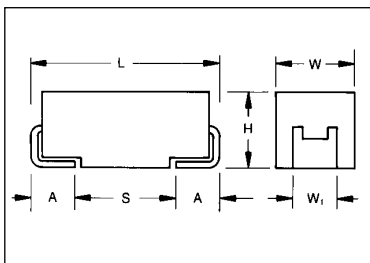




The TAJ standard series encompasses the five key sizes recognized by major OEMs throughout the world. The V case size has been added to the TAJ range to allow high CVs to be offered. The

operational temperature is -55°C to +85°C at 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 48

| Code | EIA Code | L±0.2 (0.008) | W+0.2 (0.008) -0.1 (0.004) | H+0.2 (0.008) -0.1 (0.004) | W ₁ ±0.2 (0.008) | A+0.3 (0.012) -0.2 (0.008) | S Min. |
|------|----------|---------------|-------------------------------|-------------------------------|-----------------------------|-------------------------------|-------------|
| A | 3216 | 3.2 (0.126) | 1.6 (0.063) | 1.6 (0.063) | 1.2 (0.047) | 0.8 (0.031) | 1.1 (0.043) |
| B | 3528 | 3.5 (0.138) | 2.8 (0.110) | 1.9 (0.075) | 2.2 (0.087) | 0.8 (0.031) | 1.4 (0.055) |
| C | 6032 | 6.0 (0.236) | 3.2 (0.126) | 2.6 (0.102) | 2.2 (0.087) | 1.3 (0.051) | 2.9 (0.114) |
| D | 7343 | 7.3 (0.287) | 4.3 (0.169) | 2.9 (0.114) | 2.4 (0.094) | 1.3 (0.051) | 4.4 (0.173) |
| E | 7343H | 7.3 (0.287) | 4.3 (0.169) | 4.1 (0.162) | 2.4 (0.094) | 1.3 (0.051) | 4.4 (0.173) |
| V | 7361 | 7.3 (0.287) | 6.1 (0.240) | 3.45±0.3 (0.136±0.012) | 3.1 (0.120) | 1.4 (0.055) | 4.4 (0.173) |

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

HOW TO ORDER

TAJ

Type

C

Case Code
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=2Vdc
004=4Vdc
006=6.3Vdc
010=10Vdc
016=16Vdc
020=20Vdc
025=25Vdc
035=35Vdc
050=50Vdc

R

Packaging
See Tape and Reel Packaging
R=7" T/R
S=13" T/R
(see page 47)

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: 0.1µF to 680µF

Capacitance Tolerance: ±10%; ±20%

| Rated Voltage (V _R) | ≅ +85°C: | 2 | 4 | 6.3 | 10 | 16 | 20 | 25 | 35 | 50 |
|------------------------------------|-----------|-----|-----|-----|----|----|----|----|----|----|
| Category Voltage (V _C) | ≅ +125°C: | 1.3 | 2.7 | 4 | 7 | 10 | 13 | 17 | 23 | 33 |
| Surge Voltage (V _S) | ≅ +85°C: | 2.7 | 5.2 | 8 | 13 | 20 | 26 | 32 | 46 | 65 |
| Surge Voltage (V _S) | ≅ +125°C: | 1.7 | 3.2 | 5 | 8 | 12 | 16 | 20 | 28 | 40 |

Temperature Range: -55°C to +125°C

Reliability: 1% per 1000 hours at 85°C with 0.1Ω/V series impedance, 60% confidence level

Qualification: CECC 30801 - 005 issue 2

EIA 535BAAC

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

| Capacitance | | Rated voltage (V_R) to 85°C | | | | | | | | |
|---------------|------|---------------------------------|--------|----------|---------|---------|---------|---------|---------|---------|
| μF | Code | 2V (F) | 4V (G) | 6.3V (J) | 10V (A) | 16V (C) | 20V (D) | 25V (E) | 35V (V) | 50V (T) |
| 0.10 | 104 | | | | | | | | Ⓐ | Ⓐ |
| 0.15 | 154 | | | | | | | | Ⓐ | Ⓐ/Ⓑ |
| 0.22 | 224 | | | | | | | | Ⓐ | Ⓐ/Ⓑ |
| 0.33 | 334 | | | | | | | | Ⓐ | Ⓑ |
| 0.47 | 474 | | | | | | | A | Ⓐ/Ⓑ | Ⓒ |
| 0.68 | 684 | | | | | | Ⓐ | A | Ⓐ/Ⓑ | Ⓒ |
| 1.0 | 105 | | | | | Ⓐ | A | A | Ⓐ/Ⓑ | C |
| 1.5 | 155 | | | | Ⓐ | Ⓐ | A | A/B | A/B/C | C/D |
| 2.2 | 225 | | | Ⓐ | Ⓐ | A/Ⓑ | A/B | A/B | B/C | D |
| 3.3 | 335 | | | Ⓐ | Ⓐ | A/Ⓑ | A/B | Ⓑ/Ⓒ | B/C | D |
| 4.7 | 475 | | | Ⓐ | A/Ⓑ | A/B | A/B/Ⓒ | B/Ⓒ | B/C/D | D |
| 6.8 | 685 | | | Ⓐ/Ⓑ | A/Ⓑ | A/B/Ⓒ | B/C | B/C | C/D | D |
| 10 | 106 | | Ⓐ | Ⓐ/Ⓑ | A/Ⓑ/Ⓒ | A/B/C | B/C | C/D | C/D | |
| 15 | 156 | | Ⓐ/Ⓑ | A/Ⓑ/Ⓒ | A/B/Ⓒ | B/C | B/C/Ⓓ | C/D | C/D | |
| 22 | 226 | | Ⓐ/Ⓑ | A/Ⓑ/Ⓒ | Ⓐ/B/C/Ⓓ | B/C/D | B/C/D | C/D | D/E | |
| 33 | 336 | | A/Ⓑ | A/Ⓑ/Ⓒ | B/C/Ⓓ | Ⓑ/C/D | C/D | D/E | D | |
| 47 | 476 | A | Ⓐ/Ⓑ | B/C/Ⓓ | B/C/Ⓓ | C/D | Ⓒ/D | D | E | |
| 68 | 686 | Ⓐ | Ⓑ/Ⓒ | B/C/Ⓓ | C/Ⓓ | Ⓒ/D/Ⓔ | D/E | E/V | | |
| 100 | 107 | | B/Ⓒ | Ⓑ/C/Ⓓ | C/D | D/E | Ⓓ/E/V | | | |
| 150 | 157 | B | Ⓑ | C/D | Ⓒ/D/E | D | Ⓔ | | | |
| 220 | 227 | Ⓑ | C/Ⓓ | C/D/Ⓔ | D/E | Ⓓ/E/V | | | | |
| 330 | 337 | Ⓒ | Ⓔ | E | D/E/V | Ⓔ | | | | |
| 470 | 477 | | Ⓓ/Ⓔ | D/E/V | E/V | Ⓕ | | | | |
| 680 | 687 | | Ⓓ | Ⓔ | Ⓕ | | | | | |
| 1000 | 108 | Ⓓ | | | | | | | | |
| 1500 | 158 | Ⓔ | | | | | | | | |

● = In Development

○ = Non Preferred code – AVX reserves the right to supply higher rated voltage parts in the same case size.

RATINGS & PART NUMBER REFERENCE

| AVX Part No. | Case Size | Capacitance μF | DCL (μA) Max. | DF % Max. | ESR max. (Ω) @ 100 kHz |
|--|-----------|---------------------------|----------------------------|-----------|---------------------------------|
| Voltage/Code 2 volt @ 85°C (1.2 volt @ 125°C) / F | | | | | |
| TAJA476*002# | A | 47 | 0.9 | 6 | 3.0 |
| TAJB157*002# | B | 150 | 3.0 | 10 | 1.6 |
| Voltage/Code 4 volt @ 85°C (2.5 volt @ 125°C) / G | | | | | |
| † TAJA106*004# | A | 10 | 0.5 | 6 | 6.0 |
| † TAJA156*004# | A | 15 | 0.6 | 6 | 4.0 |
| † TAJB156*004# | B | 15 | 0.6 | 6 | 3.0 |
| † TAJA226*004# | A | 22 | 0.9 | 6 | 3.5 |
| † TAJA336*004# | A | 33 | 1.3 | 6 | 3.0 |
| † TAJB336*004# | B | 33 | 1.3 | 6 | 2.8 |
| † TAJB476*004# | B | 47 | 1.9 | 6 | 2.4 |
| † TAJB686*004# | B | 68 | 2.7 | 6 | 1.8 |
| † TAJC686*004# | C | 68 | 2.7 | 6 | 1.6 |
| † TAJB107*004# | B | 100 | 4.0 | 8 | 1.6 |
| † TAJC107*004# | C | 100 | 4.0 | 6 | 1.3 |
| † TAJC227*004# | C | 220 | 8.8 | 8 | 1.2 |
| † TAJD227*004# | D | 220 | 8.8 | 8 | 0.9 |
| † TAJE337*004# | E | 330 | 13.2 | 8 | 0.9 |
| † TAJE687M004# | E | 680 | 27.2 | 14 | 0.9 |
| Voltage/Code 6.3 volt @ 85°C (4 volt @ 125°C) / J | | | | | |
| † TAJA225*006# | A | 2.2 | 0.5 | 6 | 9.0 |
| † TAJA335*006# | A | 3.3 | 0.5 | 6 | 7.0 |
| † TAJA475*006# | A | 4.7 | 0.5 | 6 | 6.0 |
| † TAJA685*006# | A | 6.8 | 0.5 | 6 | 5.0 |
| † TAJB685*006# | B | 6.8 | 0.5 | 6 | 4.0 |
| † TAJA106*006# | A | 10 | 0.6 | 6 | 4.0 |
| † TAJB106*006# | B | 10 | 0.6 | 6 | 3.0 |
| † TAJA156*006# | A | 15 | 1.0 | 6 | 3.5 |
| † TAJB156*006# | B | 15 | 1.0 | 6 | 2.5 |
| † TAJA226*006# | A | 22 | 1.4 | 6 | 3.0 |
| † TAJB226*006# | B | 22 | 1.4 | 6 | 2.5 |
| † TAJC226*006# | C | 22 | 1.4 | 6 | 2.0 |
| † TAJA336*006# | A | 33 | 2.1 | 8 | 2.5 |
| † TAJB336*006# | B | 33 | 2.1 | 6 | 2.2 |
| † TAJC336*006# | C | 33 | 2.1 | 6 | 1.8 |
| † TAJB476*006# | B | 47 | 3.0 | 6 | 2.0 |
| † TAJC476*006# | C | 47 | 3.0 | 6 | 1.6 |
| † TAJD476*006# | D | 47 | 3.0 | 6 | 1.1 |
| † TAJB686*006# | B | 68 | 4.3 | 8 | 1.8 |
| † TAJC686*006# | C | 68 | 4.3 | 6 | 1.5 |
| † TAJD686*006# | D | 68 | 4.3 | 6 | 0.9 |
| † TAJC107*006# | C | 100 | 6.3 | 6 | 0.9 |
| † TAJD107*006# | D | 100 | 6.3 | 6 | 0.9 |
| † TAJC157*006# | C | 150 | 9.5 | 6 | 1.3 |
| † TAJD157*006# | D | 150 | 9.5 | 6 | 0.9 |
| † TAJC227*006# | C | 220 | 13.9 | 8 | 1.2 |
| † TAJD227*006# | D | 220 | 13.9 | 8 | 0.9 |
| † TAJE337*006# | E | 330 | 20.8 | 8 | 0.9 |
| † TAJD477M006# | D | 470 | 29.6 | 12 | 0.9 |
| † TAJE477M006# | E | 470 | 29.6 | 10 | 0.9 |
| † TAJV477*006# | V | 470 | 29.6 | 10 | 0.9 |
| † TAJE687M006# | E | 680 | 42.8 | 10 | 0.5 |

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 $\pm 10\%$ and M for $\pm 20\%$.

#Insert R for 7" Reel, S for 13" Reel

† Non preferred - AVX reserves the right to supply a higher rated voltage in the same case size.

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.

| AVX Part No. | Case Size | Capacitance μF | DCL (μA) Max. | DF % Max. | ESR max. (Ω) @ 100 kHz |
|---|-----------|---------------------------|----------------------------|-----------|---------------------------------|
| Voltage/Code 10 volt @ 85°C (6.3 volt @ 125°C) / A | | | | | |
| † TAJA155*010# | A | 1.5 | 0.5 | 6 | 10.0 |
| † TAJA225*010# | A | 2.2 | 0.5 | 6 | 7.0 |
| † TAJA335*010# | A | 3.3 | 0.5 | 6 | 5.5 |
| † TAJA475*010# | A | 4.7 | 0.5 | 6 | 5.0 |
| † TAJB475*010# | B | 4.7 | 0.5 | 6 | 4.0 |
| † TAJA685*010# | A | 6.8 | 0.7 | 6 | 4.0 |
| † TAJB685*010# | B | 6.8 | 0.7 | 6 | 3.0 |
| † TAJA106*010# | A | 10 | 1.0 | 6 | 3.0 |
| † TAJB106*010# | B | 10 | 1.0 | 6 | 2.5 |
| † TAJC106*010# | C | 10 | 1.0 | 6 | 2.5 |
| † TAJA156*010# | A | 15 | 1.5 | 6 | 3.2 |
| † TAJB156*010# | B | 15 | 1.5 | 6 | 2.8 |
| † TAJC156*010# | C | 15 | 1.5 | 6 | 2.0 |
| † TAJB226*010# | B | 22 | 2.2 | 6 | 2.4 |
| † TAJC226*010# | C | 22 | 2.2 | 6 | 1.8 |
| † TAJB336*010# | B | 33 | 3.3 | 6 | 1.8 |
| † TAJC336*010# | C | 33 | 3.3 | 6 | 1.6 |
| † TAJD336*010# | D | 33 | 3.3 | 6 | 1.1 |
| † TAJB476*010# | B | 47 | 4.7 | 8 | 1.6 |
| † TAJC476*010# | C | 47 | 4.7 | 6 | 1.4 |
| † TAJD476*010# | D | 47 | 4.7 | 6 | 0.9 |
| † TAJC686*010# | C | 68 | 6.8 | 6 | 1.3 |
| † TAJD686*010# | D | 68 | 6.8 | 6 | 0.9 |
| † TAJC107*010# | C | 100 | 10.0 | 8 | 1.2 |
| † TAJD107*010# | D | 100 | 10.0 | 6 | 0.9 |
| † TAJD157*010# | D | 150 | 15.0 | 8 | 0.9 |
| † TAJE157*010# | E | 150 | 15.0 | 8 | 0.9 |
| † TAJD227*010# | D | 220 | 22.0 | 8 | 0.9 |
| † TAJE227*010# | E | 220 | 22.0 | 8 | 0.9 |
| † TAJD337M010# | D | 330 | 33.0 | 8 | 0.9 |
| † TAJE337*010# | E | 330 | 33.0 | 8 | 0.9 |
| † TAJV337*010# | V | 330 | 33.0 | 8 | 0.9 |
| † TAJE477M010# | E | 470 | 47.0 | 10 | 0.9 |
| † TAJV477*010# | V | 470 | 47.0 | 10 | 0.9 |
| Voltage/Code 16 volt @ 85°C (10 volt @ 125°C) / C | | | | | |
| † TAJA105*016# | A | 1.0 | 0.5 | 4 | 11.0 |
| † TAJA155*016# | A | 1.5 | 0.5 | 6 | 8.0 |
| † TAJA225*016# | A | 2.2 | 0.5 | 6 | 6.5 |
| † TAJB225*016# | B | 2.2 | 0.5 | 6 | 5.5 |
| † TAJA335*016# | A | 3.3 | 0.5 | 6 | 5.0 |
| † TAJB335*016# | B | 3.3 | 0.5 | 6 | 4.5 |
| † TAJA475*016# | A | 4.7 | 0.8 | 6 | 4.0 |
| † TAJB475*016# | B | 4.7 | 0.8 | 6 | 3.5 |
| † TAJA685*016# | A | 6.8 | 1.1 | 6 | 3.5 |
| † TAJB685*016# | B | 6.8 | 1.1 | 6 | 2.5 |
| † TAJC685*016# | C | 6.8 | 1.1 | 6 | 2.5 |
| † TAJA106*016# | A | 10 | 1.6 | 8 | 3.0 |
| † TAJB106*016# | B | 10 | 1.6 | 6 | 2.8 |
| † TAJC106*016# | C | 10 | 1.6 | 8 | 2.0 |
| † TAJB156*016# | B | 15 | 2.4 | 6 | 2.5 |
| † TAJC156*016# | C | 15 | 2.4 | 6 | 1.8 |
| † TAJB226*016# | B | 22 | 3.5 | 6 | 2.3 |
| † TAJC226*016# | C | 22 | 3.5 | 6 | 1.6 |
| † TAJD226*016# | D | 22 | 3.5 | 6 | 1.1 |
| † TAJC336*016# | C | 33 | 5.3 | 6 | 1.5 |
| † TAJD336*016# | D | 33 | 5.3 | 6 | 0.9 |
| † TAJC476*016# | C | 47 | 7.5 | 6 | 1.4 |
| † TAJD476*016# | D | 47 | 7.5 | 6 | 0.9 |
| † TAJD686*016# | D | 68 | 10.9 | 6 | 0.9 |
| † TAJD107*016# | D | 100 | 16.0 | 6 | 0.9 |
| † TAJE107*016# | E | 100 | 16.0 | 6 | 0.9 |
| † TAJD157M016# | D | 150 | 24.0 | 6 | 0.9 |
| † TAJE227M016# | E | 220 | 35.2 | 10 | 0.9 |
| † TAJV227*016# | V | 220 | 35.2 | 8 | 0.9 |

For parametric information on development codes, please contact your local AVX sales office.

RATINGS & PART NUMBER REFERENCE

| AVX Part No. | Case Size | Capacitance μF | DCL (μA) Max. | DF % Max. | ESR max. (Ω) @ 100 kHz |
|--|-----------|---------------------------|----------------------------|-----------|---------------------------------|
| Voltage/Code 20 volt @ 85°C (13 volt @ 125°C) / D | | | | | |
| ‡ TAJA684M020# | A | 0.68 | 0.5 | 4 | 12.0 |
| TAJA105*020# | A | 1.0 | 0.5 | 4 | 9.0 |
| TAJA155*020# | A | 1.5 | 0.5 | 6 | 6.5 |
| TAJA225*020# | A | 2.2 | 0.5 | 6 | 5.3 |
| TAJB225*020# | B | 2.2 | 0.5 | 6 | 3.5 |
| TAJA335*020# | A | 3.3 | 0.7 | 6 | 4.5 |
| TAJB335*020# | B | 3.3 | 0.7 | 6 | 3.0 |
| TAJA475*020# | A | 4.7 | 0.9 | 6 | 4.0 |
| TAJB475*020# | B | 4.7 | 0.9 | 6 | 3.0 |
| ‡ TAJC475*020# | C | 4.7 | 0.9 | 6 | 2.8 |
| TAJB685*020# | B | 6.8 | 1.4 | 6 | 2.5 |
| TAJC685*020# | C | 6.8 | 1.4 | 6 | 2.0 |
| TAJB106*020# | B | 10 | 2.0 | 6 | 2.1 |
| TAJC106*020# | C | 10 | 2.0 | 6 | 1.9 |
| TAJB156*020# | B | 15 | 3.0 | 6 | 2.0 |
| TAJC156*020# | C | 15 | 3.0 | 6 | 1.7 |
| ‡ TAJD156*020# | D | 15 | 3.0 | 6 | 1.1 |
| TAJB226*020# | B | 22 | 4.4 | 6 | 1.8 |
| TAJC226*020# | C | 22 | 4.4 | 6 | 1.6 |
| TAJD226*020# | D | 22 | 4.4 | 6 | 0.9 |
| TAJC336*020# | C | 33 | 6.6 | 6 | 1.5 |
| TAJD336*020# | D | 33 | 6.6 | 6 | 0.9 |
| TAJD476*020# | D | 47 | 9.4 | 6 | 0.9 |
| TAJD686*020# | D | 68 | 13.6 | 6 | 0.9 |
| TAJE686*020# | E | 68 | 13.6 | 6 | 0.9 |
| TAJE107M020# | E | 100 | 20.0 | 6 | 0.9 |
| TAJV107*020# | V | 100 | 20.0 | 8 | 0.9 |
| Voltage/Code 25 volt @ 85°C (16 volt @ 125°C) / E | | | | | |
| TAJA474M025# | A | 0.47 | 0.5 | 4 | 14.0 |
| TAJA684M025# | A | 0.68 | 0.5 | 4 | 10.0 |
| TAJA105*025# | A | 1.0 | 0.5 | 4 | 8.0 |
| TAJA155*025# | A | 1.5 | 0.5 | 6 | 7.5 |
| TAJB155*025# | B | 1.5 | 0.5 | 6 | 5.0 |
| TAJA225*025# | A | 2.2 | 0.6 | 6 | 7.0 |
| TAJB225*025# | B | 2.2 | 0.6 | 6 | 4.5 |
| ‡ TAJB335*025# | B | 3.3 | 0.8 | 6 | 3.5 |
| TAJC335*025# | C | 3.3 | 0.8 | 6 | 2.8 |
| TAJB475*025# | B | 4.7 | 1.2 | 6 | 2.8 |
| ‡ TAJC475*025# | C | 4.7 | 1.2 | 6 | 2.4 |
| TAJB685*025# | B | 6.8 | 1.7 | 6 | 2.8 |
| TAJC685*025# | C | 6.8 | 1.7 | 6 | 2.0 |
| TAJC106*025# | C | 10 | 2.5 | 6 | 1.8 |
| TAJD106*025# | D | 10 | 2.5 | 6 | 1.2 |
| TAJC156*025# | C | 15 | 3.8 | 6 | 1.6 |
| TAJD156*025# | D | 15 | 3.8 | 6 | 1.0 |
| TAJC226*025# | C | 22 | 5.5 | 6 | 1.4 |
| TAJD226*025# | D | 22 | 5.5 | 6 | 0.9 |
| TAJD336M025# | D | 33 | 8.3 | 6 | 0.9 |
| TAJE336*025# | E | 33 | 8.3 | 6 | 0.9 |
| TAJD476M025# | D | 47 | 11.8 | 6 | 0.9 |
| TAJE686M025# | E | 68 | 17 | 6 | 0.9 |
| TAJV686*025# | V | 68 | 17 | 6 | 0.9 |

| AVX Part No. | Case Size | Capacitance μF | DCL (μA) Max. | DF % Max. | ESR max. (Ω) @ 100 kHz |
|--|-----------|---------------------------|----------------------------|-----------|---------------------------------|
| Voltage/Code 35 volt @ 85°C (23 volt @ 125°C) / V | | | | | |
| ‡ TAJA104M035# | A | 0.1 | 0.5 | 4 | 24.0 |
| ‡ TAJA154M035# | A | 0.15 | 0.5 | 4 | 21.0 |
| ‡ TAJA224M035# | A | 0.22 | 0.5 | 4 | 18.0 |
| ‡ TAJA334M035# | A | 0.33 | 0.5 | 4 | 15.0 |
| ‡ TAJA474M035# | A | 0.47 | 0.5 | 4 | 12.0 |
| ‡ TAJB474M035# | B | 0.47 | 0.5 | 4 | 10.0 |
| ‡ TAJA684M035# | A | 0.68 | 0.5 | 4 | 8.0 |
| ‡ TAJB684M035# | B | 0.68 | 0.5 | 4 | 8.0 |
| TAJA105*035# | A | 1.0 | 0.5 | 4 | 7.5 |
| TAJB105*035# | B | 1.0 | 0.5 | 4 | 6.5 |
| TAJA155*035# | A | 1.5 | 0.5 | 6 | 7.5 |
| TAJB155*035# | B | 1.5 | 0.5 | 6 | 5.2 |
| TAJC155*035# | C | 1.5 | 0.5 | 6 | 4.5 |
| TAJB225*035# | B | 2.2 | 0.8 | 6 | 4.2 |
| TAJC225*035# | C | 2.2 | 0.8 | 6 | 3.5 |
| TAJB335*035# | B | 3.3 | 1.2 | 6 | 3.5 |
| TAJC335*035# | C | 3.3 | 1.2 | 6 | 2.5 |
| TAJB475*035# | B | 4.7 | 1.6 | 6 | 3.1 |
| TAJC475*035# | C | 4.7 | 1.6 | 6 | 2.2 |
| TAJD475*035# | D | 4.7 | 1.6 | 6 | 1.5 |
| TAJC685*035# | C | 6.8 | 2.4 | 6 | 1.8 |
| TAJD685*035# | D | 6.8 | 2.4 | 6 | 1.3 |
| TAJC106*035# | C | 10.0 | 3.5 | 6 | 1.6 |
| TAJD106*035# | D | 10.0 | 3.5 | 6 | 1.0 |
| TAJC156*035# | C | 15.0 | 5.3 | 6 | 1.4 |
| TAJD156*035# | D | 15.0 | 5.3 | 6 | 0.9 |
| TAJD226*035# | D | 22.0 | 7.7 | 6 | 0.9 |
| TAJE226*035# | E | 22.0 | 7.7 | 6 | 0.9 |
| TAJD336M035# | D | 33.0 | 11.6 | 6 | 0.9 |
| TAJE476M035# | E | 47.0 | 16.5 | 6 | 0.9 |
| Voltage/Code 50 volt @ 85°C (33 volt @ 125°C) / T | | | | | |
| ‡ TAJA104M050# | A | 0.1 | 0.5 | 4 | 22.0 |
| ‡ TAJA154M050# | A | 0.15 | 0.5 | 4 | 15.0 |
| ‡ TAJB154M050# | B | 0.15 | 0.5 | 4 | 17.0 |
| ‡ TAJA224M050# | A | 0.22 | 0.5 | 4 | 18.0 |
| ‡ TAJB224M050# | B | 0.22 | 0.5 | 4 | 14.0 |
| ‡ TAJB334M050# | B | 0.33 | 0.5 | 4 | 12.0 |
| ‡ TAJC474M050# | C | 0.47 | 0.5 | 4 | 8.0 |
| ‡ TAJC684M050# | C | 0.68 | 0.5 | 4 | 7.0 |
| TAJC105*050# | C | 1.0 | 0.5 | 4 | 5.5 |
| TAJC155*050# | C | 1.5 | 0.8 | 6 | 4.5 |
| TAJD155*050# | D | 1.5 | 0.8 | 6 | 4.0 |
| TAJD225*050# | D | 2.2 | 1.1 | 6 | 2.5 |
| TAJD335*050# | D | 3.3 | 1.7 | 6 | 2.0 |
| TAJD475*050# | D | 4.7 | 2.4 | 6 | 1.4 |
| TAJD685*050# | D | 6.8 | 3.4 | 6 | 1.0 |

For parametric information on development codes, please contact your local AVX sales office.

#Insert R for 7" Reel, S for 13" Reel

‡ Non preferred - AVX reserves the right to supply a higher rated voltage in the same case size.

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 $\pm 10\%$ and M for $\pm 20\%$.

#Insert R for 7" Reel, S for 13" Reel

‡ Non preferred - AVX reserves the right to supply a higher rated voltage in the same case size.

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.

TAJ, THJ & TPS Marking

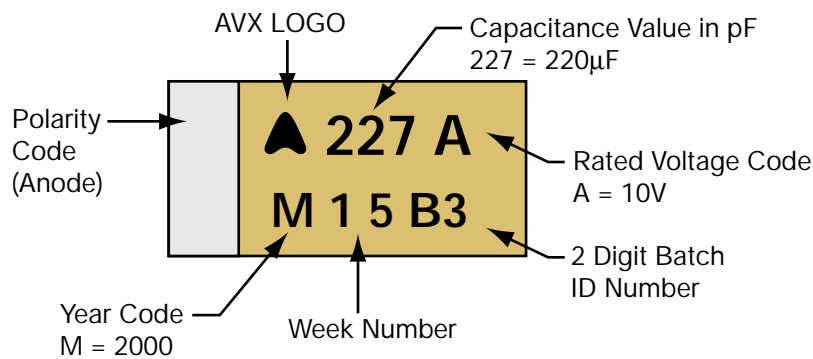


For TAJ & TPS & THJ, the positive end of body has videocon readable polarity marking as shown in the diagram. Bodies are marked by indelible laser marking on top surface with capacitance value, voltage and date of manufacture and batch ID number. R case is an exception due to the small size in which only the voltage and capacitance values are printed.

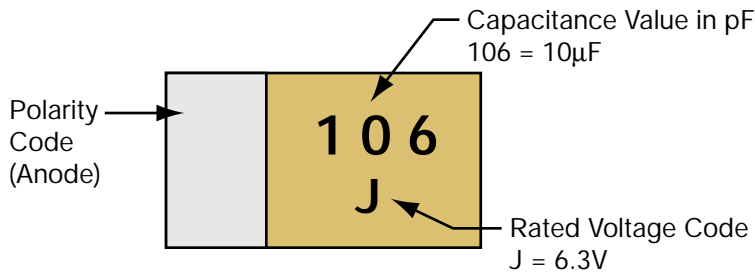
| Year | Year Code |
|------|-----------|
| 1999 | L |
| 2000 | M |
| 2001 | N |
| 2002 | P |

| Voltage Code | Rated Voltage at 85°C |
|--------------|-----------------------|
| F | 2 |
| G | 4 |
| J | 6.3 |
| A | 10 |
| C | 16 |
| D | 20 |
| E | 25 |
| V | 35 |
| T | 50 |

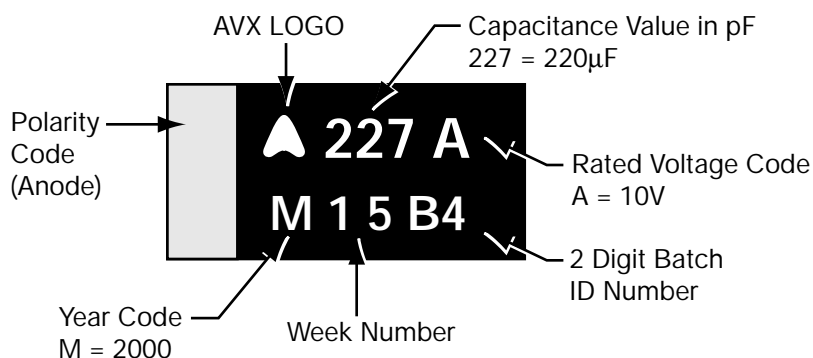
TAJ & TPS - A, B, C, D, E, S, T, V, W, Y AND X CASE:



TAJ - R CASE:



THJ - A, B, C, D AND E CASE:



TAJ, TPS, THJ & TAC Series



Tape and Reel Packaging

Tape and reel packaging for automatic component placement.
Please enter required Suffix on order. Bulk packaging is not available.

TAJ, TPS AND TAC TAPING SUFFIX TABLE

| Case Size reference | Tape width mm | P mm | 100mm (4") reel | | 180mm (7") reel | | 330mm (13") reel | |
|---------------------|---------------|------|-----------------|------|-----------------|------|------------------|-------|
| | | | Suffix | Qty. | Suffix | Qty. | Suffix | Qty. |
| A | 8 | 4 | | | R | 2000 | S | 8000 |
| B | 8 | 4 | | | R | 2000 | S | 8000 |
| C | 12 | 8 | | | R | 500 | S | 3000 |
| D | 12 | 8 | | | R | 500 | S | 2500 |
| E | 12 | 8 | | | R | 400 | S | 1500 |
| V | 12 | 8 | | | R | 400 | S | 1500 |
| R | 8 | 4 | | | R | 2500 | S | 10000 |
| S | 8 | 4 | | | R | 2500 | S | 10000 |
| T | 8 | 4 | | | R | 2500 | S | 10000 |
| W | 12 | 8 | | | R | 1000 | S | 5000 |
| Y | 12 | 8 | | | R | 1000 | S | 4000 |
| X | 12 | 8 | | | R | 1000 | S | 5000 |
| TACR | 8 | 4 | X | 500 | R | 2500 | | |
| TACL | 8 | 4 | X | 500 | R | 3500 | | |

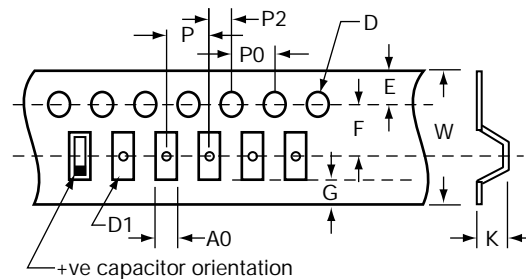
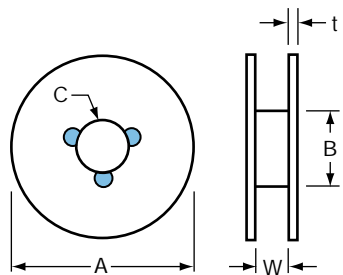
TAPE SPECIFICATION

Tape dimensions comply to EIA 481-1
Dimensions A_0 and B_0 of the pocket and the tape thickness, K , are dependent on the component size.

Tape materials do not affect component solderability during storage. Carrier Tape Thickness <0.4mm.

PLASTIC TAPE DIMENSIONS

| Code | Ao | Bo | K | W | E | F | G | P | P2 | Po | D | D1 |
|------|----------|----------|----------|--------|----------|----------|----------|-------|--------|-------|-------------|-------------|
| A | 1.83±0.1 | 3.57±0.1 | 1.87±0.1 | 8±0.3 | 1.75±0.1 | 3.5±0.05 | 0.75 min | 4±0.1 | 2±0.05 | 4±0.1 | 1.5+0.2-0.0 | 1+0.2-0.0 |
| B | 3.15±0.1 | 3.77±0.1 | 2.22±0.1 | 8±0.3 | 1.75±0.1 | 3.5±0.05 | 0.75 min | 4±0.1 | 2±0.05 | 4±0.1 | 1.5+0.2-0.0 | 1+0.2-0.0 |
| C | 3.45±0.1 | 6.4±0.1 | 2.92±0.1 | 12±0.3 | 1.75±0.1 | 5.5±0.05 | 0.75 min | 8±0.1 | 2±0.05 | 4±0.1 | 1.5+0.2-0.0 | 1.5+0.2-0.0 |
| D | 4.48±0.1 | 7.62±0.1 | 3.22±0.1 | 12±0.3 | 1.75±0.1 | 5.5±0.05 | 0.75 min | 8±0.1 | 2±0.05 | 4±0.1 | 1.5+0.2-0.0 | 1.5+0.2-0.0 |
| E | 4.50±0.1 | 7.5±0.1 | 4.5±0.1 | 12±0.3 | 1.75±0.1 | 5.5±0.05 | 0.75 min | 8±0.1 | 2±0.05 | 4±0.1 | 1.5+0.2-0.0 | 1.5+0.2-0.0 |
| V | 6.43±0.1 | 7.44±0.1 | 3.84±0.1 | 12±0.3 | 1.75±0.1 | 5.5±0.05 | 0.75 min | 8±0.1 | 2±0.05 | 4±0.1 | 1.5+0.2-0.0 | 1.5+0.2-0.0 |
| W | 3.57±0.1 | 6.4±0.1 | 1.65±0.1 | 12±0.3 | 1.75±0.1 | 5.5±0.05 | 0.75 min | 8±0.1 | 2±0.05 | 4±0.1 | 1.5+0.2-0.0 | 1.5+0.2-0.0 |
| X | 4.67±0.1 | 7.62±0.1 | 1.65±0.1 | 12±0.3 | 1.75±0.1 | 5.5±0.05 | 0.75 min | 8±0.1 | 2±0.05 | 4±0.1 | 1.5+0.2-0.0 | 1.5+0.2-0.0 |
| Y | 4.67±0.1 | 7.62±0.1 | 2.15±0.1 | 12±0.3 | 1.75±0.1 | 5.5±0.05 | 0.75 min | 8±0.1 | 2±0.05 | 4±0.1 | 1.5+0.2-0.0 | 1.5+0.2-0.0 |
| R | 1.65±0.1 | 2.45±0.1 | 1.3±0.1 | 8±0.3 | 1.75±0.1 | 3.5±0.05 | 0.75 min | 4±0.1 | 2±0.05 | 4±0.1 | 1.5+0.2-0.0 | 1+0.2-0.0 |
| S | 1.95±0.1 | 3.55±0.1 | 1.3±0.1 | 8±0.3 | 1.75±0.1 | 3.5±0.05 | 0.75 min | 4±0.1 | 2±0.05 | 4±0.1 | 1.5+0.2-0.0 | 1+0.2-0.0 |
| T | 3.20±0.1 | 3.8±0.1 | 1.35±0.1 | 8±0.3 | 1.75±0.1 | 3.5±0.05 | 0.75 min | 4±0.1 | 2±0.05 | 4±0.1 | 1.5+0.2-0.0 | 1+0.2-0.0 |
| TACR | 1.65±0.1 | 2.45±0.1 | 1.3±0.1 | 8±0.3 | 1.75±0.1 | 3.5±0.05 | 0.75 min | 4±0.1 | 2±0.05 | 4±0.1 | 1.5+0.2-0.0 | 1+0.2-0.0 |
| TACL | 1.10±0.1 | 2±0.1 | 1.1±0.1 | 8±0.3 | 1.75±0.1 | 3.5±0.05 | 0.75 min | 4±0.1 | 2±0.05 | 4±0.1 | 1.5+0.2-0.0 | 1+0.2-0.0 |



REEL DIMENSIONS

| Code | Tape | A | B | C | W | t |
|------|------|---------|--------|--------|-------------|---------|
| R | 12mm | 180±2.0 | 50 min | 13±0.5 | 12.4±1.5,-0 | 1.5±0.5 |
| R | 8mm | 180±2.0 | 50 min | 13±0.5 | 8.4±1.5,-0 | 1.5±0.5 |
| S | 12mm | 330±2.0 | 50 min | 13±0.5 | 12.4±1.5,-0 | 1.5±0.5 |
| S | 8mm | 330±2.0 | 50 min | 13±0.5 | 8.4±1.5,-0 | 1.5±0.5 |
| X | 8mm | 100±2.0 | | 13±0.5 | 8.4±1.5,-0 | 1.5±0.5 |

Cover Tape Dimensions

Thickness: 75±25µm
Width of tape:
5.5mm + 0.2mm (8mm tape)
9.5mm + 0.2mm (12mm tape)