 3.5           | 6         | 2.3                  |
| TAJC226*016# | C         | 22               | 16                | 3.5           | 6         | 1.6                  |
| TAJD226*016# | D         | 22               | 16                | 3.5           | 6         | 1.1                  |
| TAJB336*016# | B         | 33               | 16                | 5.3           | 8         | 2.1                  |
| TAJC336*016# | C         | 33               | 16                | 5.3           | 6         | 1.5                  |
| TAJD336*016# | D         | 33               | 16                | 5.3           | 6         | 0.9                  |
| TAJC476*016# | C         | 47               | 16                | 7.5           | 6         | 1.4                  |
| TAJD476*016# | D         | 47               | 16                | 7.5           | 6         | 0.9                  |
| TAJC686*016# | C         | 68               | 16                | 10.9          | 6         | 1.3                  |
| TAJD686*016# | D         | 68               | 16                | 10.9          | 6         | 0.9                  |
| TAJC107*016# | C         | 100              | 16                | 16            | 8         | 1.0                  |
| TAJD107*016# | D         | 100              | 16                | 16            | 6         | 0.9                  |
| TAJE107*016# | E         | 100              | 16                | 16            | 6         | 0.9                  |
| TAJD157*016# | D         | 150              | 16                | 24            | 6         | 0.9                  |
| TAJE157*016# | E         | 150              | 16                | 24            | 8         | 0.3                  |
| TAJV157*016# | V         | 150              | 16                | 24            | 8         | 0.5                  |
| TAJE227*016# | E         | 220              | 16                | 35.2          | 10        | 0.5                  |
| TAJV227*016# | V         | 220              | 16                | 35.2          | 8         | 0.9                  |

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  
# Tin Lead Plating – Insert H for 7" reel and K 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 &amp; PART NUMBER REFERENCE

| AVX Part No. | Case Size | Capacitance (μF) | Rated Voltage (V) | DCL (μA) Max. | DF % Max. | ESR Max. (Ω) @100kHz |
|--------------|-----------|------------------|-------------------|---------------|-----------|----------------------|
| TAJA105*020# | A         | 1                | 20                | 0.5           | 4         | 9                    |
| TAJA155*020# | A         | 1.5              | 20                | 0.5           | 6         | 6.5                  |
| TAJA225*020# | A         | 2.2              | 20                | 0.5           | 6         | 5.3                  |
| TAJB225*020# | B         | 2.2              | 20                | 0.5           | 6         | 3.5                  |
| TAJA335*020# | A         | 3.3              | 20                | 0.7           | 6         | 4.5                  |
| TAJB335*020# | B         | 3.3              | 20                | 0.7           | 6         | 3                    |
| TAJA475*020# | A         | 4.7              | 20                | 0.9           | 6         | 4                    |
| TAJB475*020# | B         | 4.7              | 20                | 0.9           | 6         | 3                    |
| TAJA685*020# | A         | 6.8              | 20                | 1.4           | 6         | 2.5                  |
| TAJB685*020# | B         | 6.8              | 20                | 1.4           | 6         | 2.5                  |
| TAJC685*020# | C         | 6.8              | 20                | 1.4           | 6         | 2                    |
| TAJB106*020# | B         | 10               | 20                | 2             | 6         | 2.1                  |
| TAJC106*020# | C         | 10               | 20                | 2             | 6         | 1.2                  |
| TAJB156*020# | B         | 15               | 20                | 3             | 6         | 2                    |
| TAJC156*020# | C         | 15               | 20                | 3             | 6         | 1.7                  |
| TAJB226*020# | B         | 22               | 20                | 4.4           | 6         | 1.8                  |
| TAJC226*020# | C         | 22               | 20                | 4.4           | 6         | 1.6                  |
| TAJD226*020# | D         | 22               | 20                | 4.4           | 6         | 0.9                  |
| TAJC336*020# | C         | 33               | 20                | 6.6           | 6         | 1.5                  |
| TAJD336*020# | D         | 33               | 20                | 6.6           | 6         | 0.9                  |
| TAJC476*020# | C         | 47               | 20                | 9.4           | 6         | 0.9                  |
| TAJD476*020# | D         | 47               | 20                | 9.4           | 6         | 0.9                  |
| TAJE476*020# | E         | 47               | 20                | 9.4           | 6         | 0.9                  |
| TAJD686*020# | D         | 68               | 20                | 13.6          | 6         | 0.9                  |
| TAJE686*020# | E         | 68               | 20                | 13.6          | 6         | 0.9                  |
| TAJD107*020# | D         | 100              | 20                | 20            | 6         | 0.9                  |
| TAJE107*020# | E         | 100              | 20                | 20            | 6         | 0.4                  |
| TAJV107*020# | V         | 100              | 20                | 20            | 8         | 0.9                  |
| TAJE157*020# | E         | 150              | 20                | 30            | 8         | 0.3                  |
| TAJV157*020# | V         | 150              | 20                | 30            | 8         | 0.5                  |
| TAJA474*025# | A         | 0.47             | 25                | 0.5           | 4         | 14                   |
| TAJA684*025# | A         | 0.68             | 25                | 0.5           | 4         | 10                   |
| TAJA105*025# | A         | 1                | 25                | 0.5           | 4         | 8                    |
| TAJA155*025# | A         | 1.5              | 25                | 0.5           | 6         | 7.5                  |
| TAJB155*025# | B         | 1.5              | 25                | 0.5           | 6         | 5                    |
| TAJA225*025# | A         | 2.2              | 25                | 0.6           | 6         | 7                    |
| TAJB225*025# | B         | 2.2              | 25                | 0.6           | 6         | 4.5                  |
| TAJA335*025# | A         | 3.3              | 25                | 0.8           | 6         | 3.7                  |
| TAJB335*025# | B         | 3.3              | 25                | 0.8           | 6         | 3.5                  |
| TAJA475*025# | A         | 4.7              | 25                | 1.2           | 6         | 3.1                  |
| TAJB475*025# | B         | 4.7              | 25                | 1.2           | 6         | 2.8                  |
| TAJB685*025# | B         | 6.8              | 25                | 1.7           | 6         | 2.8                  |
| TAJC685*025# | C         | 6.8              | 25                | 1.7           | 6         | 2                    |
| TAJB106*025# | B         | 10               | 25                | 2.5           | 6         | 2.5                  |
| TAJC106*025# | C         | 10               | 25                | 2.5           | 6         | 1.8                  |
| TAJD106*025# | D         | 10               | 25                | 2.5           | 6         | 1.2                  |
| TAJC156*025# | C         | 15               | 25                | 3.8           | 6         | 1.6                  |
| TAJD156*025# | D         | 15               | 25                | 3.8           | 6         | 1                    |
| TAJC226*025# | C         | 22               | 25                | 5.5           | 6         | 1.4                  |
| TAJD226*025# | D         | 22               | 25                | 5.5           | 6         | 0.9                  |
| TAJD336*025# | D         | 33               | 25                | 8.3           | 6         | 0.9                  |
| TAJE336*025# | E         | 33               | 25                | 8.3           | 6         | 0.9                  |
| TAJD476*025# | D         | 47               | 25                | 11.8          | 6         | 0.9                  |
| TAJE476*025# | E         | 47               | 25                | 11.8          | 6         | 0.9                  |
| TAJE686*025# | E         | 68               | 25                | 17            | 6         | 0.9                  |
| TAJV686*025# | V         | 68               | 25                | 17            | 6         | 0.9                  |
| TAJV107*025# | V         | 100              | 25                | 25            | 8         | 0.4                  |
| TAJA104*035# | A         | 0.1              | 35                | 0.5           | 4         | 24                   |
| TAJA154*035# | A         | 0.15             | 35                | 0.5           | 4         | 21                   |
| TAJA224*035# | A         | 0.22             | 35                | 0.5           | 4         | 18                   |
| TAJA334*035# | A         | 0.33             | 35                | 0.5           | 4         | 15                   |
| TAJA474*035# | A         | 0.47             | 35                | 0.5           | 4         | 12                   |
| TAJB474*035# | B         | 0.47             | 35                | 0.5           | 4         | 10                   |

| AVX Part No. | Case Size | Capacitance (μF) | Rated Voltage (V) | DCL (μA) Max. | DF % Max. | ESR Max. (Ω) @100kHz |
|--------------|-----------|------------------|-------------------|---------------|-----------|----------------------|
| TAJA684*035# | A         | 0.68             | 35                | 0.5           | 4         | 8                    |
| TAJB684*035# | B         | 0.68             | 35                | 0.5           | 4         | 8                    |
| TAJA105*035# | A         | 1                | 35                | 0.5           | 4         | 7.5                  |
| TAJB105*035# | B         | 1                | 35                | 0.5           | 4         | 6.5                  |
| TAJA155*035# | A         | 1.5              | 35                | 0.5           | 6         | 7.5                  |
| TAJB155*035# | B         | 1.5              | 35                | 0.5           | 6         | 5.2                  |
| TAJC155*035# | C         | 1.5              | 35                | 0.5           | 6         | 4.5                  |
| TAJA225*035# | A         | 2.2              | 35                | 0.8           | 6         | 4.5                  |
| TAJB225*035# | B         | 2.2              | 35                | 0.8           | 6         | 4.2                  |
| TAJC225*035# | C         | 2.2              | 35                | 0.8           | 6         | 3.5                  |
| TAJB335*035# | B         | 3.3              | 35                | 1.2           | 6         | 3.5                  |
| TAJC335*035# | C         | 3.3              | 35                | 1.2           | 6         | 2.5                  |
| TAJB475*035# | B         | 4.7              | 35                | 1.6           | 6         | 3.1                  |
| TAJC475*035# | C         | 4.7              | 35                | 1.6           | 6         | 2.2                  |
| TAJD475*035# | D         | 4.7              | 35                | 1.6           | 6         | 1.5                  |
| TAJC685*035# | C         | 6.8              | 35                | 2.4           | 6         | 1.8                  |
| TAJD685*035# | D         | 6.8              | 35                | 2.4           | 6         | 1.3                  |
| TAJC106*035# | C         | 10               | 35                | 3.5           | 6         | 1.6                  |
| TAJD106*035# | D         | 10               | 35                | 3.5           | 6         | 1                    |
| TAJE106*035# | E         | 10               | 35                | 3.5           | 6         | 0.9                  |
| TAJC156*035# | C         | 15               | 35                | 5.3           | 6         | 1.4                  |
| TAJD156*035# | D         | 15               | 35                | 5.3           | 6         | 0.9                  |
| TAJD226*035# | D         | 22               | 35                | 7.7           | 6         | 0.9                  |
| TAJE226*035# | E         | 22               | 35                | 7.7           | 6         | 0.5                  |
| TAJD336*035# | D         | 33               | 35                | 11.6          | 6         | 0.9                  |
| TAJE336*035# | E         | 33               | 35                | 11.6          | 6         | 0.5                  |
| TAJV336*035# | V         | 33               | 35                | 11.6          | 6         | 500                  |
| TAJE476*035# | E         | 47               | 35                | 16.5          | 6         | 0.9                  |
| TAJV476*035# | V         | 47               | 35                | 16.5          | 6         | 0.4                  |
| TAJV686M035# | V         | 68               | 35                | 23.8          | 6         | 0.5                  |
| TAJA104*050# | A         | 0.1              | 50                | 0.5           | 4         | 22                   |
| TAJA154*050# | A         | 0.15             | 50                | 0.5           | 4         | 15                   |
| TAJB154*050# | B         | 0.15             | 50                | 0.5           | 4         | 17                   |
| TAJA224*050# | A         | 0.22             | 50                | 0.5           | 4         | 18                   |
| TAJB224*050# | B         | 0.22             | 50                | 0.5           | 4         | 14                   |
| TAJB334*050# | B         | 0.33             | 50                | 0.5           | 4         | 12                   |
| TAJA474*050# | A         | 0.47             | 50                | 0.5           | 4         | 9.5                  |
| TAJB474*050# | B         | 0.47             | 50                | 0.7           | 4         | 9.5                  |
| TAJC474*050# | C         | 0.47             | 50                | 0.5           | 4         | 8                    |
| TAJA684*050# | A         | 0.68             | 50                | 0.5           | 4         | 7.9                  |
| TAJB684*050# | B         | 0.68             | 50                | 0.5           | 4         | 8                    |
| TAJC684*050# | C         | 0.68             | 50                | 0.5           | 4         | 7                    |
| TAJA105M050# | A         | 1                | 50                | 0.5           | 4         | 6.6                  |
| TAJB105*050# | B         | 1                | 50                | 0.5           | 6         | 7                    |
| TAJC105*050# | C         | 1                | 50                | 0.5           | 4         | 5.5                  |
| TAJC155*050# | C         | 1.5              | 50                | 0.8           | 6         | 4.5                  |
| TAJD155*050# | D         | 1.5              | 50                | 0.8           | 6         | 4                    |
| TAJC225*050# | C         | 2.2              | 50                | 1.1           | 6         | 3                    |
| TAJD225*050# | D         | 2.2              | 50                | 1.1           | 6         | 2.5                  |
| TAJC335*050# | C         | 3.3              | 50                | 1.7           | 6         | 2.5                  |
| TAJD335*050# | D         | 3.3              | 50                | 1.7           | 6         | 2                    |
| TAJC475*050# | C         | 4.7              | 50                | 0.5           | 4         | 1.4                  |
| TAJD475*050# | D         | 4.7              | 50                | 2.4           | 6         | 1.4                  |
| TAJC685*050# | C         | 6.8              | 50                | 3.4           | 6         | 1                    |
| TAJD685*050# | D         | 6.8              | 50                | 3.4           | 6         | 1                    |
| TAJD106*050# | D         | 10               | 50                | 5             | 6         | 0.8                  |
| TAJE106*050# | E         | 10               | 50                | 5             | 6         | 1                    |
| TAJV106*050# | V         | 10               | 50                | 5             | 6         | 0.65                 |
| TAJD156*050# | D         | 15               | 50                | 7.5           | 4         | 0.6                  |
| TAJE156*050# | E         | 15               | 50                | 7.5           | 6         | 0.6                  |
| TAJV156*050# | V         | 15               | 50                | 7.5           | 6         | 0.6                  |
| TAJV226*050# | V         | 22               | 50                | 11            | 8         | 0.6                  |

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

\* 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

# **Tin Lead Plating** – Insert H for 7" reel and K 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.