

## SMT Aluminum Electrolytic Capacitors - General Purpose, 85°C

### General Purpose Filtering, Bypassing, Power Supply Decoupling



Type AVS Capacitors are the best value for filter and bypass applications not requiring wide temperature performance or high ripple current. Their vertical cylindrical cases facilitate automatic mounting and reflow soldering and Type AVS offers a significant cost savings over tantalum capacitors.

#### Highlights

- +85°C, 2000 Hour Load Life
- Capacitance Range: 0.1 μF to 1500 μF
- Voltage Range: 4.0 Vdc to 100 Vdc

#### Specifications

**Operating Temperature:** -40°C to +85°C

**Rated voltage:** 4.0, 6.3, 10, 16, 25, 35, 63, & 100 Vdc

**Capacitance:** 0.1 μF to 1500 μF

**D.F. (@ 20°C):** See Ratings Table

**Capacitance Tolerance:** ±20% @ 120 Hz and +20°C

**Leakage Current:** 0.01 CV or 3 μA @ +20°C, after two minutes (whichever is greater)

**Ripple Current Multipliers:**

#### Frequency

| 50/60 Hz | 120 Hz | 1 kHz | 10 kHz & up |
|----------|--------|-------|-------------|
| 0.7      | 1.0    | 1.3   | 1.7         |

**Load Life:** 2000 h @ 85°C

Δ Capacitance: ±20%

DF: ≤200% of limit

DCL: <100% of limit

**Shelf Life:** 1000 h @ 85°C

Δ Capacitance: ±20%

DF: ≤200% of limit

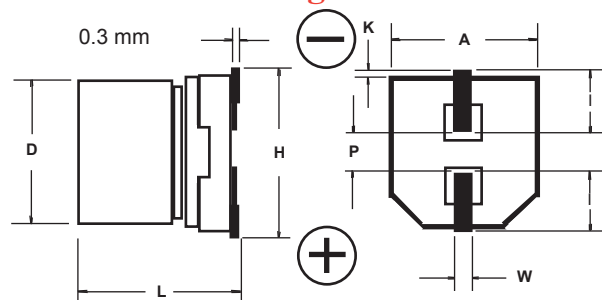
DCL: <100% of limit

| Maximum Impedance Ratio @ 120 Hz |      |     |      |      |      |      |      |      |       |
|----------------------------------|------|-----|------|------|------|------|------|------|-------|
| W.V. (Vdc)                       | 4.0  | 6.3 | 10.0 | 16.0 | 25.0 | 35.0 | 50.0 | 63.0 | 100.0 |
| -25°C / +20°C                    | 7.0  | 4.0 | 3.0  | 2.0  | 2.0  | 2.0  | 2.0  | 3.0  | 3.0   |
| -40°C / +20°C                    | 15.0 | 8.0 | 6.0  | 4.0  | 4.0  | 3.0  | 3.0  | 4.0  | 4.0   |

#### AVS Series Marking



#### Outline Drawing



#### Case Dimensions

| Case Code | D ± 0.5 | L          | A ± 0.2 | H (max) | I (ref) | W          | P (ref) | K                 |
|-----------|---------|------------|---------|---------|---------|------------|---------|-------------------|
| A         | 3       | 5.4 +1,-.2 | 3.3     | 4.5     | 1.5     | 0.55 ± 0.1 | 0.6     | 0.35 + 0.15/-0.20 |
| B         | 4       | 5.4 +1,-.2 | 4.3     | 5.5     | 1.8     | 0.65 ± 0.1 | 1.0     | 0.35 + 0.15/-0.20 |
| C         | 5       | 5.4 +1,-.2 | 5.3     | 6.5     | 2.2     | 0.65 ± 0.1 | 1.5     | 0.35 + 0.15/-0.20 |
| D         | 6.3     | 5.4 +1,-.2 | 6.6     | 7.8     | 2.6     | 0.65 ± 0.1 | 1.8     | 0.35 + 0.15/-0.20 |
| X         | 6.3     | 7.9 ±.3    | 6.6     | 7.8     | 2.6     | 0.65 ± 0.1 | 1.8     | 0.35 + 0.15/-0.20 |
| E         | 8       | 6.2 ±.3    | 8.3     | 9.5     | 3.4     | 0.65 ± 0.1 | 2.2     | 0.35 + 0.15/-0.20 |
| F         | 8       | 10.2 ±.3   | 8.3     | 10.0    | 3.4     | 0.90 ± 0.2 | 3.1     | 0.70 ± 0.20       |
| G         | 10      | 10.2 ±.3   | 10.3    | 12.0    | 3.5     | 0.90 ± 0.2 | 4.6     | 0.70 ± 0.20       |

# Type AVS

## SMT Aluminum Electrolytic Capacitors - General Purpose, 85°C

### Ratings

| Cap (µF)                     | Catalog Part Number | Max. DCL (µA) | Max. Dissipation Factor @ 120 Hz | Max. ESR @ 120 Hz/20 °C (Ohms) | Max. Ripple Current 120 Hz/85 °C (mA) | Case Code | Size D x L (mm) | Quantity per Reel |
|------------------------------|---------------------|---------------|----------------------------------|--------------------------------|---------------------------------------|-----------|-----------------|-------------------|
| <b>4 Vdc (5 Vdc Surge)</b>   |                     |               |                                  |                                |                                       |           |                 |                   |
| 22                           | AVS226M04A12T       | 3.0           | 0.37                             | 27.9                           | 19                                    | A         | 3 x 5.4         | 2000              |
| 33                           | AVS336M04B12T       | 3.0           | 0.35                             | 17.6                           | 26                                    | B         | 4 x 5.4         | 2000              |
| 47                           | AVS476M04B12T       | 3.0           | 0.35                             | 12.3                           | 34                                    | B         | 4 x 5.4         | 2000              |
| 100                          | AVS107M04C12T       | 4.0           | 0.35                             | 5.8                            | 61                                    | C         | 5 x 5.4         | 1000              |
| 220                          | AVS227M04D16T       | 8.8           | 0.35                             | 2.6                            | 82                                    | D         | 6.3 x 5.4       | 1000              |
| <b>6.3 Vdc (8 Vdc Surge)</b> |                     |               |                                  |                                |                                       |           |                 |                   |
| 22                           | AVS226M06A12T       | 3.0           | 0.35                             | 26.4                           | 20                                    | A         | 3 x 5.4         | 2000              |
| 22                           | AVS226M06B12T       | 3.0           | 0.26                             | 19.6                           | 29                                    | B         | 4 x 5.4         | 2000              |
| 33                           | AVS336M06B12T       | 3.0           | 0.35                             | 17.6                           | 29                                    | B         | 4 x 5.4         | 2000              |
| 47                           | AVS476M06B12T       | 3.0           | 0.35                             | 12.3                           | 36                                    | B         | 4 x 5.4         | 2000              |
| 47                           | AVS476M06C12T       | 3.0           | 0.26                             | 9.2                            | 46                                    | C         | 5 x 5.4         | 1000              |
| 100                          | AVS107M06C12T       | 6.3           | 0.35                             | 5.8                            | 47                                    | C         | 5 x 5.4         | 1000              |
| 100                          | AVS107M06D16T       | 6.3           | 0.26                             | 4.3                            | 71                                    | D         | 6.3 x 5.4       | 1000              |
| 220                          | AVS227M06D16T       | 13.9          | 0.35                             | 2.6                            | 74                                    | D         | 6.3 x 5.4       | 1000              |
| 330                          | AVS337M06X16T       | 20.8          | 0.26                             | 1.3                            | 150                                   | X         | 6.3 x 7.9       | 900               |
| 330                          | AVS337M06E16T       | 20.8          | 0.35                             | 1.8                            | 300                                   | E         | 8 x 6.2         | 1000              |
| 470                          | AVS477M06F24T       | 29.6          | 0.35                             | 1.2                            | 380                                   | F         | 8 x 10.2        | 500               |
| 1000                         | AVS108M06F24T       | 63.0          | 0.35                             | 0.6                            | 500                                   | F         | 8 x 10.2        | 500               |
| 1000                         | AVS108M06G24T       | 63.0          | 0.35                             | 0.6                            | 700                                   | G         | 10 x 10.2       | 500               |
| 1500                         | AVS158M06G24T       | 94.5          | 0.35                             | 0.4                            | 700                                   | G         | 10 x 10.2       | 500               |
| <b>10 Vdc (13 Vdc Surge)</b> |                     |               |                                  |                                |                                       |           |                 |                   |
| 22                           | AVS226M10B12T       | 3.0           | 0.3                              | 22.6                           | 28                                    | B         | 4 x 5.4         | 2000              |
| 33                           | AVS336M10B12T       | 3.3           | 0.3                              | 15.1                           | 29                                    | B         | 4 x 5.4         | 2000              |
| 33                           | AVS336M10C12T       | 3.3           | 0.2                              | 10.1                           | 43                                    | C         | 5 x 5.4         | 1000              |
| 47                           | AVS476M10C12T       | 4.7           | 0.3                              | 10.6                           | 43                                    | C         | 5 x 5.4         | 1000              |
| 100                          | AVS107M10C12T       | 10.0          | 0.3                              | 5.0                            | 50                                    | C         | 5 x 5.4         | 1000              |
| 100                          | AVS107M10D16T       | 10.0          | 0.2                              | 3.3                            | 70                                    | D         | 6.3 x 5.4       | 1000              |
| 220                          | AVS227M10X16T       | 22.0          | 0.2                              | 1.5                            | 150                                   | X         | 6.3 x 7.9       | 900               |
| 220                          | AVS227M10E16T       | 22.0          | 0.26                             | 2.0                            | 250                                   | E         | 8 x 6.2         | 1000              |
| 330                          | AVS337M10F24T       | 33.0          | 0.26                             | 1.3                            | 330                                   | F         | 8 x 10.2        | 500               |
| 470                          | AVS477M10F24T       | 47.0          | 0.26                             | 0.9                            | 330                                   | F         | 8 x 10.2        | 500               |
| 470                          | AVS477M10G24T       | 47.0          | 0.26                             | 0.9                            | 400                                   | G         | 10 x 10.2       | 500               |
| 1000                         | AVS108M10G24T       | 100.0         | 0.26                             | 0.4                            | 580                                   | G         | 10 x 10.2       | 500               |
| <b>16 Vdc (20 Vdc Surge)</b> |                     |               |                                  |                                |                                       |           |                 |                   |
| 10                           | AVS106M16A12T       | 3.0           | 0.18                             | 29.9                           | 20                                    | A         | 3 x 5.4         | 2000              |
| 10                           | AVS106M16B12T       | 3.0           | 0.16                             | 26.5                           | 28                                    | B         | 4 x 5.4         | 2000              |
| 22                           | AVS226M16B12T       | 3.5           | 0.26                             | 19.6                           | 28                                    | B         | 4 x 5.4         | 2000              |
| 22                           | AVS226M16C12T       | 3.5           | 0.16                             | 12.1                           | 39                                    | C         | 5 x 5.4         | 1000              |
| 33                           | AVS336M16C12T       | 5.3           | 0.26                             | 13.1                           | 35                                    | C         | 5 x 5.4         | 1000              |
| 47                           | AVS476M16C12T       | 7.5           | 0.26                             | 9.2                            | 39                                    | C         | 5 x 5.4         | 1000              |
| 47                           | AVS476M16D16T       | 7.5           | 0.16                             | 5.6                            | 70                                    | D         | 6.3 x 5.4       | 1000              |
| 100                          | AVS107M16D16T       | 16.0          | 0.26                             | 4.3                            | 70                                    | D         | 6.3 x 5.4       | 1000              |
| 100                          | AVS107M16E16T       | 16.0          | 0.2                              | 3.3                            | 200                                   | E         | 8 x 6.2         | 1000              |
| 220                          | AVS227M16X16T       | 35.2          | 0.16                             | 1.2                            | 150                                   | X         | 6.3 x 7.9       | 900               |
| 220                          | AVS227M16E16T       | 35.2          | 0.2                              | 1.5                            | 200                                   | E         | 8 x 6.2         | 1000              |
| 220                          | AVS227M16F24T       | 35.2          | 0.2                              | 1.5                            | 280                                   | F         | 8 x 10.2        | 500               |
| 330                          | AVS337M16F24T       | 52.8          | 0.2                              | 1.0                            | 320                                   | F         | 8 x 10.2        | 500               |
| 330                          | AVS337M16G24T       | 52.8          | 0.2                              | 1.0                            | 380                                   | G         | 10 x 10.2       | 500               |
| 470                          | AVS477M16F24T       | 75.2          | 0.2                              | 0.7                            | 320                                   | F         | 8 x 10.2        | 500               |
| 470                          | AVS477M16G24T       | 75.2          | 0.2                              | 0.7                            | 420                                   | G         | 10 x 10.2       | 500               |
| <b>25 Vdc (31 Vdc Surge)</b> |                     |               |                                  |                                |                                       |           |                 |                   |
| 4.7                          | AVS475M25A12T       | 3.0           | 0.16                             | 56.5                           | 12                                    | A         | 3 x 5.4         | 2000              |
| 4.7                          | AVS475M25B12T       | 3.0           | 0.14                             | 49.4                           | 22                                    | B         | 4 x 5.4         | 2000              |
| 10                           | AVS106M25B12T       | 3.0           | 0.2                              | 33.2                           | 22                                    | B         | 4 x 5.4         | 2000              |
| 10                           | AVS106M25C12T       | 3.0           | 0.14                             | 23.2                           | 28                                    | C         | 5 x 5.4         | 1000              |
| 22                           | AVS226M25C12T       | 5.5           | 0.2                              | 15.1                           | 35                                    | C         | 5 x 5.4         | 1000              |
| 22                           | AVS226M25D16T       | 5.5           | 0.14                             | 10.6                           | 55                                    | D         | 6.3 x 5.4       | 1000              |
| 33                           | AVS336M25C12T       | 8.3           | 0.2                              | 10.0                           | 42                                    | C         | 5 x 5.4         | 1000              |
| 33                           | AVS336M25D16T       | 8.3           | 0.14                             | 7.0                            | 65                                    | D         | 6.3 x 5.4       | 1000              |
| 47                           | AVS476M25D16T       | 11.8          | 0.2                              | 7.1                            | 70                                    | D         | 6.3 x 5.4       | 1000              |
| 100                          | AVS107M25X16T       | 25.0          | 0.14                             | 2.3                            | 150                                   | X         | 6.3 x 7.9       | 900               |
| 100                          | AVS107M25E16T       | 25.0          | 0.16                             | 2.7                            | 91                                    | E         | 8 x 6.2         | 1000              |
| 100                          | AVS107M25F24T       | 25.0          | 0.16                             | 2.7                            | 180                                   | F         | 8 x 10.2        | 500               |
| 220                          | AVS227M25F24T       | 55.0          | 0.16                             | 1.2                            | 140                                   | F         | 8 x 10.2        | 500               |
| 220                          | AVS227M25G24T       | 55.0          | 0.16                             | 1.2                            | 310                                   | G         | 10 x 10.2       | 500               |
| 330                          | AVS337M25F24T       | 82.5          | 0.16                             | 0.8                            | 150                                   | F         | 8 x 10.2        | 500               |
| 330                          | AVS337M25G24T       | 82.5          | 0.16                             | 0.8                            | 340                                   | G         | 10 x 10.2       | 500               |
| 470                          | AVS477M25G24T       | 117.5         | 0.16                             | 0.6                            | 360                                   | G         | 10 x 10.2       | 500               |

## SMT Aluminum Electrolytic Capacitors - General Purpose, 85°C

| Cap<br>(µF)                    | Catalog<br>Part Number | Max.<br>DCL<br>(µA) | Dissipation<br>Factor @<br>120 Hz | ESR @<br>120 Hz/20 °C<br>(Ohms) | Ripple Current<br>120 Hz/85 °C<br>(mA) | Case<br>Code | Size<br>D x L<br>(mm) | Quantity<br>per Reel |
|--------------------------------|------------------------|---------------------|-----------------------------------|---------------------------------|--|--------------|-----------------------|----------------------|
| <b>35 Vdc (44 Vdc Surge)</b>   |                        |                     |                                   |                                 |  |              |                       |                      |
| 2.2                            | AVS225M35A12T          | 3.0                 | 0.14                              | 105.6                           | 8                                      | A            | 3 x 5.4               | 2000                 |
| 3.3                            | AVS335M35A12T          | 3.0                 | 0.14                              | 70.4                            | 10                                     | A            | 3 x 5.4               | 2000                 |
| 4.7                            | AVS475M35B12T          | 3.0                 | 0.12                              | 42.4                            | 22                                     | B            | 4 x 5.4               | 2000                 |
| 10                             | AVS106M35B12T          | 3.5                 | 0.16                              | 26.5                            | 22                                     | B            | 4 x 5.4               | 2000                 |
| 10                             | AVS106M35C12T          | 3.5                 | 0.12                              | 19.9                            | 30                                     | C            | 5 x 5.4               | 1000                 |
| 22                             | AVS226M35C12T          | 7.7                 | 0.16                              | 12.1                            | 36                                     | C            | 5 x 5.4               | 1000                 |
| 22                             | AVS226M35D16T          | 7.7                 | 0.12                              | 9.1                             | 60                                     | D            | 6.3 x 5.4             | 1000                 |
| 33                             | AVS336M35D16T          | 11.6                | 0.16                              | 8.0                             | 60                                     | D            | 6.3 x 5.4             | 1000                 |
| 33                             | AVS336M35E16T          | 11.6                | 0.14                              | 7.0                             | 130                                    | E            | 8 x 6.2               | 1000                 |
| 47                             | AVS476M35D16T          | 16.5                | 0.16                              | 5.6                             | 70                                     | D            | 6.3 x 5.4             | 1000                 |
| 47                             | AVS476M35E16T          | 16.5                | 0.14                              | 4.9                             | 165                                    | E            | 8 x 6.2               | 1000                 |
| 100                            | AVS107M35X16T          | 35.0                | 0.12                              | 2.0                             | 130                                    | X            | 6.3 x 7.9             | 900                  |
| 100                            | AVS107M35F24T          | 35.0                | 0.14                              | 2.3                             | 140                                    | F            | 8 x 10.2              | 500                  |
| 100                            | AVS107M35G24T          | 35.0                | 0.14                              | 2.3                             | 210                                    | G            | 10 x 10.2             | 500                  |
| 220                            | AVS227M35F24T          | 77.0                | 0.14                              | 1.1                             | 200                                    | F            | 8 x 10.2              | 500                  |
| 220                            | AVS227M35G24T          | 77.0                | 0.14                              | 1.1                             | 310                                    | G            | 10 x 10.2             | 500                  |
| 330                            | AVS337M35G24T          | 115.5               | 0.14                              | 0.7                             | 320                                    | G            | 10 x 10.2             | 500                  |
| <b>50 Vdc (63 Vdc Surge)</b>   |                        |                     |                                   |                                 |  |              |                       |                      |
| 0.1                            | AVS104M50A12T          | 3.0                 | 0.14                              | 2322.0                          | 1                                      | A            | 3 x 5.4               | 2000                 |
| 0.1                            | AVS104M50B12T          | 3.0                 | 0.12                              | 1990.0                          | 1                                      | B            | 4 x 5.4               | 2000                 |
| 0.22                           | AVS224M50A12T          | 3.0                 | 0.14                              | 1055.0                          | 2                                      | A            | 3 x 5.4               | 2000                 |
| 0.22                           | AVS224M50B12T          | 3.0                 | 0.12                              | 905.0                           | 2                                      | B            | 4 x 5.4               | 2000                 |
| 0.33                           | AVS334M50A12T          | 3.0                 | 0.14                              | 704.0                           | 3                                      | A            | 3 x 5.4               | 2000                 |
| 0.33                           | AVS334M50B12T          | 3.0                 | 0.12                              | 603.0                           | 3                                      | B            | 4 x 5.4               | 2000                 |
| 0.47                           | AVS474M50A12T          | 3.0                 | 0.14                              | 494.0                           | 5                                      | A            | 3 x 5.4               | 2000                 |
| 0.47                           | AVS474M50B12T          | 3.0                 | 0.12                              | 424.0                           | 5                                      | B            | 4 x 5.4               | 2000                 |
| 1                              | AVS105M50A12T          | 3.0                 | 0.14                              | 232.0                           | 8                                      | A            | 3 x 5.4               | 2000                 |
| 1                              | AVS105M50B12T          | 3.0                 | 0.12                              | 199.0                           | 10                                     | B            | 4 x 5.4               | 2000                 |
| 2.2                            | AVS225M50A12T          | 3.0                 | 0.14                              | 106.0                           | 10                                     | A            | 3 x 5.4               | 2000                 |
| 2.2                            | AVS225M50B12T          | 3.0                 | 0.12                              | 90.5                            | 16                                     | B            | 4 x 5.4               | 2000                 |
| 3.3                            | AVS335M50B12T          | 3.0                 | 0.12                              | 60.3                            | 16                                     | B            | 4 x 5.4               | 2000                 |
| 4.7                            | AVS475M50B12T          | 3.0                 | 0.14                              | 49.4                            | 18                                     | B            | 4 x 5.4               | 2000                 |
| 4.7                            | AVS475M50C12T          | 3.0                 | 0.12                              | 42.4                            | 23                                     | C            | 5 x 5.4               | 1000                 |
| 10                             | AVS106M50C12T          | 5.0                 | 0.14                              | 23.2                            | 27                                     | C            | 5 x 5.4               | 1000                 |
| 10                             | AVS106M50D16T          | 5.0                 | 0.12                              | 19.9                            | 35                                     | D            | 6.3 x 5.4             | 1000                 |
| 22                             | AVS226M50D16T          | 11.0                | 0.14                              | 10.6                            | 60                                     | D            | 6.3 x 5.4             | 1000                 |
| 22                             | AVS226M50E16T          | 11.0                | 0.12                              | 9.1                             | 120                                    | E            | 8 x 6.2               | 1000                 |
| 33                             | AVS336M50X16T          | 16.5                | 0.12                              | 6.0                             | 85                                     | X            | 6.3 x 7.9             | 900                  |
| 33                             | AVS336M50E16T          | 16.5                | 0.12                              | 6.0                             | 130                                    | E            | 8 x 6.2               | 1000                 |
| 33                             | AVS336M50F24T          | 16.5                | 0.12                              | 6.0                             | 140                                    | F            | 8 x 10.2              | 500                  |
| 47                             | AVS476M50X16T          | 23.5                | 0.12                              | 4.2                             | 90                                     | X            | 6.3 x 7.9             | 900                  |
| 47                             | AVS476M50F24T          | 23.5                | 0.12                              | 4.2                             | 150                                    | F            | 8 x 10.2              | 500                  |
| 47                             | AVS476M50G24T          | 23.5                | 0.12                              | 4.2                             | 160                                    | G            | 10 x 10.2             | 500                  |
| 100                            | AVS107M50F24T          | 50.0                | 0.12                              | 2.0                             | 200                                    | F            | 8 x 10.2              | 500                  |
| 100                            | AVS107M50G24T          | 50.0                | 0.12                              | 2.0                             | 250                                    | G            | 10 x 10.2             | 500                  |
| 220                            | AVS227M50G24T          | 110.0               | 0.12                              | 0.9                             | 300                                    | G            | 10 x 10.2             | 500                  |
| <b>63 Vdc (75 Vdc Surge)</b>   |                        |                     |                                   |                                 |  |              |                       |                      |
| 10                             | AVS106M63D16T          | 6.3                 | 0.18                              | 29.9                            | 35                                     | D*           | 6.3 x 5.7             | 1000                 |
| 22                             | AVS226M63E16T          | 13.9                | 0.18                              | 13.6                            | 40                                     | E            | 8 x 6.2               | 1000                 |
| 22                             | AVS226M63F24T          | 13.9                | 0.18                              | 13.6                            | 40                                     | F            | 8 x 10.2              | 500                  |
| 33                             | AVS336M63F24T          | 20.8                | 0.18                              | 9.1                             | 45                                     | F            | 8 x 10.2              | 500                  |
| 47                             | AVS476M63F24T          | 29.6                | 0.18                              | 6.4                             | 45                                     | F            | 8 x 10.2              | 500                  |
| 100                            | AVS107M63G24T          | 63.0                | 0.18                              | 3.0                             | 60                                     | G            | 10 x 10.2             | 500                  |
| <b>100 Vdc (125 Vdc Surge)</b> |                        |                     |                                   |                                 |  |              |                       |                      |
| 3.3                            | AVS335M2AE16T          | 3.3                 | 0.18                              | 90.4                            | 50                                     | E            | 8 x 6.2               | 1000                 |
| 4.7                            | AVS475M2AE16T          | 4.7                 | 0.18                              | 63.5                            | 50                                     | E            | 8 x 6.2               | 1000                 |
| 4.7                            | AVS475M2AF24T          | 4.7                 | 0.18                              | 63.5                            | 80                                     | F            | 8 x 10.2              | 500                  |
| 10                             | AVS106M2AE16T          | 10.0                | 0.18                              | 29.8                            | 50                                     | E            | 8 x 6.2               | 1000                 |
| 10                             | AVS106M2AF24T          | 10.0                | 0.18                              | 29.8                            | 85                                     | F            | 8 x 10.2              | 500                  |
| 22                             | AVS226M2AF24T          | 22.0                | 0.18                              | 13.6                            | 70                                     | F            | 8 x 10.2              | 500                  |
| 22                             | AVS226M2AG24T          | 22.0                | 0.18                              | 13.6                            | 90                                     | G            | 10 x 10.2             | 500                  |
| 33                             | AVS336M2AG24T          | 33.0                | 0.18                              | 8.0                             | 90                                     | G            | 10 x 10.2             | 500                  |

\*Overall case height (L dimension) is 5.7 mm ±0.3 mm

### Part Numbering System

|             |  |  |   |   |   |                       |
|-------------|--|--|---|---|---|-----------------------|
| <b>AVS</b>  | <b>106</b>   | <b>M</b>                                 | <b>16</b>   | <b>B</b>  | <b>12T</b>  | <b>-F</b>             |
|             |  |  |   |   |   |                       |
| <b>Type</b> | <b>Capacitance</b><br>104 = 0.1 µF<br>105 = 1.0 µF<br>106 = 10 µF<br>107 = 100 µF<br>108 = 1000 µF | <b>Capacitance Tolerance</b><br>M = ±20% | <b>Voltage</b><br>04 = 4 Vdc<br>06 = 6.3 Vdc<br>10 = 10 Vdc<br>16 = 16 Vdc<br>25 = 25 Vdc | <b>Case Code</b><br>35 = 35 Vdc<br>50 = 50 Vdc<br>63 = 63 Vdc<br>2A = 100 Vdc | <b>Packaging Information</b><br>12 = Carrier Tape Width (mm)<br>T = Tape & Reel<br>B = Bulk | <b>RoHS Compliant</b> |

### Typical Performance Curves

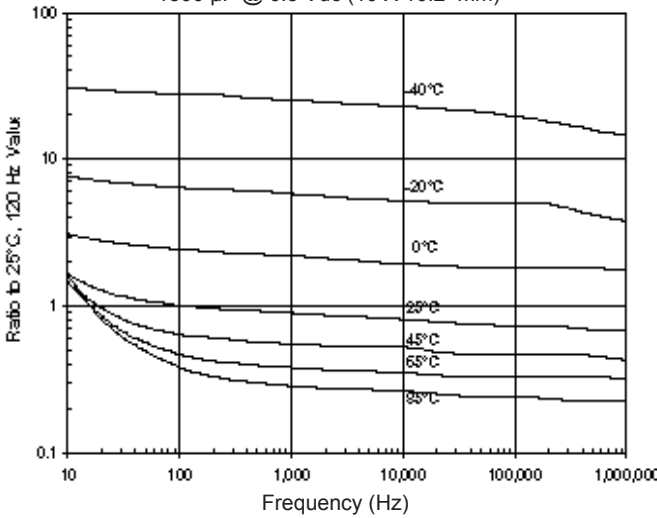
Capacitance vs. Temperature & Frequency  
1500  $\mu\text{F}$  @ 6.3 Vdc (10 X 10.2 mm)



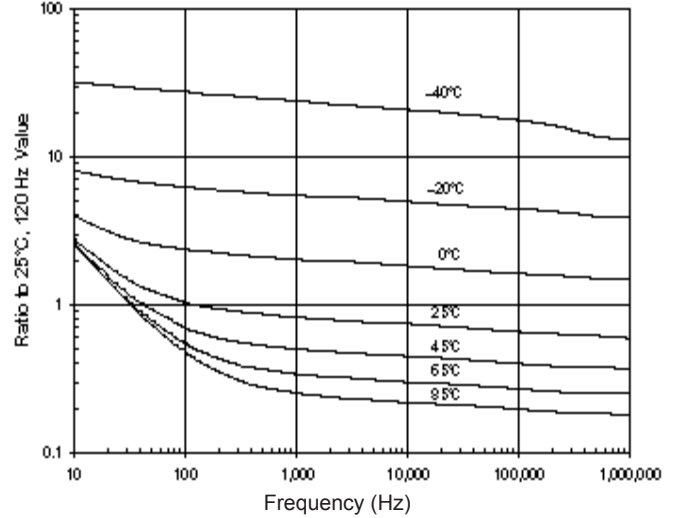
Capacitance vs. Temperature & Frequency  
100  $\mu\text{F}$  @ 16 Vdc (10 X 10.2 mm)



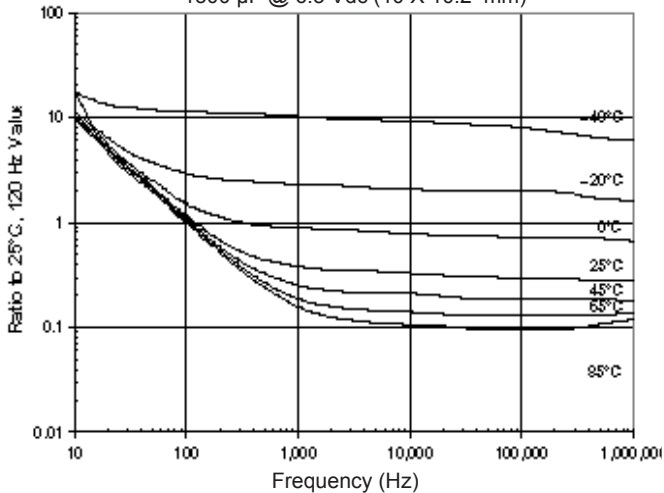
ESR vs. Temperature and Frequency  
1500  $\mu\text{F}$  @ 6.3 Vdc (10 X 10.2 mm)



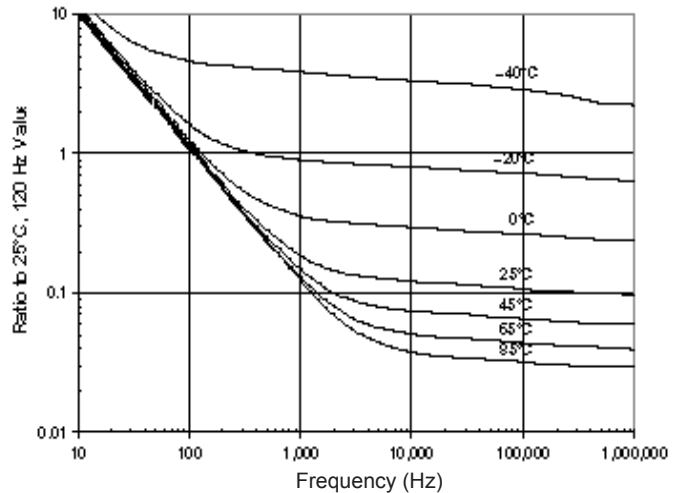
ESR vs. Temperature and Frequency  
100  $\mu\text{F}$  @ 16 Vdc (10 X 10.2 mm)



Impedance vs. Temperature and Frequency  
1500  $\mu\text{F}$  @ 6.3 Vdc (10 X 10.2 mm)



Impedance vs. Temperature and Frequency  
100  $\mu\text{F}$  @ 16 Vdc (10 X 10.2 mm)



# Type AVS

## SMT Aluminum Electrolytic Capacitors - General Purpose, 85°C

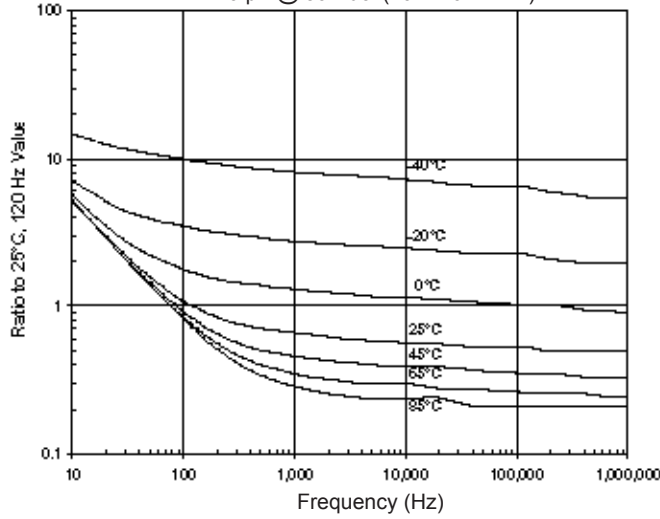
Capacitance vs. Temperature & Frequency  
220  $\mu$ F @ 50 Vdc (10 X 10.2 mm)



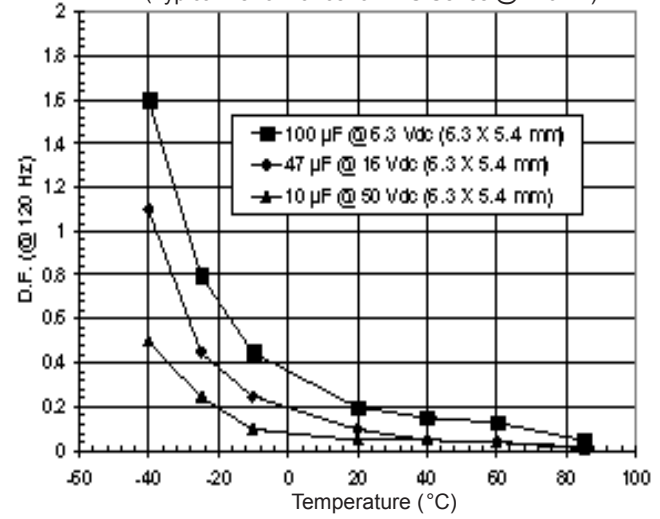
Capacitance Change with Temperature  
(Typical Performance for AVS Series @ 120 Hz)



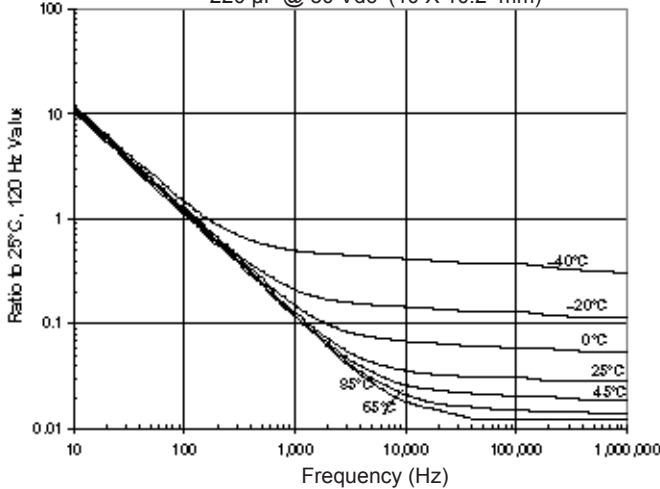
ESR vs. Temperature and Frequency  
220  $\mu$ F @ 50 Vdc (10 X 10.2 mm)



Dissipation Factor vs. Temperature  
(Typical Performance for AVS Series @ 120 Hz)



Impedance vs. Temperature and Frequency  
220  $\mu$ F @ 50 Vdc (10 X 10.2 mm)



Capacitance Change vs. Time  
(Typical Performance for AVS Series)



## Данный компонент на территории Российской Федерации

### Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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