



**THE DATASHEET OF
AVS227M25F24T-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

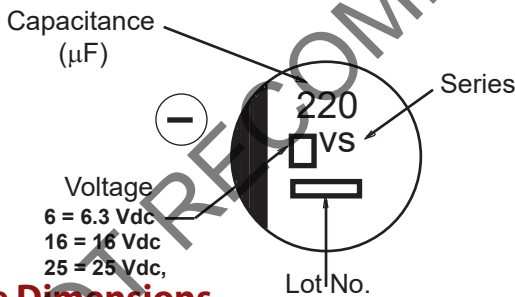
- +85°C, 2000 Hour Load Life
- Capacitance Range: 0.1 μF to 1500 μF
- Voltage Range: 4.0 Vdc to 100 Vdc
- AEC-Q200 Compliant

Specifications

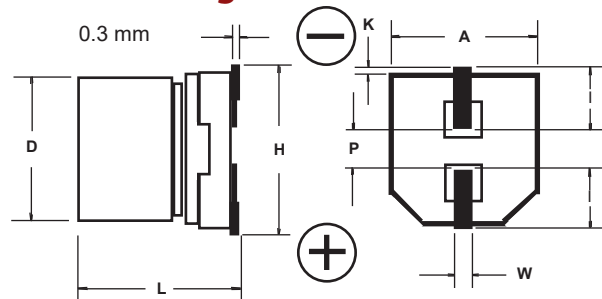
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|--|---|------------|-------------|-------|-------------|------|------|------|-------|------|-------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------|------|-----|-----|-----|-----|-----|-----|-----|-----|
| Capacitance 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 | | | | | | | | | | | | | | | | | | | | | | |

Regulatory Information

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-Fallog 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 |

*Denotes discontinued part

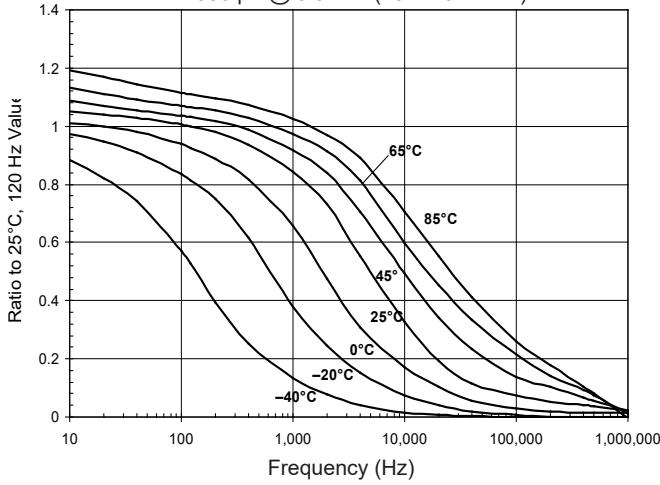
*Overall case height (L dimension) is 5.7 mm ±0.3 mm

Part Numbering System

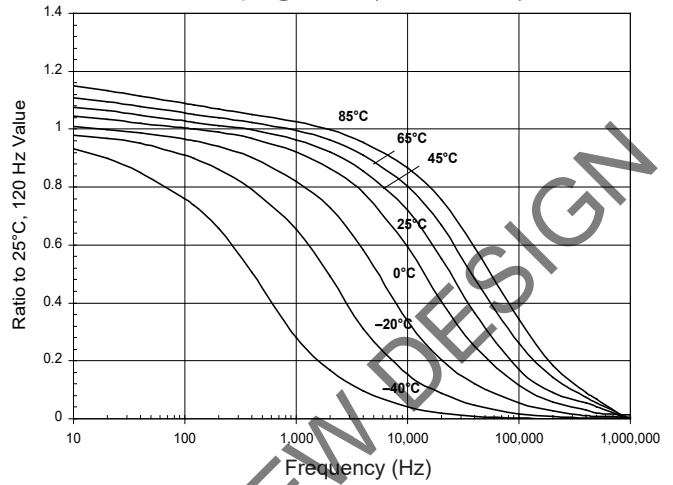
| | | | | | | |
|-------------|--|------------------------------|---|---|---|-----------------------|
| AVS | 106 | M | 16 | B | 12T | -F |
| | | | | | | |
| Type | Capacitance | Capacitance Tolerance | Voltage | Case Code | Packaging Information | RoHS Compliant |
| | 104 = 0.1 µF 105 = 1.0 µF 106 = 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 63 = 63 Vdc 2A = 100 Vdc | 12 = Carrier Tape Width (mm) T = Tape & Reel B = Bulk | |

Typical Performance Curves

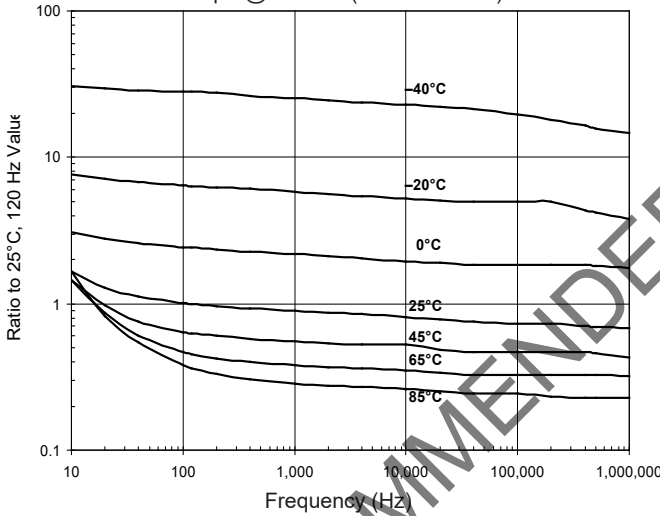
Capacitance vs. Temperature & Frequency
1500 μ F @ 6.3 Vdc (10 X 10.2 mm)



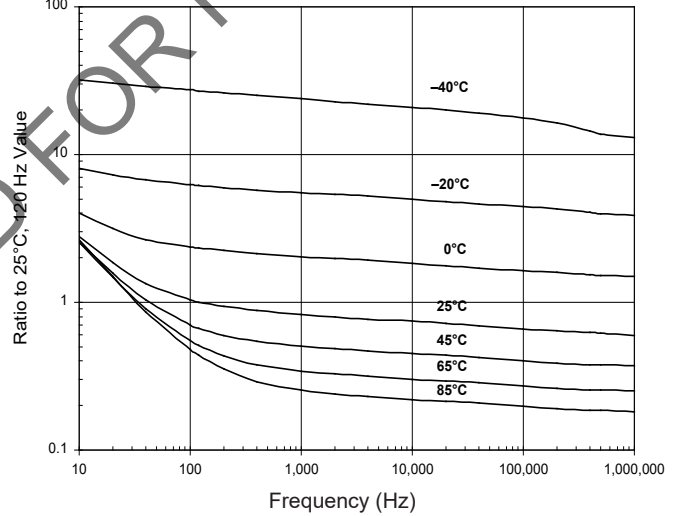
Capacitance vs. Temperature & Frequency
100 μ F @ 16 Vdc (10 X 10.2 mm)



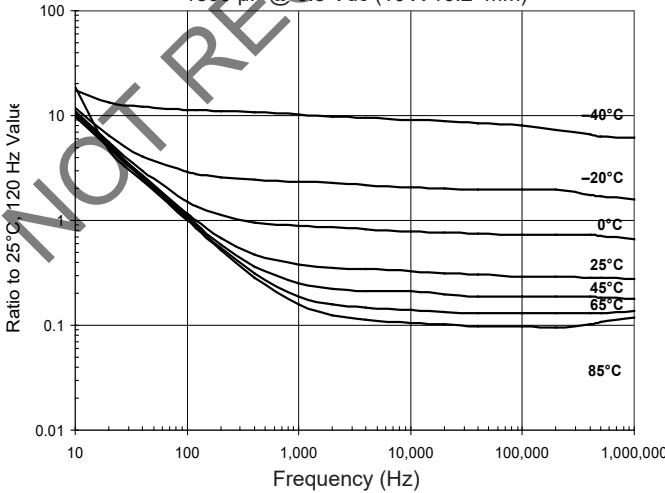
ESR vs. Temperature and Frequency
1500 μ F @ 6.3 Vdc (10 X 10.2 mm)



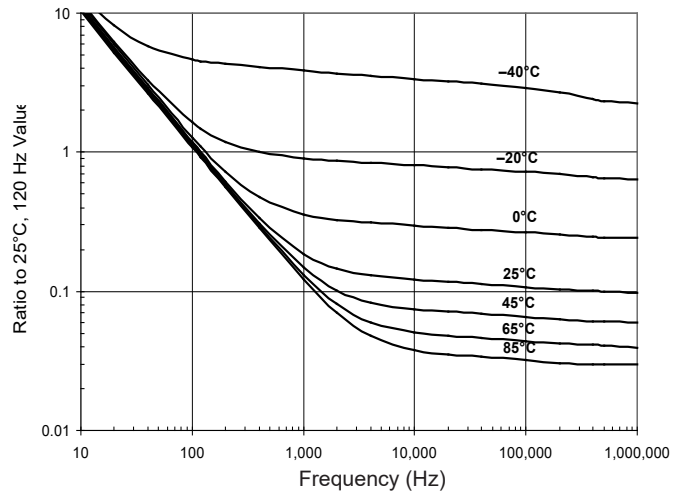
ESR vs. Temperature and Frequency
100 μ F @ 16 Vdc (10 X 10.2 mm)



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



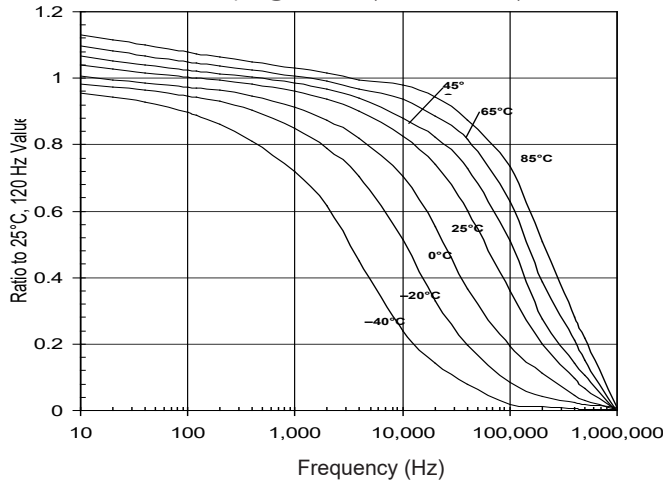
Impedance vs. Temperature and Frequency
100 μ F @ 16 Vdc (10 X 10.2 mm)



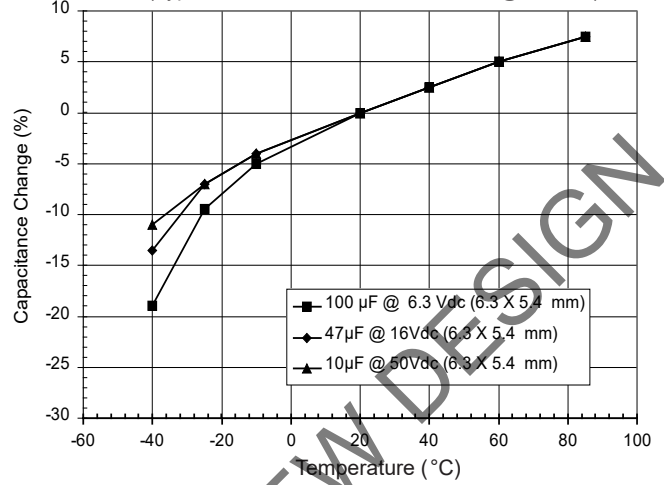
Type AVS

SMT Aluminum Electrolytic Capacitors - General Purpose, 85°C

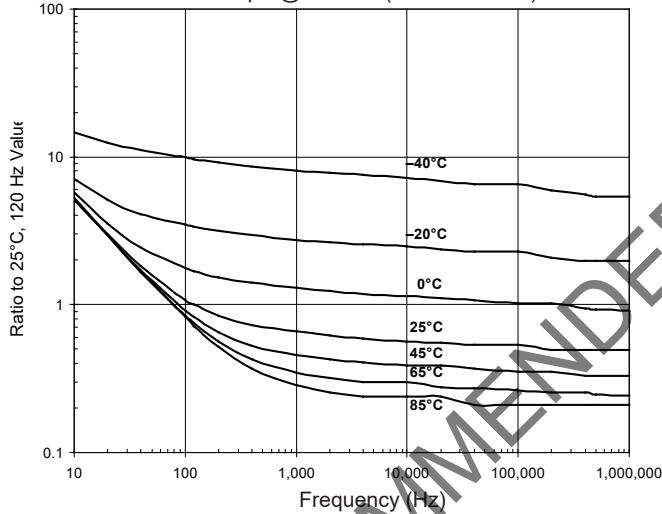
Capacitance vs. Temperature & Frequency
220 μF @ 50 Vdc (10 X 10.2 mm)



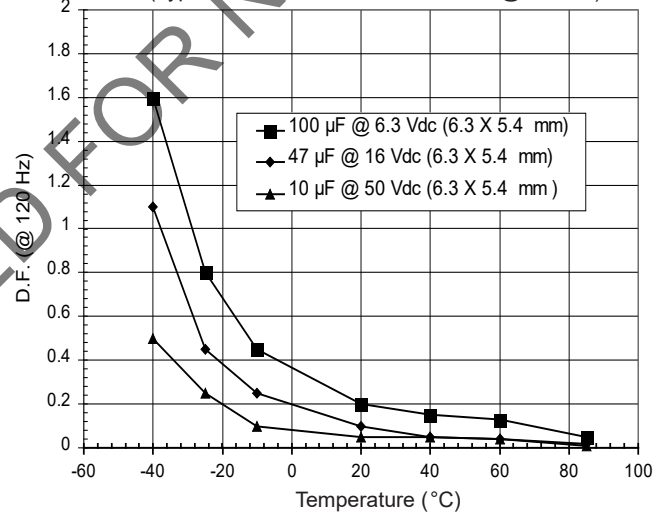
Capacitance Change with Temperature
(Typical Performance for AVS Series @ 120 Hz)



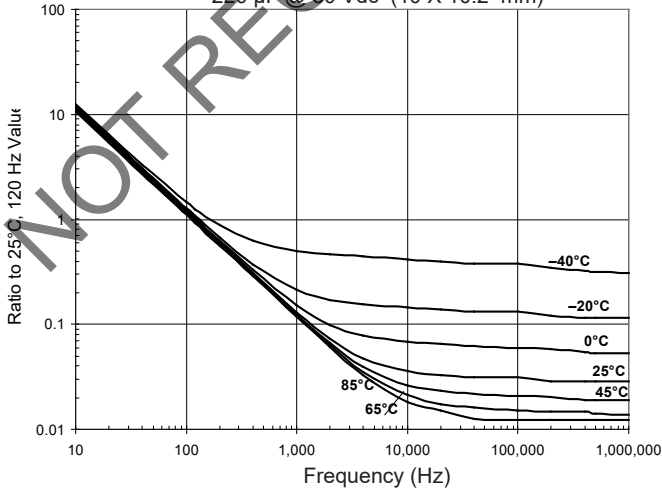
ESR vs. Temperature and Frequency
220 μF @ 50 Vdc (10 X 10.2 mm)



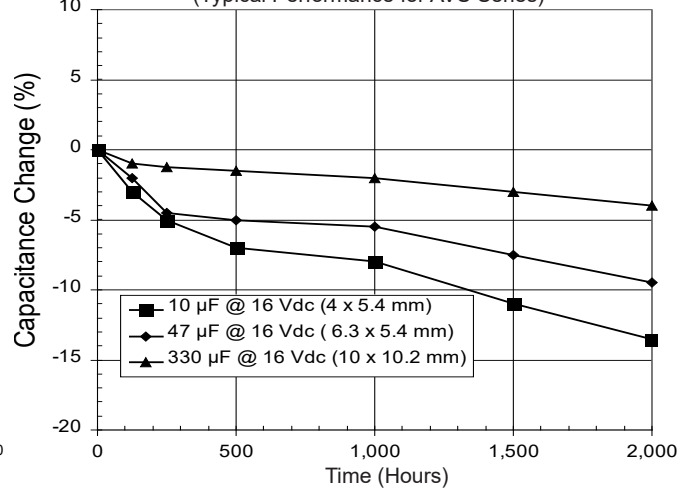
Dissipation Factor vs. Temperature
(Typical Performance for AVS Series @ 120 Hz)



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



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



Type AVS

SMT Aluminum Electrolytic Capacitors - General Purpose, 85°C

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