

Type SK 85 °C Radial Leaded Aluminum Electrolytic Capacitors

2000 Hour Long Life, General Purpose Aluminum Electrolytic



Specifications

| | |
|-------------------------------------|---|
| Capacitance Range: | 0.47 to 15,000 µF |
| Voltage Range: | 6.3 to 450 Vdc |
| Capacitance Tolerance: | ±20% |
| Operating Temperature Range: | -40 °C to +85 °C; 6.3 to 100 Vdc -25 °C to +85 °C; 160 to 450 Vdc |
| DC Leakage Current: | 6.3 to 100 Vdc; $I = \leq .01CV$ or 3 µA Max Whichever is greater after 2 minutes application of DC working voltage at 20 °C ≥100 Vdc; $I = \leq .03CV$ or 10 µA Max Whichever is greater after 2 minutes application of DC working voltage at 20 °C |

Highlights

- +85 °C
- 2000 hours - long life
- High CV
- Available in T&R and ammo pack

Dissipation Factor @ 120 Hz, +20 °C:

| WV (V) | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 100 | 160-250 | 350-450 |
|--------|-----|----|----|----|----|----|----|-----|---------|---------|
| DF(%) | 24 | 20 | 16 | 14 | 12 | 10 | 10 | 10 | 20 | 24 |

Ripple Multipliers for Voltage and Temperature:

For capacitance values > 1000 µF, the DF (%) value is increased 2% for every additional 1000 µF

| Rated WVDC | Ripple Multipliers | | |
|------------|--------------------|-------|------|
| | 60Hz | 120Hz | 1kHz |
| 6 to 25 | 0.85 | 1.0 | 1.1 |
| 35 to 100 | 0.75 | 1.0 | 1.3 |
| 160 to 250 | 0.70 | 1.0 | 1.4 |



Complies with the EU Directive 2002/95/EC requirement restricting the use of Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent chromium (Cr(VI)), PolyBrominated Biphenyls (PBB) and PolyBrominated Diphenyl Ethers (PBDE).

| Ambient Temperature | Ripple Multiplier |
|---------------------|-------------------|
| +85 °C | 1.00 |
| +75 °C | 1.14 |
| +65 °C | 1.25 |

Load Life:

Apply WVDC for 2000 hours at +85 °C
Capacitance change within 20% of initial limit
DF not to exceed 200% of initial requirement
Leakage current meets initial limits

Shelf Life:

1000 hrs at +85 °C with no voltage applied
Cap change within 20% of initial values
DF ≤ 200% of initial requirements
DC leakage current meets initial measured value

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Outline Drawing

Outline Dimensions (Millimeters)



Case vented on diameters 6.3 and greater

Vinyl sleeve adds .5 Max. to diameter and 2.0 Max. to length

Part Numbering System

| SK | 100 | M | 100 | S | T |
|------|--|------------------------------|------------------------------------|--|--|
| Type | Capacitance (μF) | Capacitance Tolerance (%) | Rated Voltage (Vdc) | Packaging | Lead Configuration |
| SK | 1R0 = 1 100 = 10 101 = 100 102 = 1000 | K = ± 10 M = ± 20 | 6R3 = 6.3 010 = 10 100 = 100 | A = Tape & Ammo E = Different Characteristic R = Tape & Reel S = Standard | 1 = Lead cut 2 = Lead form 4 = Lead crimp & cut (form) T = Standard |

Temperature Characteristics



Load Life Characteristics



Type SK 85 °C Radial Leaded Aluminum Electrolytic Capacitors

Ratings

| Cap (μ F) | Catalog Part Number | Max ESR 120 Hz +25 °C (Ω) | Max Ripple 120 Hz +85 °C (mA) | Size in. (mm) | | | |
|--------------------------------|------------------------|---|--|-----------------|---------------|-------------------|------------------|
| | | | | Diameter (D) | Length (L) | Lead Space (S) | Lead Dia. (d) |
| 6.3 Vdc (8 Volts Surge) | | | | | | | |
| 100 | SK101M6R3ST | 2.92 | 130 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 220 | SK221M6R3ST | 1.33 | 240 | .248 (6.3) | .433 (11.0) | .098 (2.5) | .0197 (0.5) |
| 330 | SK331M6R3ST | 0.88 | 300 | .248 (6.3) | .433 (11.0) | .098 (2.5) | .0197 (0.5) |
| 470 | SK471M6R3ST | 0.62 | 380 | .315 (8.0) | .453 (11.5) | .138 (3.5) | .0236 (0.6) |
| 1000 | SK102M6R3ST | 0.29 | 580 | .394 (10.0) | .512 (13.0) | .197 (5.0) | .0236 (0.6) |
| 2200 | SK222M6R3ST | 0.14 | 1050 | .394 (10.0) | .827 (21.0) | .197 (5.0) | .0236 (0.6) |
| 3300 | SK332M6R3ST | 0.10 | 1250 | .512 (13.0) | .827 (21.0) | .197 (5.0) | .0236 (0.6) |
| 4700 | SK472M6R3ST | 0.08 | 1700 | .512 (13.0) | .984 (26.0) | .197 (5.0) | .0236 (0.6) |
| 6800 | SK682M6R3ST | 0.07 | 1900 | .630 (16.0) | .984 (25.0) | .295 (7.5) | .0315 (0.8) |
| 10000 | SK103M6R3ST | 0.05 | 2250 | .630 (16.0) | 1.26 (32.0) | .295 (7.5) | .0315 (0.8) |
| 15000 | SK153M6R3ST | 0.04 | 2680 | .630 (16.0) | 1.38 (35.0) | .295 (7.5) | .0315 (0.8) |
| 10 Vdc (13 Volts Surge) | | | | | | | |
| 33 | SK330M010ST | 7.64 | 80 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 47 | SK470M010ST | 5.36 | 95 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 100 | SK101M010ST | 2.52 | 180 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 220 | SK221M010ST | 1.15 | 250 | .248 (6.3) | .433 (11.0) | .098 (2.5) | .0197 (0.5) |
| 330 | SK331M010ST | 0.76 | 330 | .315 (8.0) | .433 (11.0) | .138 (3.5) | .0236 (0.6) |
| 470 | SK471M010ST | 0.54 | 400 | .315 (8.0) | .433 (11.0) | .138 (3.5) | .0236 (0.6) |
| 1000 | SK102M010ST | 0.25 | 630 | .394 (10.0) | .630 (16.0) | .197 (5.0) | .0236 (0.6) |
| 2200 | SK222M010ST | 0.14 | 1100 | .394 (10.0) | .827 (21.0) | .197 (5.0) | .0236 (0.6) |
| 3300 | SK332M010ST | 0.10 | 1400 | .512 (13.0) | .827 (21.0) | .197 (5.0) | .0236 (0.6) |
| 4700 | SK472M010ST | 0.08 | 1800 | .630 (16.0) | .984 (25.0) | .295 (7.5) | .0315 (0.8) |
| 6800 | SK682M010ST | 0.07 | 2150 | .630 (16.0) | 1.26 (32.0) | .295 (7.5) | .0315 (0.8) |
| 10000 | SK103M010ST | 0.05 | 2500 | .709 (18.0) | 1.38 (35.0) | .295 (7.5) | .0315 (0.8) |
| 15000 | SK153M010ST | 0.04 | 2950 | .709 (18.0) | 1.65 (42.0) | .295 (7.5) | .0315 (0.8) |
| 16 Vdc (20 Volts Surge) | | | | | | | |
| 22 | SK220M016ST | 9.65 | 75 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 33 | SK330M016ST | 6.43 | 110 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 47 | SK470M016ST | 4.52 | 130 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 100 | SK101M016ST | 2.12 | 185 | .248 (6.3) | .433 (11.0) | .098 (2.5) | .0197 (0.5) |
| 220 | SK221M016ST | 0.97 | 320 | .315 (8.0) | .453 (11.5) | .138 (3.5) | .0236 (0.6) |
| 330 | SK331M016ST | 0.64 | 360 | .315 (8.0) | .453 (11.5) | .138 (3.5) | .0236 (0.6) |
| 470 | SK471M016ST | 0.45 | 470 | .394 (10.0) | .512 (13.0) | .197 (5.0) | .0236 (0.6) |
| 1000 | SK102M016ST | 0.21 | 790 | .394 (10.0) | .827 (21.0) | .197 (5.0) | .0236 (0.6) |
| 2200 | SK222M016ST | 0.14 | 1350 | .512 (13.0) | .827 (21.0) | .197 (5.0) | .0236 (0.6) |
| 3300 | SK332M016ST | 0.10 | 1700 | .512 (13.0) | .984 (26.0) | .197 (5.0) | .0236 (0.6) |
| 4700 | SK472M016ST | 0.08 | 2100 | .630 (16.0) | 1.26 (32.0) | .295 (7.5) | .0315 (0.8) |
| 6800 | SK682M016ST | 0.07 | 2500 | .709 (18.0) | 1.38 (35.0) | .295 (7.5) | .0315 (0.8) |
| 10000 | SK103M016ST | 0.05 | 2700 | .709 (18.0) | 1.65 (42.0) | .295 (7.5) | .0315 (0.8) |
| 25 Vdc (32 Volts Surge) | | | | | | | |
| 10 | SK100M025ST | 18.57 | 50 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 22 | SK220M025ST | 8.44 | 90 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 33 | SK330M025ST | 5.63 | 110 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 47 | SK470M025ST | 3.95 | 130 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 100 | SK101M025ST | 1.85 | 185 | .248 (6.3) | .433 (11.0) | .098 (2.5) | .0197 (0.5) |

Type SK 85 °C Radial Leaded Aluminum Electrolytic Capacitors

| Cap (μ F) | Catalog Part Number | Max ESR 120 Hz +25 °C (Ω) | Max Ripple 120 Hz +85 °C (mA) | Size in. (mm) | | | |
|--------------------------------|------------------------|---|--|-----------------|---------------|-------------------|------------------|
| | | | | Diameter (D) | Length (L) | Lead Space (S) | Lead Dia. (d) |
| 25 Vdc (32 Volts Surge) | | | | | | | |
| 220 | SK221M025ST | 0.84 | 320 | .315 (8.0) | .453 (11.5) | .138 (3.5) | .0236 (0.6) |
| 330 | SK331M025ST | 0.56 | 420 | .394 (10.0) | .512 (13.0) | .197 (5.0) | .0236 (0.6) |
| 470 | SK471M025ST | 0.39 | 540 | .394 (10.0) | .630 (16.0) | .197 (5.0) | .0236 (0.6) |
| 1,000 | SK102M025ST | 0.18 | 950 | .512 (13.0) | .827 (21.0) | .197 (5.0) | .0236 (0.6) |
| 2,200 | SK222M025ST | 0.14 | 1550 | .512 (13.0) | .984 (26.0) | .197 (5.0) | .0236 (0.6) |
| 3,300 | SK332M025ST | 0.10 | 1950 | .630 (16.0) | 1.26 (32.0) | .295 (7.5) | .0315 (0.8) |
| 4,700 | SK472M025ST | 0.08 | 2360 | .709 (18.0) | 1.38 (35.0) | .295 (7.5) | .0315 (0.8) |
| 6,800 | SK682M025ST | 0.06 | 2550 | .709 (18.0) | 1.65 (42.0) | .295 (7.5) | .0315 (0.8) |
| 35 Vdc (44 Volts Surge) | | | | | | | |
| 10 | SK100M035ST | 15.92 | 60 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 22 | SK220M035ST | 7.23 | 95 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 33 | SK330M035ST | 4.82 | 115 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 47 | SK470M035ST | 3.38 | 140 | .248 (6.3) | .433 (11.0) | .098 (2.5) | .0197 (0.5) |
| 100 | SK101M035ST | 1.59 | 230 | .315 (8.0) | .453 (11.5) | .138 (3.5) | .0236 (0.6) |
| 220 | SK221M035ST | 0.72 | 370 | .394 (10.0) | .512 (13.0) | .197 (5.0) | .0236 (0.6) |
| 330 | SK331M035ST | 0.48 | 490 | .394 (10.0) | .630 (16.0) | .197 (5.0) | .0236 (0.6) |
| 470 | SK471M035ST | 0.33 | 640 | .394 (10.0) | .827 (21.0) | .197 (5.0) | .0236 (0.6) |
| 1,000 | SK102M035ST | 0.15 | 1100 | .512 (13.0) | .827 (21.0) | .197 (5.0) | .0236 (0.6) |
| 2,200 | SK222M035ST | 0.14 | 1800 | .630 (16.0) | 1.26 (32.0) | .295 (7.5) | .0315 (0.8) |
| 3,300 | SK332M035ST | 0.10 | 2220 | .709 (18.0) | 1.38 (35.0) | .295 (7.5) | .0315 (0.8) |
| 4,700 | SK472M035ST | 0.08 | 2400 | .709 (18.0) | 1.65 (42.0) | .295 (7.5) | .0315 (0.8) |
| 50 Vdc (63 Volts Surge) | | | | | | | |
| 0.47 | SKR47M050ST | 282.33 | 5 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 1.0 | SK010M050ST | 132.70 | 10 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 2.2 | SK2R2M050ST | 60.32 | 23 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 3.3 | SK3R3M050ST | 40.21 | 35 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 4.7 | SK4R7M050ST | 28.23 | 40 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 10 | SK100M050ST | 13.27 | 65 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 22 | SK220M050ST | 6.03 | 100 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 33 | SK330M050ST | 4.02 | 125 | .248 (6.3) | .433 (11.0) | .098 (2.5) | .0197 (0.5) |
| 47 | SK470M050ST | 2.82 | 150 | .248 (6.3) | .433 (11.0) | .098 (2.5) | .0197 (0.5) |
| 100 | SK101M050ST | 1.33 | 250 | .315 (8.0) | .433 (11.0) | .138 (3.5) | .0236 (0.6) |
| 220 | SK221M050ST | 0.60 | 440 | .394 (10.0) | .630 (16.0) | .197 (5.0) | .0236 (0.6) |
| 330 | SK331M050ST | 0.40 | 580 | .394 (10.0) | .827 (21.0) | .197 (5.0) | .0236 (0.6) |
| 470 | SK471M050ST | 0.28 | 760 | .512 (13.0) | .827 (21.0) | .197 (5.0) | .0236 (0.6) |
| 1,000 | SK102M050ST | 0.13 | 1350 | .630 (16.0) | .984 (25.0) | .295 (7.5) | .0315 (0.8) |
| 2,200 | SK222M050ST | 0.14 | 2090 | .709 (18.0) | 1.38 (35.0) | .295 (7.5) | .0315 (0.8) |
| 3,300 | SK332M050ST | 0.10 | 2320 | .709 (18.0) | 1.65 (42.0) | .295 (7.5) | .0315 (0.8) |
| 63 Vdc (79 Volts Surge) | | | | | | | |
| 0.47 | SKR47M063ST | 254.10 | 5 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 1.0 | SK010M063ST | 119.43 | 10 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 2.2 | SK2R2M063ST | 54.28 | 29 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 3.3 | SK3R3M063ST | 36.19 | 40 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 4.7 | SK4R7M063ST | 25.41 | 45 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 10.0 | SK100M063ST | 11.94 | 70 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |

* Note max leakage current ≥ 100 Vdc is measured at 3 minutes

Type SK 85 °C Radial Leaded Aluminum Electrolytic Capacitors

| Cap (μ F) | Catalog Part Number | Max ESR 120 Hz +25 °C (Ω) | Max Ripple 120 Hz +85 °C (mA) | Size in. (mm) | | | |
|----------------------------------|------------------------|---|--|-----------------|---------------|-------------------|------------------|
| | | | | Diameter (D) | Length (L) | Lead Space (S) | Lead Dia. (d) |
| 63 Vdc (79 Volts Surge) | | | | | | | |
| 22 | SK220M063ST | 5.43 | 115 | .248 (6.3) | .433 (11.0) | .098 (2.5) | .0197 (0.5) |
| 33 | SK330M063ST | 3.62 | 140 | .248 (6.3) | .433 (11.0) | .098 (2.5) | .0197 (0.5) |
| 47 | SK470M063ST | 2.54 | 190 | .315 (8.0) | .433 (11.0) | .138 (3.5) | .0236 (0.6) |
| 100 | SK101M063ST | 1.19 | 300 | .394 (10.0) | .512 (13.0) | .197 (5.0) | .0236 (0.6) |
| 220 | SK221M063ST | 0.54 | 490 | .394 (10.0) | .827 (21.0) | .197 (5.0) | .0236 (0.6) |
| 330 | SK331M063ST | 0.36 | 680 | .512 (13.0) | .827 (21.0) | .197 (5.0) | .0236 (0.6) |
| 470 | SK471M063ST | 0.25 | 880 | .512 (13.0) | .984 (26.0) | .197 (5.0) | .0236 (0.6) |
| 1,000 | SK102M063ST | 0.12 | 1550 | .630 (16.0) | 1.26 (32.0) | .295 (7.5) | .0315 (0.8) |
| 100 Vdc (125 Volts Surge) | | | | | | | |
| 0.47 | SKR47M100ST | 225.87 | 10 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 1 | SK010M100ST | 106.16 | 21 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 2.2 | SK2R2M100ST | 48.25 | 30 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 3.3 | SK3R3M100ST | 32.17 | 40 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 4.7 | SK4R7M100ST | 22.59 | 50 | .197 (5.0) | .433 (11.0) | .079 (2.0) | .0197 (0.5) |
| 10 | SK100M100ST | 10.62 | 75 | .248 (6.3) | .433 (11.0) | .098 (2.5) | .0197 (0.5) |
| 22 | SK220M100ST | 4.83 | 130 | .315 (8.0) | .433 (11.0) | .138 (3.5) | .0236 (0.6) |
| 33 | SK330M100ST | 3.22 | 170 | .394 (10.0) | .512 (13.0) | .197 (5.0) | .0236 (0.6) |
| 47 | SK470M100ST | 2.26 | 230 | .394 (10.0) | .630 (16.0) | .197 (5.0) | .0236 (0.6) |
| 100 | SK101M100ST | 1.06 | 400 | .512 (13.0) | .827 (21.0) | .197 (5.0) | .0236 (0.6) |
| 220 | SK221M100ST | 0.48 | 710 | .630 (16.0) | .984 (25.0) | .295 (7.5) | .0315 (0.8) |
| 330 | SK331M100ST | 0.32 | 860 | .630 (16.0) | .984 (25.0) | .295 (7.5) | .0315 (0.8) |
| 470 | SK471M100ST | 0.23 | 1100 | .630 (16.0) | 1.26 (32.0) | .295 (7.5) | .0315 (0.8) |
| 160 Vdc (200 Volts Surge) | | | | | | | |
| 0.47 | SKR47M160ST | 423.50 | 12.0 | .248 (6.3) | .433 (11.0) | .098 (2.5) | .0197 (0.5) |
| 1.0 | SK010M160ST | 199.04 | 17.0 | .248 (6.3) | .433 (11.0) | .098 (2.5) | .0197 (0.5) |
| 2.2 | SK2R2M160ST | 90.47 | 26.0 | .248 (6.3) | .433 (11.0) | .098 (2.5) | .0197 (0.5) |
| 3.3 | SK3R3M160ST | 60.32 | 35.0 | .248 (6.3) | .433 (11.0) | .098 (2.5) | .0197 (0.5) |
| 4.7 | SK4R7M160ST | 42.35 | 40.0 | .248 (6.3) | .433 (11.0) | .098 (2.5) | .0197 (0.5) |
| 10 | SK100M160ST | 19.90 | 65.0 | .315 (8.0) | .433 (11.0) | .138 (3.5) | .0236 (0.6) |
| 22 | SK220M160ST | 9.05 | 110.0 | .394 (10.0) | .630 (16.0) | .197 (5.0) | .0236 (0.6) |
| 33 | SK330M160ST | 6.03 | 150.0 | .394 (10.0) | .827 (21.0) | .197 (5.0) | .0236 (0.6) |
| 47 | SK470M160ST | 4.23 | 180.0 | .512 (13.0) | .827 (21.0) | .197 (5.0) | .0236 (0.6) |
| 100 | SK101M160ST | 1.99 | 300.0 | .512 (13.0) | .984 (26.0) | .197 (5.0) | .0236 (0.6) |
| 220 | SK221M160ST | 0.90 | 510.0 | .630 (16.0) | 1.42 (36.0) | .295 (7.5) | .0315 (0.8) |
| 330 | SK331M160ST | 0.60 | 600.0 | .709 (18.0) | 1.65 (42.0) | .295 (7.5) | .0315 (0.8) |
| 200 Vdc (250 Volts Surge) | | | | | | | |
| 0.47 | SKR47M200ST | 423.50 | 12 | .248 (6.3) | .433 (11.0) | .098 (2.5) | .0197 (0.5) |
| 1.0 | SK010M200ST | 199.04 | 17 | .248 (6.3) | .433 (11.0) | .098 (2.5) | .0197 (0.5) |
| 2.2 | SK2R2M200ST | 90.47 | 26 | .248 (6.3) | .433 (11.0) | .098 (2.5) | .0197 (0.5) |
| 3.3 | SK3R3M200ST | 60.32 | 35 | .248 (6.3) | .433 (11.0) | .098 (2.5) | .0197 (0.5) |
| 4.7 | SK4R7M200ST | 42.35 | 45 | .315 (8.0) | .433 (11.0) | .138 (3.5) | .0236 (0.6) |
| 10 | SK100M200ST | 19.90 | 70 | .394 (10.0) | .512 (13.0) | .197 (5.0) | .0236 (0.6) |
| 22 | SK220M200ST | 9.05 | 110 | .394 (10.0) | .827 (21.0) | .197 (5.0) | .0236 (0.6) |
| 33 | SK330M200ST | 6.03 | 160 | .512 (13.0) | .827 (21.0) | .197 (5.0) | .0236 (0.6) |
| 47 | SK470M200ST | 4.23 | 180 | .512 (13.0) | .827 (21.0) | .197 (5.0) | .0236 (0.6) |

* Note max leakage current \geq 100 Vdc is measured at 3 minutes

Type SK 85 °C Radial Leaded Aluminum Electrolytic Capacitors

| Cap (μ F) | Catalog Part Number | Max ESR 120 Hz +25 °C (Ω) | Max Ripple 120 Hz +85 °C (mA) | Size in. (mm) | | | |
|----------------------------------|------------------------|---|--|-----------------|---------------|-------------------|------------------|
| | | | | Diameter (D) | Length (L) | Lead Space (S) | Lead Dia. (d) |
| 200 Vdc (250 Volts Surge) | | | | | | | |
| 100 | SK101M200ST | 1.99 | 330 | .630 (16.0) | .984 (25.0) | .295 (7.5) | .0315 (0.8) |
| 220 | SK221M200ST | 0.90 | 520 | .709 (18.0) | 1.65 (42.0) | .295 (7.5) | .0315 (0.8) |
| 250 Vdc (300 Volts Surge) | | | | | | | |
| 0.47 | SKR47M250ST | 423.50 | 12 | .248 (6.3) | .433 (11.0) | .098 (2.5) | .0197 (0.5) |
| 1.0 | SK010M250ST | 199.04 | 17 | .248 (6.3) | .433 (11.0) | .098 (2.5) | .0197 (0.5) |
| 2.2 | SK2R2M250ST | 90.47 | 30 | .248 (6.3) | .433 (11.0) | .098 (2.5) | .0197 (0.5) |
| 3.3 | SK3R3M250ST | 60.32 | 35 | .315 (8.0) | .433 (11.0) | .138 (3.5) | .0236 (0.6) |
| 4.7 | SK4R7M250ST | 42.35 | 45 | .315 (8.0) | .433 (11.0) | .138 (3.5) | .0236 (0.6) |
| 10 | SK100M250ST | 19.90 | 70 | .394 (10.0) | .630 (16.0) | .197 (5.0) | .0236 (0.6) |
| 22 | SK220M250ST | 9.05 | 130 | .512 (13.0) | .827 (21.0) | .197 (5.0) | .0236 (0.6) |
| 33 | SK330M250ST | 6.03 | 160 | .512 (13.0) | .827 (21.0) | .197 (5.0) | .0236 (0.6) |
| 47 | SK470M250ST | 4.23 | 210 | .512 (13.0) | .984 (26.0) | .197 (5.0) | .0236 (0.6) |
| 100 | SK101M250ST | 1.99 | 310 | .630 (16.0) | 1.26 (32.0) | .295 (7.5) | .0315 (0.8) |
| 350 Vdc (400 Volts Surge) | | | | | | | |
| 0.47 | SKR47M350ST | 564.67 | 14 | .315 (8.0) | .433 (11.0) | .138 (3.5) | .0236 (0.6) |
| 1.0 | SK010M350ST | 265.39 | 18 | .315 (8.0) | .433 (11.0) | .138 (3.5) | .0236 (0.6) |
| 2.2 | SK2R2M350ST | 120.63 | 28 | .315 (8.0) | .433 (11.0) | .138 (3.5) | .0236 (0.6) |
| 3.3 | SK3R3M350ST | 80.42 | 35 | .394 (10.0) | .512 (13.0) | .197 (5.0) | .0236 (0.6) |
| 4.7 | SK4R7M350ST | 56.47 | 40 | .394 (10.0) | .512 (13.0) | .197 (5.0) | .0236 (0.6) |
| 10 | SK100M350ST | 26.54 | 70 | .394 (10.0) | .827 (21.0) | .197 (5.0) | .0236 (0.6) |
| 22 | SK220M350ST | 12.06 | 110 | .512 (13.0) | .827 (21.0) | .197 (5.0) | .0236 (0.6) |
| 33 | SK330M350ST | 8.04 | 140 | .512 (13.0) | .984 (26.0) | .197 (5.0) | .0236 (0.6) |
| 47 | SK470M350ST | 5.65 | 220 | .630 (16.0) | .984 (25.0) | .295 (7.5) | .0315 (0.8) |
| 100 | SK101M350ST | 2.65 | 360 | .709 (18.0) | 1.42 (36.0) | .295 (7.5) | .0315 (0.8) |
| 400 Vdc (450 Volts Surge) | | | | | | | |
| 0.47 | SKR47M400ST | 564.67 | 14 | .315 (8.0) | .433 (11.0) | .138 (3.5) | .0236 (0.6) |
| 1.0 | SK010M400ST | 265.39 | 18 | .315 (8.0) | .433 (11.0) | .138 (3.5) | .0236 (0.6) |
| 2.2 | SK2R2M400ST | 120.63 | 28 | .315 (8.0) | .433 (11.0) | .138 (3.5) | .0236 (0.6) |
| 3.3 | SK3R3M400ST | 80.42 | 32 | .394 (10.0) | .512 (13.0) | .197 (5.0) | .0236 (0.6) |
| 4.7 | SK4R7M400ST | 56.47 | 41 | .394 (10.0) | .630 (16.0) | .197 (5.0) | .0236 (0.6) |
| 10 | SK100M400ST | 26.54 | 70 | .512 (13.0) | .827 (21.0) | .197 (5.0) | .0236 (0.6) |
| 22 | SK220M400ST | 12.06 | 120 | .512 (13.0) | .984 (26.0) | .197 (5.0) | .0236 (0.6) |
| 33 | SK330M400ST | 8.04 | 140 | .630 (16.0) | .984 (25.0) | .295 (7.5) | .0315 (0.8) |
| 47 | SK470M400ST | 5.65 | 160 | .630 (16.0) | 1.26 (32.0) | .295 (7.5) | .0315 (0.8) |
| 450 Vdc (500 Volts Surge) | | | | | | | |
| 0.47 | SKR47M450ST | 564.67 | 14 | .315 (8.0) | .433 (11.0) | .138 (3.5) | .0236 (0.6) |
| 1.0 | SK010M450ST | 265.39 | 19 | .315 (8.0) | .453 (11.5) | .138 (3.5) | .0236 (0.6) |
| 2.2 | SK2R2M450ST | 120.63 | 29 | .394 (10.0) | .512 (13.0) | .197 (5.0) | .0236 (0.6) |
| 3.3 | SK3R3M450ST | 80.42 | 35 | .394 (10.0) | .630 (16.0) | .197 (5.0) | .0236 (0.6) |
| 4.7 | SK4R7M450ST | 56.47 | 50 | .394 (10.0) | .709 (18.0) | .197 (5.0) | .0236 (0.6) |
| 10 | SK100M450ST | 26.54 | 75 | .512 (13.0) | .827 (21.0) | .197 (5.0) | .0236 (0.6) |
| 22 | SK220M450ST | 12.06 | 110 | .630 (16.0) | .984 (25.0) | .295 (7.5) | .0315 (0.8) |
| 33 | SK330M450ST | 8.04 | 150 | .630 (16.0) | 1.42 (36.0) | .295 (7.5) | .0315 (0.8) |
| 47 | SK470M450ST | 5.65 | 230 | .630 (16.0) | 1.57 (40.0) | .295 (7.5) | .0315 (0.8) |

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