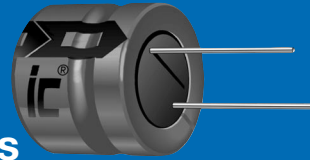


SVF

+85°C 5mm Height Low Profile Radial Lead Aluminum Electrolytic Capacitors



For all general purpose applications

FEATURES

- *Very small size*
 - *Capacitance range: 0.1 μ F to 330 μ F*
- *Voltage range: 4 WVDC to 50 WVDC*
 - *Solvent tolerant end seals standard*

SPECIFICATIONS

| | | | | | | | | | | | | | |
|-----------------------------------|---|---|-----|------|------|--|------------------|-----|-----|-----|--|--|--|
| Capacitance tolerance | | $\pm 20\%$ at 120Hz, 20°C | | | | | | | | | | | |
| Operating Temperature Range | | -40°C to +85°C | | | | | | | | | | | |
| Dissipation Factor 120Hz, 25°C | WVDC | 4 | 6.3 | 10 | 16 | 25 | 35 | 50 | | | | | |
| | $\tan \delta$ | .35 | .24 | .20 | .16 | .14 | .12 | .10 | | | | | |
| Impedance Ratio (Max.) @120Hz | WVDC | 4 | 6.3 | 10 | 16 | 25 | 35 | 50 | | | | | |
| | -25/20°C | 7 | 4 | 3 | 2 | 2 | 2 | 2 | | | | | |
| | -40/20°C | 15 | 8 | 6 | 4 | 4 | 3 | 3 | | | | | |
| Leakage current | WVDC | ≤ 50 WVDC | | | | | | | | | | | |
| | Time | 2 minutes | | | | | | | | | | | |
| | | .01 CV or 3 μ A whichever is greater | | | | | | | | | | | |
| Load Life | 1,000 hours at 85°C with rated WVDC | | | | | | | | | | | | |
| | Capacitance change Dissipation factor Leakage current | | | | | < 20% of initial measured values < 200% of initial specified value < Initial specified value | | | | | | | |
| Shelf Life | 1,000 hours at 85°C with no voltage applied. Units will meet load life specifications. | | | | | | | | | | | | |
| Ripple Current Multipliers | Frequency (Hz) | | | | | | Temperature (°C) | | | | | | |
| | 50 | 120 | 400 | 1K | 10K | 100K | +85 | +70 | +60 | +30 | | | |
| | 0.8 | 1.0 | 1.3 | 1.45 | 1.65 | 1.7 | 1.0 | 1.3 | 1.5 | 1.8 | | | |

SPECIAL ORDER OPTIONS

(See pages 33 thru 37)

- Special tolerances: $\pm 10\%$ (K), -10% + 30% (Q)
- Tape and Reel/Ammo-Pack
- Cut, Formed, Cut and Formed, and Snap In Leads



SVF

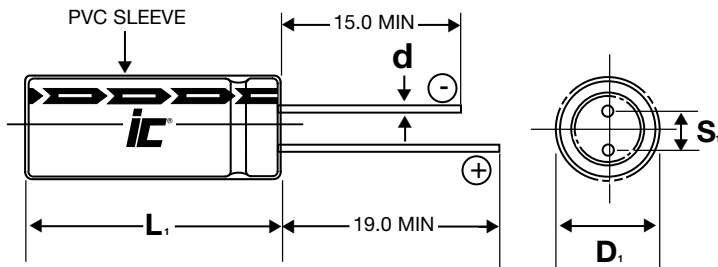
+ 85°C 5mm Height
Low Profile Radial
Lead Aluminum
Electrolytic Capacitors

PHYSICAL DIMENSIONS

| WVDC (SV) (μF) | 4 (5) | 6.3 (8) | 10 (13) | 16 (20) | 25 (32) | 35 (44) | 50 (63) |
|-------------------|-------|---------|---------|---------|---------|---------|------------|
| 0.1 | | | | | | | 4x5 |
| 0.15 | | | | | | | 4X5 |
| 0.22 | | | | | | | 4x5 |
| 0.33 | | | | | | | 4X5 |
| 0.47 | | | | | | | 4X5 |
| 1 | | | | | | | 4X5 |
| 2.2 | | | | | | | 4X5 |
| 3.3 | | | | | | | 4X5 |
| 4.7 | | | | | | | 4X5 |
| 6.8 | | | | | 4x5 | 5X5 | 6.3X5 |
| 10 | | | | | 4X5 | 5X5 | 6.3X5 |
| 15 | | | | | 5X5 | | 6.3X5 |
| 22 | | | 4X5 | | 5X5 | | 6.3X5, 8x5 |
| 33 | | | 4X5 | 5X5 | 6.3X5 | | 8X5 |
| 47 | 4X5 | | 5X5 | | 6.3X5 | 8X5 | |
| 68 | 5X5 | | | 6.3X5 | 8X5 | | |
| 100 | | | | 6.3X5 | 8X5 | | |
| 220 | 6.3X5 | | 8X5 | | | | |
| 330 | | 8X5 | | | | | |

Convert to inches, divide by 25.4

DxL (mm)



LEAD INFORMATION V.S. CASE DIAMETER

| D | 4 | 5 | 6.3 | 8 |
|---|-----|-----|-----|-----|
| S | 1.5 | 2.0 | 2.5 | 2.5 |
| d | .45 | .45 | .45 | .50 |

L₁= L+1mm Max.
S₁= S±.5mm
D₁= D+.5mm Max.

SVF

+ 85°C 5mm Height
Low Profile Radial
Lead Aluminum
Electrolytic Capacitors

STANDARD PART LISTING

| Capacitance (μ F) | WVDC | ic PART NUMBER | Maximum ESR Ω 120Hz,+20°C | Maximum RMS Ripple Current (mA) 120Hz,+85°C | Dimensions DxL (mm) |
|---------------------------|------|--------------------------|---|--|---------------------------|
| 0.1 | 50 | 104SVF050M | 1326.29 | 3 | 4x5 |
| 0.15 | 50 | 154SVF050M | 1105.24 | 4 | 4x5 |
| 0.22 | 50 | 224SVF050M | 602.860 | 4 | 4x5 |
| 0.33 | 50 | 334SVF050M | 401.910 | 5 | 4x5 |
| 0.47 | 50 | 474SVF050M | 282.190 | 6 | 4x5 |
| 1 | 50 | 105SVF050M | 132.629 | 9 | 4x5 |
| 2.2 | 50 | 225SVF050M | 60.290 | 14 | 4x5 |
| 3.3 | 50 | 335SVF050M | 40.190 | 17 | 4x5 |
| 4.7 | 50 | 475SVF050M | 28.220 | 20 | 4x5 |
| 6.8 | 25 | 685SVF025M | 34.133 | 21 | 4x5 |
| 6.8 | 35 | 685SVF035M | 29.256 | 26 | 5x5 |
| 6.8 | 50 | 685SVF050M | 24.380 | 4 | 6.3x5 |
| 10 | 25 | 106SVF025M | 23.210 | 25 | 4x5 |
| 10 | 35 | 106SVF035M | 19.894 | 31 | 5x5 |
| 10 | 50 | 106SVF050M | 13.260 | 39 | 6.3x5 |
| 15 | 25 | 156SVF025M | 15.473 | 35 | 5x5 |
| 15 | 50 | 156SVF050M | 11.050 | 48 | 6.3x5 |
| 22 | 10 | 226SVF010M | 15.072 | 31 | 4x5 |
| 22 | 25 | 226SVF025M | 10.550 | 43 | 5x5 |
| 22 | 50 | 226SVF050M | 7.536 | 60 | 6.3x5 |
| 22 | 50 | 226SVF050MD8 | 7.536 | 70 | 8x5 |
| 33 | 10 | 336SVF010M | 10.048 | 38 | 4x5 |
| 33 | 16 | 336SVF016M | 8.038 | 49 | 5x5 |
| 33 | 25 | 336SVF025M | 7.033 | 60 | 6.3x5 |
| 33 | 35 | 336SVF035M | 6.029 | 65 | 6.3x5 |
| 33 | 50 | 336SVF050M | 5.024 | 85 | 8x5 |
| 47 | 4 | 476SVF004M | 12.346 | 35 | 4x5 |
| 47 | 10 | 476SVF010M | 7.055 | 50 | 5x5 |
| 47 | 25 | 476SVF025M | 4.938 | 70 | 6.3x5 |
| 47 | 35 | 476SVF035M | 4.233 | 90 | 8x5 |
| 68 | 4 | 686SVF004M | 8.533 | 47 | 5x5 |
| 68 | 16 | 686SVF016M | 3.901 | 80 | 6.3x5 |
| 68 | 25 | 686SVF025M | 3.413 | 100 | 8x5 |
| 100 | 16 | 107SVF016M | 2.653 | 100 | 6.3X5 |
| 100 | 25 | 107SVF025M | 2.321 | 120 | 8X5 |
| 220 | 4 | 227SVF004M | 2.638 | 100 | 6.3X5 |
| 220 | 10 | 227SVF010M | 1.507 | 150 | 8X5 |
| 330 | 6.3 | 337SVF6R3M | 1.206 | 170 | 8X5 |



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