



**THE DATASHEET OF
AVS336M63F24T-F**



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

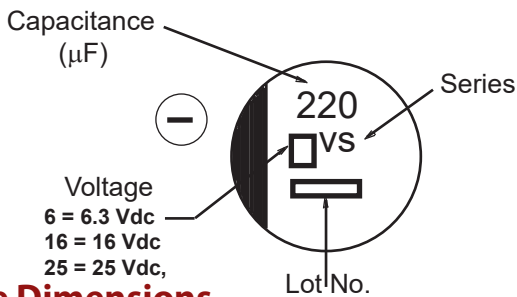
- +85°C, 2000 Hour Load Life
- Capacitance Range: 0.1 μF to 1500 μF
- Voltage Range: 4.0 Vdc to 100 Vdc
- AEC-Q200 Compliant

Specifications

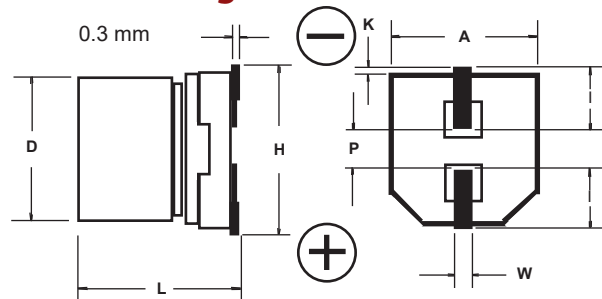
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|-------------------|-------------|-------|-------------|------|------|------|-------|------|-------|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|
| Capacitance Range | 0.1 μF to 1500 μF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Capacitance Tolerance | ±20% @ 120 Hz and +20 °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated Voltage | 6.3, 10, 16, 25, 50 Vdc | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operating Temperature Range | -40 °C to +85 °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leakage Current | I = 0.01 CV or 3 (μA) whichever is greater after 2 minutes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dissipation Factor | See ratings table | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ripple Current Multipliers (Frequency) | <table border="1"> <tr> <td>50/60 Hz</td> <td>120 Hz</td> <td>1 kHz</td> <td>10 kHz & up</td> </tr> <tr> <td>0.70</td> <td>1.0</td> <td>1.3</td> <td>1.7</td> </tr> </table> | 50/60 Hz | 120 Hz | 1 kHz | 10 kHz & up | 0.70 | 1.0 | 1.3 | 1.7 | | | | | | | | | | | | | | | | | | | | | | |
| 50/60 Hz | 120 Hz | 1 kHz | 10 kHz & up | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.70 | 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 | <table border="1"> <tr> <td>W.V. (Vdc)</td> <td>4.0</td> <td>6.3</td> <td>10.0</td> <td>16.0</td> <td>25.0</td> <td>35.0</td> <td>50.0</td> <td>63.0</td> <td>100.0</td> </tr> <tr> <td>-25°C / +20°C</td> <td>7.0</td> <td>4.0</td> <td>3.0</td> <td>2.0</td> <td>2.0</td> <td>2.0</td> <td>2.0</td> <td>3.0</td> <td>3.0</td> </tr> <tr> <td>-40°C / +20°C</td> <td>15.0</td> <td>8.0</td> <td>6.0</td> <td>4.0</td> <td>4.0</td> <td>3.0</td> <td>3.0</td> <td>4.0</td> <td>4.0</td> </tr> </table> | 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 |
| 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 | | | | | | | | | | | | | | | | | | | | | | |

RoHS Compliant

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

*Denotes discontinued part

SMT Aluminum Electrolytic Capacitors - General Purpose, 85°C

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

*Denotes discontinued part

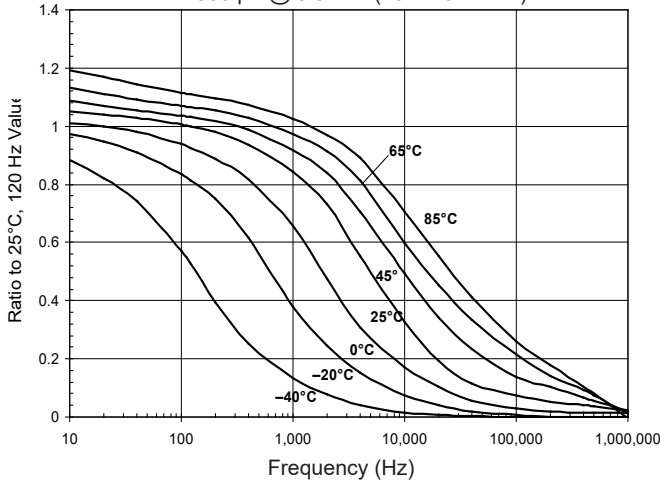
*Overall case height (L dimension) is 5.7 mm ±0.3 mm

Part Numbering System

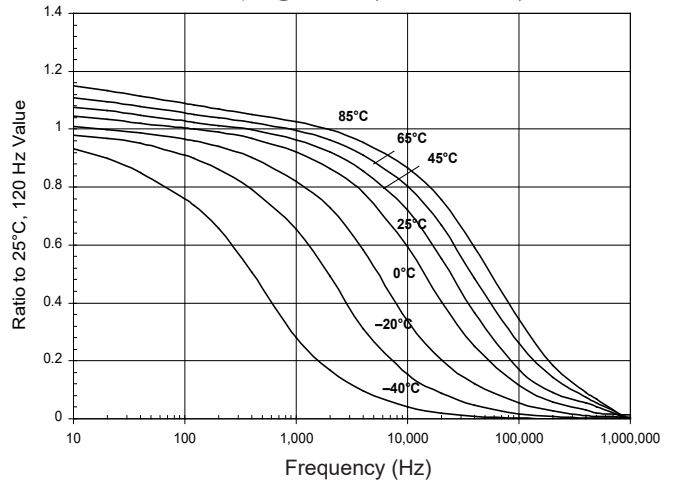
| | | | | | | |
|-------------|--|------------------------------|---|---|---|-----------------------|
| AVS | 106 | M | 16 | B | 12T | -F |
| | | | | | | |
| Type | Capacitance | Capacitance Tolerance | Voltage | Case Code | Packaging Information | RoHS Compliant |
| | 104 = 0.1 µF 105 = 1.0 µF 106 =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

Typical Performance Curves

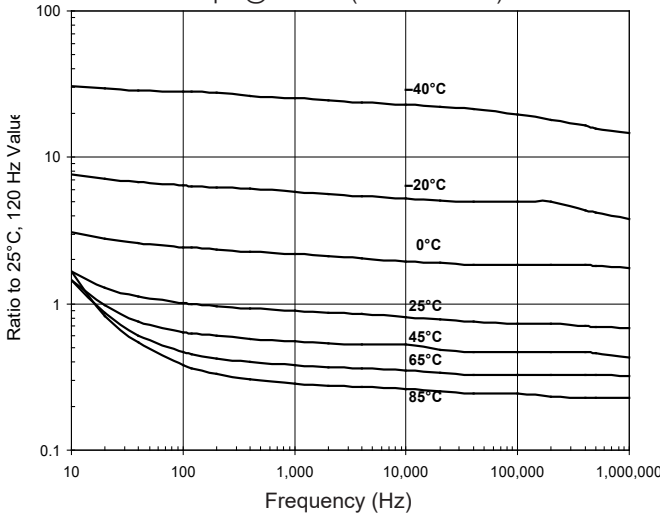
Capacitance vs. Temperature & Frequency
1500 μ F @ 6.3 Vdc (10 X 10.2 mm)



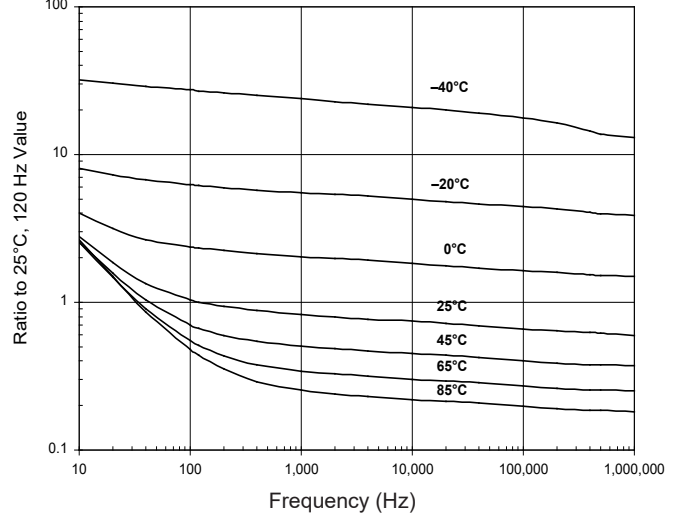
Capacitance vs. Temperature & Frequency
100 μ F @ 16 Vdc (10 X 10.2 mm)



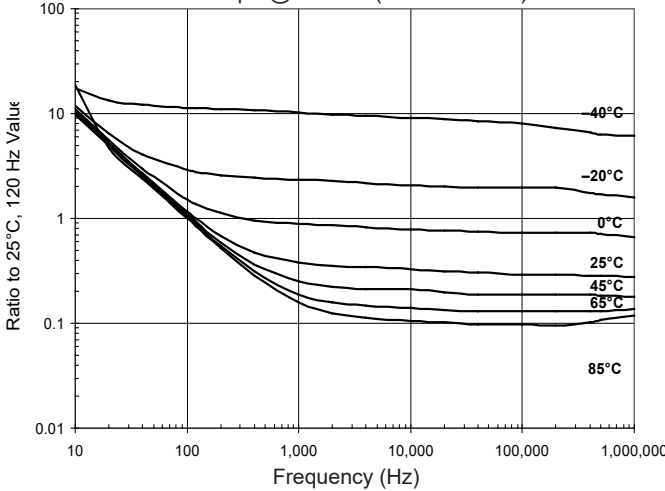
ESR vs. Temperature and Frequency
1500 μ F @ 6.3 Vdc (10 X 10.2 mm)



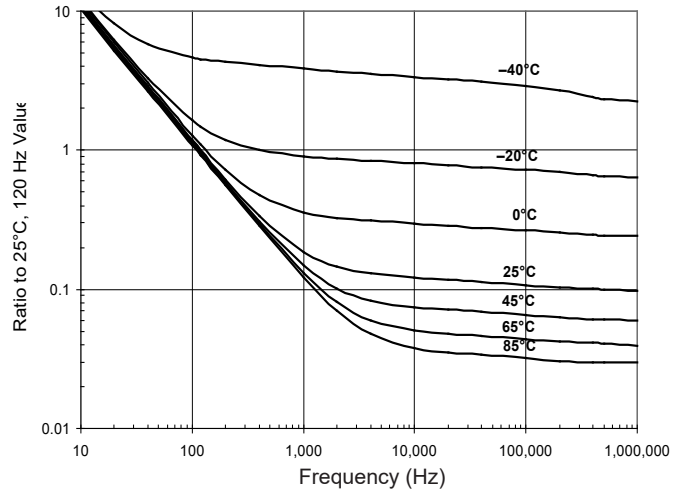
ESR vs. Temperature and Frequency
100 μ F @ 16 Vdc (10 X 10.2 mm)



Impedance vs. Temperature and Frequency
1500 μ F @ 6.3 Vdc (10 X 10.2 mm)

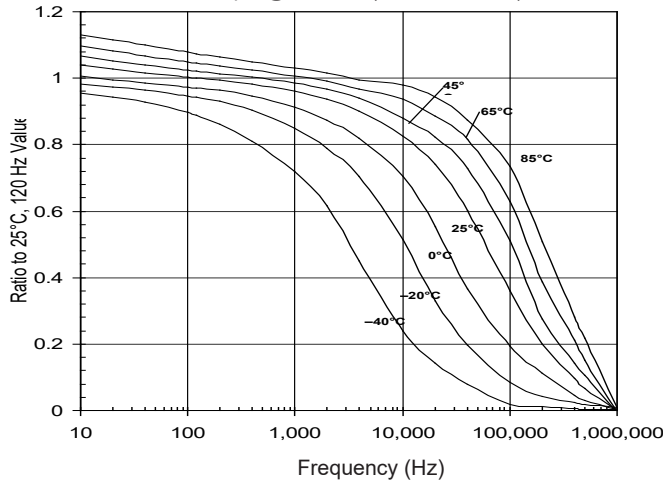


Impedance vs. Temperature and Frequency
100 μ F @ 16 Vdc (10 X 10.2 mm)

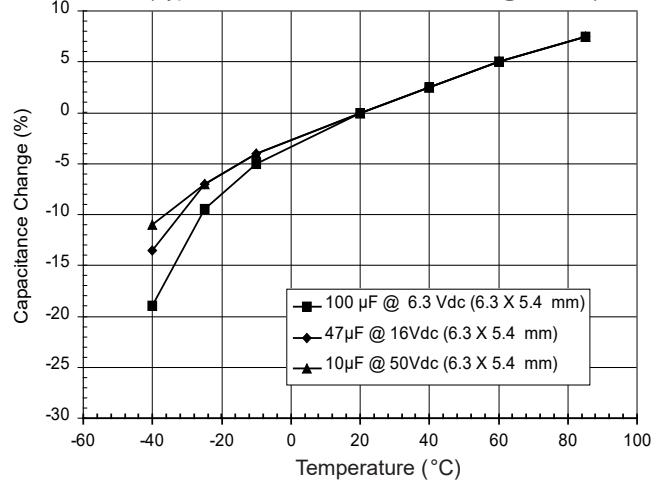


SMT Aluminum Electrolytic Capacitors - General Purpose, 85°C

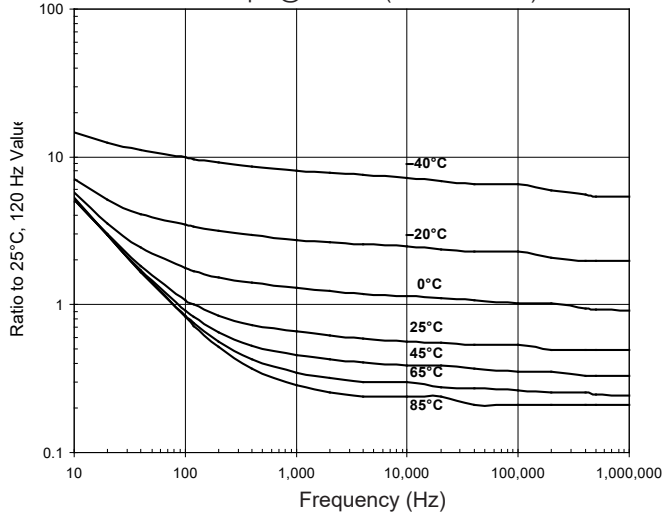
Capacitance vs. Temperature & Frequency
220 μ F @ 50 Vdc (10 X 10.2 mm)



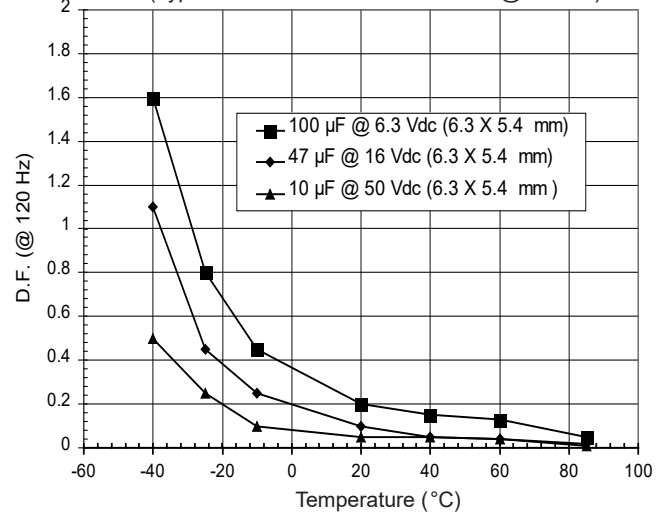
Capacitance Change with Temperature
(Typical Performance for AVS Series @ 120 Hz)



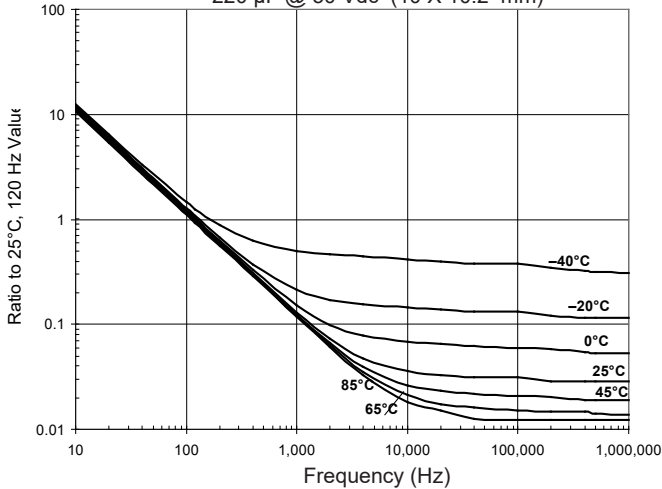
ESR vs. Temperature and Frequency
220 μ F @ 50 Vdc (10 X 10.2 mm)



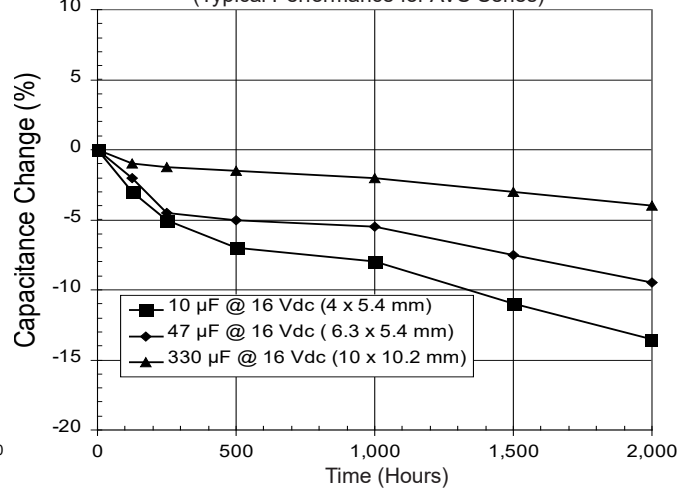
Dissipation Factor vs. Temperature
(Typical Performance for AVS Series @ 120 Hz)



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



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



Notice and Disclaimer: All product drawings, descriptions, specifications, statements, information and data (collectively, the "Information") in this datasheet or other publication are subject to change. The customer is responsible for checking, confirming and verifying the extent to which the Information contained in this datasheet or other publication is applicable to an order at the time the order is placed. All Information given herein is believed to be accurate and reliable, but it is presented without any guarantee, warranty, representation or responsibility of any kind, expressed or implied. Statements of suitability for certain applications are based on the knowledge that the Cornell Dubilier company providing such statements ("Cornell Dubilier") has of operating conditions that such Cornell Dubilier company regards as typical for such applications, but are not intended to constitute any guarantee, warranty or representation regarding any such matter – and Cornell Dubilier specifically and expressly disclaims any guarantee, warranty or representation concerning the suitability for a specific customer application, use, storage, transportation, or operating environment. The Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by Cornell Dubilier with reference to the use of any Cornell Dubilier products is given gratis (unless otherwise specified by Cornell Dubilier), and Cornell Dubilier assumes no obligation or liability for the advice given or results obtained. Although Cornell Dubilier strives to apply the most stringent quality and safety standards regarding the design and manufacturing of its products, in light of the current state of the art, isolated component failures may still occur. Accordingly, customer applications which require a high degree of reliability or safety should employ suitable designs or other safeguards (such as installation of protective circuitry or redundancies or other appropriate protective measures) in order to ensure that the failure of an electrical component does not result in a risk of personal injury or property damage. Although all product-related warnings, cautions and notes must be observed, the customer should not assume that all safety measures are indicated in such warnings, cautions and notes, or that other safety measures may not be required.

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- ⊖ [View AVS336M63F24T-F on WIN SOURCE](#)
- ⊖ [Cornell Dubilier Electronics \(CDE\) Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

- ✓ Global Sourcing Solution
- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management