

# Type SK 85 °C Radial Leaded Aluminum Electrolytic Capacitors

## 2000 Hour Long Life, General Purpose Aluminum Electrolytic



### Specifications

**Capacitance Range:**  
**Voltage Range:**  
**Capacitance Tolerance:**  
**Operating Temperature Range:**  
**DC Leakage Current:**

Type SK is a radial leaded aluminum electrolytic capacitor with a +85 °C, 2000 hour long life rating. The SK is a high CV rated product and is ideal for general purpose applications such as stereo radio, TV, computers and other consumer electronic products.

### Highlights

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

0.47 to 15,000 µF  
 6.3 to 450 Vdc  
 ±20%  
 -40 °C to +85 °C; 6.3 to 100 Vdc  
 -25 °C to +85 °C; 160 to 450 Vdc  
 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  
 $\geq 100$  Vdc;  $I = \leq .03CV$  or 10 µA Max  
 Whichever is greater after 2 minutes application of DC working voltage at 20 °C

C = Capacitance in (µF)

V = Rated voltage

I = Leakage current in µA

**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 ( $\mu\text{F}$ )                  | Capacitance Tolerance (%)    | Rated Voltage (Vdc)                | Packaging  | Lead Configuration   |
| SK   | 1R0 = 1<br>100 = 10<br>101 = 100<br>102 = 1000 | K = $\pm 10$<br>M = $\pm 20$ | 6R3 = 6.3<br>010 = 10<br>100 = 100 | A = Tape & Ammo<br>E = Different Characteristic<br>R = Tape & Reel<br>S = Standard | 1 = Lead cut<br>2 = Lead form<br>4 = Lead crimp & cut (form)<br>T = Standard |

## Temperature Characteristics



## Load Life Characteristics



# Type SK 85 °C Radial Leaded Aluminum Electrolytic Capacitors

## Ratings

| Cap<br>( $\mu$ F)              | Catalog<br>Part Number | Max ESR<br>120 Hz<br>+25 °C<br>( $\Omega$ ) | Max Ripple<br>120 Hz<br>+85 °C<br>(mA) | Size in. (mm)   |               |                   |                  |
|--------------------------------|------------------------|---|--|-----------------|---------------|-------------------|------------------|
|                                |                        |   |  | Diameter<br>(D) | Length<br>(L) | Lead Space<br>(S) | Lead Dia.<br>(d) |
| <b>6.3 Vdc (8 Volts Surge)</b> |                        |   |  |                 |               |                   |                  |
| 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)      |
| <b>10 Vdc (13 Volts Surge)</b> |                        |   |  |                 |               |                   |                  |
| 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)      |
| <b>16 Vdc (20 Volts Surge)</b> |                        |   |  |                 |               |                   |                  |
| 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)      |
| <b>25 Vdc (32 Volts Surge)</b> |                        |   |  |                 |               |                   |                  |
| 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<br>( $\mu$ F)              | Catalog<br>Part Number | Max ESR<br>120 Hz<br>+25 °C<br>( $\Omega$ ) | Max Ripple<br>120 Hz<br>+85 °C<br>(mA) | Size in. (mm)   |               |                   |                  |
|--------------------------------|------------------------|---|--|-----------------|---------------|-------------------|------------------|
|                                |                        |   |  | Diameter<br>(D) | Length<br>(L) | Lead Space<br>(S) | Lead Dia.<br>(d) |
| <b>25 Vdc (32 Volts Surge)</b> |                        |   |  |                 |               |                   |                  |
| 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)      |
| <b>35 Vdc (44 Volts Surge)</b> |                        |   |  |                 |               |                   |                  |
| 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)      |
| <b>50 Vdc (63 Volts Surge)</b> |                        |   |  |                 |               |                   |                  |
| 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)      |
| <b>63 Vdc (79 Volts Surge)</b> |                        |   |  |                 |               |                   |                  |
| 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  $\geq 100$  Vdc is measured at 3 minutes

# Type SK 85 °C Radial Leaded Aluminum Electrolytic Capacitors

| Cap<br>( $\mu$ F)                | Catalog<br>Part Number | Max ESR                          | Max Ripple               | Size in. (mm)   |               |                   |                  |
|----------------------------------|------------------------|----------------------------------|--------------------------|-----------------|---------------|-------------------|------------------|
|                                  |                        | 120 Hz<br>+25 °C<br>( $\Omega$ ) | 120 Hz<br>+85 °C<br>(mA) | Diameter<br>(D) | Length<br>(L) | Lead Space<br>(S) | Lead Dia.<br>(d) |
| <b>63 Vdc (79 Volts Surge)</b>   |                        |                                  |                          |                 |               |                   |                  |
| 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)      |
| <b>100 Vdc (125 Volts Surge)</b> |                        |                                  |                          |                 |               |                   |                  |
| 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)      |
| <b>160 Vdc (200 Volts Surge)</b> |                        |                                  |                          |                 |               |                   |                  |
| 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)      |
| <b>200 Vdc (250 Volts Surge)</b> |                        |                                  |                          |                 |               |                   |                  |
| 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<br>( $\mu$ F)                | Catalog<br>Part Number | Max ESR<br>120 Hz<br>+25 °C<br>( $\Omega$ ) | Max Ripple<br>120 Hz<br>+85 °C<br>(mA) | Size in. (mm)   |               |                   |                  |
|----------------------------------|------------------------|---|--|-----------------|---------------|-------------------|------------------|
|                                  |                        |   |  | Diameter<br>(D) | Length<br>(L) | Lead Space<br>(S) | Lead Dia.<br>(d) |
| <b>200 Vdc (250 Volts Surge)</b> |                        |   |  |                 |               |                   |                  |
| 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)      |
| <b>250 Vdc (300 Volts Surge)</b> |                        |   |  |                 |               |                   |                  |
| 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)      |
| <b>350 Vdc (400 Volts Surge)</b> |                        |   |  |                 |               |                   |                  |
| 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)      |
| <b>400 Vdc (450 Volts Surge)</b> |                        |   |  |                 |               |                   |                  |
| 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)      |
| <b>450 Vdc (500 Volts Surge)</b> |                        |   |  |                 |               |                   |                  |
| 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)      |

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
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- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
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- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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