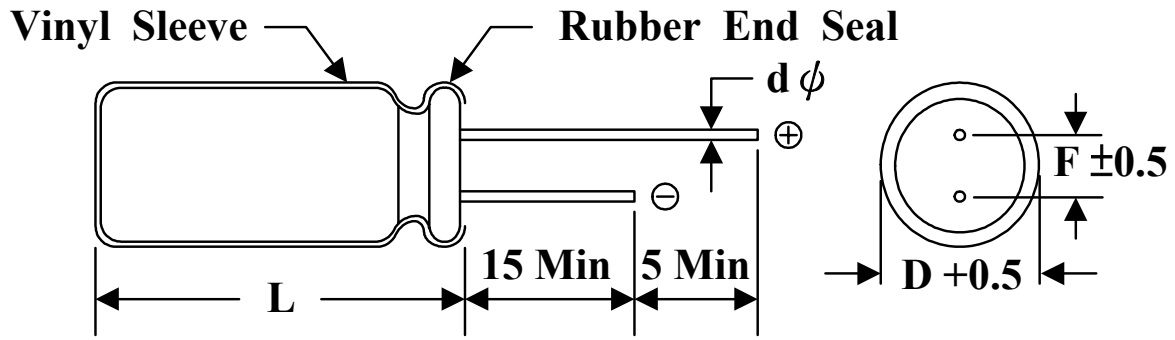
SK Type

+85ºC Single-ended lead aluminum electrolytic capacitors for the rated voltage up to 450V

Moderate cost, rugged construction and reliable operation are important feature of improved SK TYPE capacitors. Substantially smaller sizes are reliable. A new electrolyte system is used to produce an extended operating temperature range for the rated voltage up to 450V, and in addition , a wider range of capacitance-voltage ratings is provided through the addition of 22mm diameter case sizes.

Diagram of Dimensions (Unit = mm)



L≦12 L+1.5max
13≦L≦15 $L^{+1.0}_{-0.5}$
L≧16 L+2.0max

D φ	5.0	6.0	8.0	10.0	12.0	13.0	16.0	18.0	22.0
F	2.0	2.5	3.5	5.0			7.5		10.0
d φ	0.5		0.6				0.8		0.8

PERFORMANCE CHARACTERISTICS

Feature

. Working voltage range	: 6.3 to 100V	!	160 to 450V	
. Operating temp. range	: -40 to 85ºC	!	-25 to +85ºC	
. Rate capacitance range	: 0.1 to 22000uF	!	0.47 to 470uF	
. Capacitance tolerance	: -20 to +20%	!	-20 to +20%	(@ 20ºC)
. DC leakage current (uA)	: 0.01CV or 3uA	!	0.03CV+10 uA	(@ 20ºC)

(Measurements shall be made after a 2 minute charge at rated working voltage)

. Dissipation factor : at 120 Hz, 20ºC

WV(V)	6.3	10	16	25	35	50	63	100	160-250	350-450
DF(%)	22	19	16	14	12	10	9	8	15	20

For capacitor whose capacitance exceeds 1000 uF, the value of DF(%) is increased by 2% for every addition of 1000 uF.

. Load Life (2000hrs ,at rated temperature ,85ºC)
Capacitance change ..... : within 20% of initial value
Dissipation factor ..... : not exceed 200% of specified value
Leakage current ..... : not exceed the specified value

. Shelf Life (1000 hrs, no voltage applied, 85ºC)
Capacitance change ..... : within 20% of initial value
Dissipation factor ..... : not exceed 200% of specified value
Leakage current ..... : not exceed the of specified value

Catalog Numbering

SK 016 M 1000 A 5 S- 1015

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: : : : : : : : :…Case size
: : : : : : : :…Lead cut
: : : : : : : …Rubber
: : : : : : …Pitch
: : : : : …Package Code
: : : : …Capacitance. This expressed in microfarads
: : : …Capacitance tolerance
: : …DC voltage rating. This is expressed in volt.
:…YAGEO type number. This identifies the basic capacitor design

PERFORMANCE CHARACTERISTICS(continued)

1. General Characteristics.

1.1 Marking.

Capacitors shall be marked with TEAPO mark ; rated capacitance ; rated DC working voltage range. and the date code of manufacture. The cathode lead will be identified with minus signs (-) on the side of the case.

1.2 Operating Temperature Range.

These capacitors are designed to operate over a temperature range of -40ºC to +85ºC, for the rated voltage up to 100 V, while 160V to 450V operating temperature range within -25ºC to +85ºC.

1.2.1 At -40(-25)ºC, capacitors shall retain at least 70% of their original 20ºC measured capacitance. At +85ºC. capacitance shall increases to no more than 120% of their original 20ºC measured capacitance.

1.2.2 At -40(-25) ºC, impedance shall increase to no more than the following table.

TEMPERATURE CHARACTERISTIC (@ 120Hz)

Working Voltage (WV)	6.3	10	16	25	35-100	160-250	315-350	400-450
Impedance Z-25ºC/ Z+20ºC	8	6	5	3	3	7	10	15
Impedance Z-40ºC/ Z+20ºC	10	8	6	4	3	-	-	-

1.3 Vent Test (applies only to those capacitors with vents.)

During and after the applicable test below (1.3.1 or 1.3.2.) there shall be no explosion, flash, flame or expulsion of particles of the core or container. In addition, the case shall not be expelled from the core. If the capacitor under test is a multisection unit, this test shall apply to the input section only.

1.3.1 AC Test. Capacitors with DC Rating Over 100 Volts

The capacitor under test shall be connected to a 120 volt RMS 60Hz, 100 ampere service through a 30 ampere thermal breaker and a 0.5 ohm, low inductance, series resistor. The capacitor shall be connected to this circuit for 5 minutes after the initial setting of the breaker or until the breaker has opened 3 times. lf the breaker opens, it shall be reset not sooner than 30 seconds nor longer than 60 seconds from the time it opened.

1.3.2 DC Test. Capacitors with DC Rating 100 Volts or Less

Both of the following tests shall be performed, but on separate test units.

1.3.2.1 Forward Bias Test.

The capacitor under test shall be connected to a DC power supply that has sufficient voltage to supply a constant direct current of 500 milliamperes with the positive terminal of the capacitor connected to the positive supply terminal and the negative capacitor terminal connected to the negative supply terminal. The constant current shall be maintained until (1) the capacitor vents, (2) 300 seconds have elapsed, or (3) the capacitor under test open circuits.

PERFORMANCE CHARACTERISTICS(continued)

1.3.2.2 Reverse Bias Test.

The capacitor under test shall be connected to a power supply with sufficient voltage to provide a constant direct current of 500 milliamperes when the positive capacitor terminal is connected to the negative supply terminal and the negative capacitor terminal to the positive supply terminal. The constant current shall be maintained until (1) the capacitor vents, (2)300 seconds have elapsed, or (3) The capacitor open circuits.

2. Mechanical Characteristics

2.1 Lead Pull test.

Capacitor leads shall withstand a steady pull of 1 Kg applied axially to the leads for 5 seconds.

3. Electrical Characteristics

3.1 Standard Test Conditions

Unless otherwise specified all tests shall be performed at, or referred to, an ambient temperature of 25ºC and a relative humidity not greater than 50%.

3.2 Capacitance and Dissipation Factor

Measurements shall be made on a capacitance bridge capable of +-2% accuracy on capacitance and dissipation factor measurements. Measurements shall be made at 120 Hz The RMS value of the AC measuring voltage shall not exceed 1.0 volt.

3.3 Leakage Current.

3.3.1 Pre-conditioning. Rated working voltage shall be applied to capacitors for a minimum period of 15 minutes duration at least 24 hours and not more than 48 hours before test.

3.3.2 Test. Measurements shall be made after a 5 minute charge at rated working voltage at 20ºC with an application of a steady source of power. Such as a regular power supply, with a 1000 ohm resistance to limit the charging current, connected in series with each capacitor under test.

3.4 Surge Voltage

The surge DC rating is the maximum voltage to which the capacitor should be subjected under any conditions. This includes transients and peak ripple at the highest line voltage.

3.4.1 Capacitors, connected in series with 1000 ohm resistors, shall withstand the surge test voltage applied at the rated of 1/2 minute on, 5 1/2 minutes off, for 1000 successive test cycles at 20ºC.(see the following table)

Rated Voltage	6.3	10	16	25	35	50	63	80	100	160	200	250	350	400	450
Surge Voltage	8	13	20	32	44	63	79	100	125	200	250	300	400	450	500

PERFORMANCE CHARACTERISTICS(continued)

3.5 Humidity Test

Capacitors shall be subjected to a temperature of 40 +-2ºC at a relative humidity of 90-95% for a period of 96 hours, then air dried for 1 hour. Following this conditioning, capacitors shall meet the specified requirements for dissipation factor and DC leakage current, and the capacitance value shall not change more than 10%.

4. Life And Reliability Test

4.1 Life Test.

4.1.1 Rated voltage shall be applied to the capacitors for a period of 2000 hours at ambient temperature of +85ºC .

4.1.2 Capacitors shall then be removed from the test chamber and return to room temperature.

4.1.3 The capacitance shall then be measured in accordance with section 3.2 It shall not decrease to less than 80% of the capacitance at 20ºC, measured prior to the test, nor shall it increase to more than 120% of the original 20ºC value.

4.1.4 The dissipation factor shall be measured in accordance with section 3.2 The dissipation factor shall not exceed 200% of the specified value.

4.1.5 At the conclusion of the test, the leakage current shall not exceed the initial DC leakage current requirement. Measurements shall be made in accordance with section 3.3

4.2 Shelf Test.

After storage for 1000 hours at 85ºC with no voltage applied, the capacitance shall not decrease to less than 80% of the capacitance at 20ºC and dissipation factor shall meet the specified values of section 4.1.4; the DC leakage current measured in accordance with section 3.3, shall not exceed 200% of the specified value for the capacitor.

GUIDE TO APPLICATION

1. Maximum Ripple Current

1.1 Maximum rms. ripple current at 85ºC 120 Hz is given in the table 1.

1.2 When capacitors are operated at temperatures other than 85ºC, and frequency other than 120 Hz, the maximum rms. ripple currents must be multiplied by the factors shown in below table.

COMPENSATION FACTOR OF RIPPLE CURRENT VERSUS FREQUENCY

. WV\Frequency	50	120	300	1K	10K~100K (Hz)
6.3 ~ 100V Below - 68 μF	0.75	1	1.20	1.30	1.45
6.3 ~ 100V 69 -680 μF	0.80	1	1.10	1.15	1.25
6.3 ~ 100V 681 - 22000 μF	0.80	1	1.05	1.10	1.15
160 ~ 450V Below~220 μF	0.80	1	1.25	1.40	1.40
160 ~ 450V 220 μF Above	0.80	1	1.10	1.13	1.13

2. Ripple voltage

Ripple voltage must not exceed the following:

The sum of the DC voltage plus the AC ripple voltage must not exceed the rated DC voltage. The DC voltage plus the peak AC voltage must not cause a voltage reversal more than 1.5 volts.

3. Insulating

General types of aluminum electrolytic capacitors are covered with a vinyl sleeve or the like. And this sleeve is used for marking. When the internal element or the container is needed to be insulated, capacitors specially designed for insulation requirement are recommended to be used.

4. Soldering

4-1 When soldering a printed circuit board with various components, too high soldering temperature or too long dipping times may cause secondary shrinking of the sleeve which unnecessarily exposes the container. Soldering is allowed to performed at less than 260ºC for less than 10 seconds.

4-2 Soldering may melt or break the sleeve, if the sleeve is contacted with circuit patterns. To avoid this trouble, the capacitors are recommended to be slightly apart from the circuit boards.

GUIDE TO APPLICATION (continued)

5. Vent

The capacitors are provided with a pressure resistive controlled safety vent formed on the bottom of the container. The vent is designed to rupture in the event that higher internal pressure is developed by circuit malfunction or capacitor miss-use.

6. High Altitude

These capacitors are capable of withstanding in transit conditions where storage temperature may range from -40ºC to +85ºC and the altitude may reach 200,000 feet.

7. Cleaning agents.

Halogenated hydrocarbon cleaning solvents are not recommended for use in cleaning capacitors supplied with exposed end seals. Where cleaning with a halogenated solvent is desired, capacitors should be ordered with a Epoxy-coated end seal.

8. Others

(1) All Yageo capacitors comply to RoHS(Restriction of Hazardous Substances) requirements where Chromium (Cr+6),Cadmium(Cd), Mercury(Hg), Lead (pb), Polybrominated biphenyls(PBBs)and Polybrominated biphenyl/diphenyl ethers (PBBEs/PBDEs) have not been detected [lower than MDL (Method Detection Limit)] per SGS certification test report.

(2) Satisfied characteristic JIS C 5101

(3) Aluminum Electrolytic Capacitors may be damaged by corrosion which is caused by any halogenated hydrocarbon solvents. Please let us know in advance the solvent name and conditions for your PCB cleaning.

Table 1-1 SK Type, Standard Ratings and Catalog Number (Life: 85ºC,2000Hr.)

Catalog Number	Capa-citance (μF)	Rated Voltage (V.DC)	Size (mm) D X L	Leakage Current (μA)	Dissipation Factor (Tan δ)	Ripple 85ºC 120 Hz (mA)
SK006M0022B2F-0511	22	6.3	5X11	3	0.22	35
SK006M0022A2F-0511	22	6.3	5X11	3	0.22	35
SK006M0022AZF-0511	22	6.3	5X11	3	0.22	35
SK006M0022A5F-0511	22	6.3	5X11	3	0.22	35
SK006M0033B2F-0511	33	6.3	5X11	3	0.22	55
SK006M0033A2F-0511	33	6.3	5X11	3	0.22	55
SK006M0033AZF-0511	33	6.3	5X11	3	0.22	55
SK006M0033A5F-0511	33	6.3	5X11	3	0.22	55
SK006M0047B2F-0511	47	6.3	5X11	3	0.22	75
SK006M0047A2F-0511	47	6.3	5X11	3	0.22	75
SK006M0047AZF-0511	47	6.3	5X11	3	0.22	75
SK006M0047A5F-0511	47	6.3	5X11	3	0.22	75
SK006M0100B2F-0511	100	6.3	5X11	6	0.22	130
SK006M0100A2F-0511	100	6.3	5X11	6	0.22	130
SK006M0100AZF-0511	100	6.3	5X11	6	0.22	130
SK006M0100A5F-0511	100	6.3	5X11	6	0.22	130
SK006M0220B2F-0511	220	6.3	5X11	14	0.22	200
SK006M0220A2F-0511	220	6.3	5X11	14	0.22	200
SK006M0220AZF-0511	220	6.3	5X11	14	0.22	200
SK006M0220A5F-0511	220	6.3	5X11	14	0.22	200
SK006M0220BZF-0611	220	6.3	6.3X11	14	0.22	240
SK006M0220AZF-0611	220	6.3	6.3X11	14	0.22	240
SK006M0220A5F-0611	220	6.3	6.3X11	14	0.22	240
SK006M0330BZF-0611	330	6.3	6.3X11	21	0.22	260
SK006M0330AZF-0611	330	6.3	6.3X11	21	0.22	260
SK006M0330A5F-0611	330	6.3	6.3X11	21	0.22	260
SK006M0330B3F-0811	330	6.3	8X11	21	0.22	300
SK006M0330A3F-0811	330	6.3	8X11	21	0.22	300
SK006M0330A5F-0811	330	6.3	8X11	21	0.22	300
SK006M0470BZF-0611	470	6.3	6.3X11	30	0.22	330
SK006M0470AZF-0611	470	6.3	6.3X11	30	0.22	330
SK006M0470A5F-0611	470	6.3	6.3X11	30	0.22	330
SK006M0470B3F-0811	470	6.3	8X11	30	0.22	380
SK006M0470A3F-0811	470	6.3	8X11	30	0.22	380
SK006M0470A5F-0811	470	6.3	8X11	30	0.22	380
SK006M0680B3F-0811	680	6.3	8X11	43	0.22	410
SK006M0680A3F-0811	680	6.3	8X11	43	0.22	410
SK006M0680A5F-0811	680	6.3	8X11	43	0.22	410
SK006M1000B3F-0811	1000	6.3	8X11	63	0.22	460
SK006M1000A3F-0811	1000	6.3	8X11	63	0.22	460
SK006M1000A5F-0811	1000	6.3	8X11	63	0.22	460
SK006M1000B5S-1012	1000	6.3	10X12	63	0.22	580
SK006M1000A5S-1012	1000	6.3	10X12	63	0.22	580
SK006M1200B5S-1012	1200	6.3	10X12	75.6	0.22	620

Table 1-2 SK Type, Standard Ratings and Catalog Number (Life: 85ºC,2000Hr.)

Catalog Number	Capa-citance (μF)	Rated Voltage (V.DC)	Size (mm) D X L	Leakage Current (μA)	Dissipation Factor (Tan δ)	Ripple 85ºC 120 Hz (mA)
SK006M1200A5S-1012	1200	6.3	10X12	75.6	0.22	620
SK006M2200B5S-1019	2200	6.3	10X19.5	139	0.24	840
SK006M2200A5S-1019	2200	6.3	10X19.5	139	0.24	840
SL006M2200B5S-1320	2200	6.3	13X20	139	0.24	1050
SK006M2200A5S-1320	2200	6.3	13X20	139	0.24	1050
SK006M3300B5S-1019	3300	6.3	10X19.5	208	0.26	1000
SK006M3300A5S-1019	3300	6.3	10X19.5	208	0.26	1000
SK006M3300B5S-1320	3300	6.3	13X20	208	0.26	1250
SK006M3300A5S-1320	3300	6.3	13X20	208	0.26	1250
SK006M4700B5S-1320	4700	6.3	13X20	296	0.28	1300
SK006M4700A5S-1320	4700	6.3	13X20	296	0.28	1300
SK006M4700B5S-1325	4700	6.3	13X25	296	0.28	1437
SK006M4700A5S-1325	4700	6.3	13X25	296	0.28	1437
SK006M4700B7F-1625	4700	6.3	16X25	296	0.28	1700
SK006M4700A7F-1625	4700	6.3	16X25	296	0.28	1700
SK006M6800B7F-1625	6800	6.3	16X25	428	0.32	1900
SK006M6800A7F-1625	6800	6.3	16X25	428	0.32	1900
SK006M10K0B7F-1625	10000	6.3	16X25	630	0.40	1900
SK006M10K0A7F-1625	10000	6.3	16X25	630	0.40	1900
SK006M10K0B7F-1632	10000	6.3	16X32	630	0.40	2250
SK006M15K0B7F-1636	15000	6.3	16X36	945	0.50	2500
SK006M15K0B7F-1836	15000	6.3	18X36	945	0.50	2880
SK006M22K0B7F-1840	22000	6.3	18X40	1386	0.64	3650
SK010M4R70B2F-0511	4.7	10	5X11	3	0.19	20
SK010M4R70A2F-0511	4.7	10	5X11	3	0.19	20
SK010M4R70AZF-0511	4.7	10	5X11	3	0.19	20
SK010M4R70A5F-0511	4.7	10	5X11	3	0.19	20
SK010M0010B2F-0511	10	10	5X11	3	0.19	35
SK010M0010A2F-0511	10	10	5X11	3	0.19	35
SK010M0010AZF-0511	10	10	5X11	3	0.19	35
SK010M0010A5F-0511	10	10	5X11	3	0.19	35
SK010M0022B2F-0511	22	10	5X11	3	0.19	55
SK010M0022A2F-0511	22	10	5X11	3	0.19	55
SK010M0022AZF-0511	22	10	5X11	3	0.19	55
SK010M0022A5F-0511	22	10	5X11	3	0.19	55
SK010M0033B2F-0511	33	10	5X11	3	0.19	80
SK010M0033A2F-0511	33	10	5X11	3	0.19	80
SK010M0033AZF-0511	33	10	5X11	3	0.19	80
SK010M0033A5F-0511	33	10	5X11	3	0.19	80
SK010M0047B2F-0511	47	10	5X11	5	0.19	95
SK010M0047A2F-0511	47	10	5X11	5	0.19	95
SK010M0047AZF-0511	47	10	5X11	5	0.19	95
SK010M0047A5F-0511	47	10	5X11	5	0.19	95
SK010M0100B2F-0511	100	10	5X11	10	0.19	180

Table 1-3 SK Type, Standard Ratings and Catalog Number (Life: 85ºC,2000Hr.)

Catalog Number	Capa-citance (μF)	Rated Voltage (V.DC)	Size (mm) D X L	Leakage Current (μA)	Dissipation Factor (Tan δ)	Ripple 85ºC 120 Hz (mA)
SK010M0100A2F-0511	100	10	5X11	10	0.19	180
SK010M0100AZF-0511	100	10	5X11	10	0.19	180
SK010M0100A5F-0511	100	10	5X11	10	0.19	180
SK010M0220B2F-0511	220	10	5X11	22	0.19	215
SK010M0220A2F-0511	220	10	5X11	22	0.19	215
SK010M0220AZF-0511	220	10	5X11	22	0.19	215
SK010M0220A5F-0511	220	10	5X11	22	0.19	215
SK010M0220BZF-0611	220	10	6.3X11	22	0.19	250
SK010M0220AZF-0611	220	10	6.3X11	22	0.19	250
SK010M0220A5F-0611	220	10	6.3X11	22	0.19	250
SK010M0330BZF-0611	330	10	6.3X11	33	0.19	265
SK010M0330AZF-0611	330	10	6.3X11	33	0.19	265
SK010M0330A5F-0611	330	10	6.3X11	33	0.19	265
SK010M0330B3F-0811	330	10	8X11	33	0.19	330
SK010M0330A3F-0811	330	10	8X11	33	0.19	330
SK010M0330A5F-0811	330	10	8X11	33	0.19	330
SK010M0470BZF-0611	470	10	6.3X11	47	0.19	320
SK010M0470AZF-0611	470	10	6.3X11	47	0.19	320
SK010M0470A5F-0611	470	10	6.3X11	47	0.19	320
SK010M0470B3F-0811	470	10	8X11	47	0.19	400
SK010M0470A3F-0811	470	10	8X11	47	0.19	400
SK010M0470A5F-0811	470	10	8X11	47	0.19	400
SK010M0680B5S-1012	680	10	10X12	68	0.19	502
SK010M0680A5S-1012	680	10	10X12	68	0.19	502
SK010M1000B5S-1012	1000	10	10X12	100	0.19	580
SK010M1000A5S-1012	1000	10	10X12	100	0.19	580
SK010M1000B5S-1015	1000	10	10X15	100	0.19	630
SK010M1000A5S-1015	1000	10	10X15	100	0.19	630
SK010M1200B5S-1015	1200	10	10X15	120	0.19	754
SK010M1200A5S-1015	1200	10	10X15	120	0.19	754
SK010M1500B5S-1019	1500	10	10X19.5	150	0.19	700
SK010M1500A5S-1019	1500	10	10X19.5	150	0.19	700
SK010M2200B5S-1019	2200	10	10X19.5	220	0.21	880
SK010M2200A5S-1019	2200	10	10X19.5	220	0.21	880
SK010M2200B5S-1320	2200	10	13X20	220	0.21	1100
SK010M2200A5S-1320	2200	10	13X20	220	0.21	1100
SK010M3300B5S-1320	3300	10	13X20	330	0.23	1250
SK010M3300A5S-1320	3300	10	13X20	330	0.23	1250
SK010M3300B5S-1325	3300	10	13X25	330	0.23	1400
SK010M3300A5S-1325	3300	10	13X25	330	0.23	1400
SK010M4700B5S-1325	4700	10	13X25	470	0.25	1500
SK010M4700A5S-1325	4700	10	13X25	470	0.25	1500
SK010M4700B7F-1625	4700	10	16X25	470	0.25	1800
SK010M4700A7F-1625	4700	10	16X25	470	0.25	1800

Table 1-4 SK Type, Standard Ratings and Catalog Number (Life: 85ºC,2000Hr.)

Catalog Number	Capa-citance (μF)	Rated Voltage (V.DC)	Size (mm) D X L	Leakage Current (μA)	Dissipation Factor (Tan δ)	Ripple 85ºC 120 Hz (mA)
SK010M6800B7F-1632	6800	10	16X32	680	0.29	2150
SK010M6800B7F-1625	6800	10	16X25	680	0.29	1900
SK010M6800A7F-1625	6800	10	16X25	680	0.29	1900
SK010M10K0B7F-1636	10000	10	16X32	1000	0.37	2500
SK010M10K0B7F-1836	10000	10	18X36	1000	0.37	2500
SK010M15K0B7F-1836	15000	10	18X36	1500	0.47	2950
SK010M22K0BPF-2240	22000	10	22X40	2200	0.47	3700
SK016M1R00AZF-0511	1	16	5X11	3	0.16	18
SK016M1R00BZF-0511	1	16	5X11	3	0.16	18
SK016M2R20B2F-0511	2.2	16	5X11	3	0.16	18
SK016M2R20A2F-0511	2.2	16	5X11	3	0.16	18
SK016M2R20AZF-0511	2.2	16	5X11	3	0.16	18
SK016M2R20A5F-0511	2.2	16	5X11	3	0.16	18
SK016M4R70B2F-0511	4.7	16	5X11	3	0.16	25
SK016M4R70A2F-0511	4.7	16	5X11	3	0.16	25
SK016M4R70AZF-0511	4.7	16	5X11	3	0.16	25
SK016M4R70A5F-0511	4.7	16	5X11	3	0.16	25
SK016M0010B2F-0511	10	16	5X11	3	0.16	40
SK016M0010A2F-0511	10	16	5X11	3	0.16	40
SK016M0010AZF-0511	10	16	5X11	3	0.16	40
SK016M0010A5F-0511	10	16	5X11	3	0.16	40
SK016M0010B2F-0511	10	16	5X11	3	0.16	50
SK016M0010A2F-0511	10	16	5X11	3	0.16	50
SK016M0010AZF-0511	10	16	5X11	3	0.16	50
SK016M0010A5F-0511	10	16	5X11	3	0.16	50
SK016M0022B2F-0511	22	16	5X11	3.5	0.16	75
SK016M0022A2F-0511	22	16	5X11	3.5	0.16	75
SK016M0022AZF-0511	22	16	5X11	3.5	0.16	75
SK016M0022A5F-0511	22	16	5X11	3.5	0.16	75
SK016M0033B2F-0511	33	16	5X11	5	0.16	110
SK016M0033A2F-0511	33	16	5X11	5	0.16	110
SK016M0033AZF-0511	33	16	5X11	5	0.16	110
SK016M0033A5F-0511	33	16	5X11	5	0.16	110
SK016M0047B2F-0511	47	16	5X11	7.5	0.16	130
SK016M0047A2F-0511	47	16	5X11	7.5	0.16	130
SK016M0047AZF-0511	47	16	5X11	7.5	0.16	130
SK016M0047A5F-0511	47	16	5X11	7.5	0.16	130
SK016M0100B2F-0511	100	16	5X11	16	0.16	185
SK016M0100A2F-0511	100	16	5X11	16	0.16	185
SK016M0100AZF-0511	100	16	5X11	16	0.16	185
SK016M0100A5F-0511	100	16	5X11	16	0.16	185
SK016M0100BZF-0611	100	16	6.3X11	16	0.16	185
SK016M0100AZF-0611	100	16	6.3X11	16	0.16	185
SK016M0100A5F-0611	100	16	6.3X11	16	0.16	185

Table 1-5 SK Type, Standard Ratings and Catalog Number (Life: 85ºC,2000Hr.)

Catalog Number	Capa-citance (Mf)	Rated Voltage (V.DC)	Size (mm) D X L	Leakage Current (Ma)	Dissipation Factor (Tan δ)	Ripple 85ºC 120 Hz (Ma)
SK016M0220BZF-0611	220	16	6.3X11	35	0.16	320
SK016M0220AZF-0611	220	16	6.3X11	35	0.16	320
SK016M0220A5F-0611	220	16	6.3X11	35	0.16	320
SK016M0220B3F-0811	220	16	8X11	35	0.16	320
SK016M0220A3F-0811	220	16	8X11	35	0.16	320
SK016M0220A5F-0811	220	16	8X11	35	0.16	320
SK016M0330BZF-0611	330	16	6.3X11	53	0.16	290
SK016M0330AZF-0611	330	16	6.3X11	53	0.16	290
SK016M0330A5F-0611	330	16	6.3X11	53	0.16	290
SK016M0330B3F-0811	330	16	8X11	53	0.16	360
SK016M0330A3F-0811	330	16	8X11	53	0.16	360
SK016M0330A5F-0811	330	16	8X11	53	0.16	360
SK016M0470B3F-0811	470	16	8X11	75	0.16	400
SK016M0470A3F-0811	470	16	8X11	75	0.16	400
SK016M0470A5F-0811	470	16	8X11	75	0.16	400
SK016M0470B5S-1012	470	16	10X12	75	0.16	470
SK016M0470A5S-1012	470	16	10X12	75	0.16	470
SK016M0680B5S-1012	680	16	10X12	109	0.16	500
SK016M0680A5S-1012	680	16	10X12	109	0.16	500
SK016M0680B5S-1015	680	16	10X15	109	0.16	565
SK016M0680A5S-1015	680	16	10X15	109	0.16	565
SK016M1000B5S-1012	1000	16	10X12	160	0.16	530
SK016M1000A5S-1012	1000	16	10X12	160	0.16	530
SK016M1000B5S-1015	1000	16	10X15	160	0.16	630
SK016M1000A5S-1015	1000	16	10X15	160	0.16	630
SK016M1000B5S-1019	1000	16	10X19.5	160	0.16	790
SK016M1000A5S-1019	1000	16	10X19.5	160	0.16	790
SK016M1500B5S-1316	1500	16	13X16	240	0.16	825
SK016M1500A5S-1316	1500	16	13X16	240	0.16	825
SK016M2200B5S-1019	2200	16	10X19.5	352	0.16	925
SK016M2200A5S-1019	2200	16	10X19.5	352	0.16	925
SK016M2200B5S-1320	2200	16	13X20	352	0.18	1100
SK016M2200A5S-1320	2200	16	13X20	352	0.18	1100
SK016M2200B5S-1325	2200	16	13X25	352	0.18	1350
SK016M2200A5S-1325	2200	16	13X25	352	0.18	1350
SK016M3300B5S-1320	3300	16	13X20	528	0.20	1200
SK016M3300A5S-1320	3300	16	13X20	528	0.20	1200
SK016M3300B5S-1325	3300	16	13X25	528	0.20	1400
SK016M3300A5S-1325	3300	16	13X25	528	0.20	1400
SK016M3300B7F-1625	3300	16	16X25	528	0.20	1700
SK016M3300A7F-1625	3300	16	16X25	528	0.20	1700
SK016M4700B5S-1340	4700	16	13X40	752	0.22	1882
SK016M4700A5S-1340	4700	16	13X40	752	0.22	1882
SK016M4700B7F-1625	4700	16	16X25	752	0.22	1800

Table 1-6 SK Type, Standard Ratings and Catalog Number (Life: 85ºC,2000Hr.)

Catalog Number	Capa-citance (μF)	Rated Voltage (V.DC)	Size (mm) D X L	Leakage Current (μA)	Dissipation Factor (Tan δ)	Ripple 85ºC 120 Hz (mA)
SK016M4700A7F-1625	4700	16	16X25	752	0.22	1800
SK016M4700B7F-1632	4700	16	16X32	752	0.22	2100
SK016M6800B7F-1636	6800	16	16X36	1088	0.26	2200
SK016M6800B7F-1836	6800	16	18X36	1088	0.26	2500
SK016M10K0B7F-1836	10000	16	18X36	1600	0.34	2700
SK016M15K0BPF-2240	15000	16	22X40	2400	0.44	3150
SK016M22K0BPF-2240	22000	16	22X40	3000	0.58	380
SK025M1R00BZF-0511	1	25	5X11	3	0.14	6
SK025M1R00AZF-0511	1	25	5X11	3	0.14	6
SK025M4R70B2F-0511	4.7	25	5X11	3	0.14	30
SK025M4R70A2F-0511	4.7	25	5X11	3	0.14	30
SK025M4R70AZF-0511	4.7	25	5X11	3	0.14	30
SK025M4R70A5F-0511	4.7	25	5X11	3	0.14	30
SK025M0010B2F-0511	10	25	5X11	3	0.14	50
SK025M0010A2F-0511	10	25	5X11	3	0.14	50
SK025M0010AZF-0511	10	25	5X11	3	0.14	50
SK025M0010A5F-0511	10	25	5X11	3	0.14	50
SK025M0022B2F-0511	22	25	5X11	5.5	0.14	90
SK025M0022A2F-0511	22	25	5X11	5.5	0.14	90
SK025M0022AZF-0511	22	25	5X11	5.5	0.14	90
SK025M0022A5F-0511	22	25	5X11	5.5	0.14	90
SK025M0033B2F-0511	33	25	5X11	8	0.14	115
SK025M0033A2F-0511	33	25	5X11	8	0.14	115
SK025M0033AZF-0511	33	25	5X11	8	0.14	115
SK025M0033A5F-0511	33	25	5X11	8	0.14	115
SK025M0047B2F-0511	47	25	5X11	11.7	0.12	135
SK025M0047A2F-0511	47	25	5X11	11.7	0.12	135
SK025M0047AZF-0511	47	25	5X11	11.7	0.12	135
SK025M0047A5F-0511	47	25	5X11	11.7	0.12	135
SK025M0047BZF-0611	47	25	6.3X11	11.7	0.14	135
SK025M0047AZF-0611	47	25	6.3X11	11.7	0.14	135
SK025M0047A5F-0611	47	25	6.3X11	11.7	0.14	135
SK025M0068BZF-0611	68	25	6.3X11	17	0.14	160
SK025M0068AZF-0611	68	25	6.3X11	17	0.14	160
SK025M0068A5F-0611	68	25	6.3X11	17	0.14	160
SK025M0100BZF-0611	100	25	6.3X11	25	0.14	200
SK025M0100AZF-0611	100	25	6.3X11	25	0.14	200
SK025M0100A5F-0611	100	25	6.3X11	25	0.14	200
SK025M0220B3F-0811	220	25	8X11	55	0.14	290
SK025M0220A3F-0811	220	25	8X11	55	0.14	290
SK025M0220A5F-0811	220	25	8X11	55	0.14	290
SK025M0220B5S-1012	220	25	10X12	55	0.14	340
SK025M0220A5S-1012	220	25	10X12	55	0.14	340
SK025M0330B3F-0811	330	25	8X11	83	0.14	316

Table 1-7 SK Type, Standard Ratings and Catalog Number (Life: 85ºC,2000Hr.)

Catalog Number	Capa-citance (μF)	Rated Voltage (V.DC)	Size (mm) D X L	Leakage Current (μA)	Dissipation Factor (Tan δ)	Ripple 85ºC 120 Hz (mA)
SK025M0330A3F-0811	330	25	8X11	83	0.14	316
SK025M0330A5F-0811	330	25	8X11	83	0.14	316
SK025M0330B3F-0815	330	25	8X15	83	0.14	380
SK025M0330A3F-0815	330	25	8X15	83	0.14	380
SK025M0330A5F-0815	330	25	8X15	83	0.14	380
SK025M0330B5S-1012	330	25	10X12	83	0.14	420
SK025M0330A5S-1012	330	25	10X12	83	0.14	420
SK025M0470B3F-0815	470	25	8X15	118	0.14	420
SK025M0470A3F-0815	470	25	8X15	118	0.14	420
SK025M0470A5F-0815	470	25	8X15	118	0.14	420
SK025M0470B5S-1012	470	25	10X12	118	0.14	460
SK025M0470A5S-1012	470	25	10X12	118	0.14	460
SK025M0470B5S-1015	470	25	10X15	118	0.14	540
SK025M0470A5S-1015	470	25	10X15	118	0.14	540
SK025M0680B5S-1015	680	25	10X15	170	0.14	540
SK025M0680A5S-1015	680	25	10X15	170	0.14	540
SK025M1000B5S-1019	1000	25	10X19.5	250	0.14	760
SK025M1000A5S-1019	1000	25	10X19.5	250	0.14	760
SK025M1000B5S-1216	1000	25	12X16	250	0.14	760
SK025M1000A5S-1216	1000	25	12X16	250	0.14	760
SK025M1000B5S-1316	1000	25	13X16	250	0.14	760
SK025M1000A5S-1316	1000	25	13X16	250	0.14	760
SK025M1000B5S-1320	1000	25	13X20	250	0.14	950
SK025M1000A5S-1320	1000	25	13X20	250	0.14	950
SK025M2200B5S-1320	2200	25	13X20	550	0.14	1100
SK025M2200A5S-1320	2200	25	13X20	550	0.14	1100
SK025M2200B5S-1325	2200	25	13X25	550	0.16	1300
SK025M2200A5S-1325	2200	25	13X25	550	0.16	1300
SK025M2200B7F-1625	2200	25	16X25	550	0.16	1550
SK025M2200A7F-1625	2200	25	16X25	550	0.16	1550
SK025M2200B7F-1820	2200	25	18X20	550	0.16	1550
SK025M3300B7F-1625	3300	25	16X25	825	0.18	1660
SK025M3300A7F-1625	3300	25	16X25	825	0.18	1660
SK025M3300B7F-1632	3300	25	16X32	825	0.18	1950
SK025M4700B7F-1632	4700	25	16X32	1175	0.20	1950
SK025M4700B7F-1836	4700	25	18X36	1175	0.20	2360
SK025M6800B7F-1836	6800	25	18X36	1700	0.24	2550
SK025M10K0BPF-2240	10000	25	22X40	2500	0.32	2800
SK025M15K0BPF-2240	15000	25	22X40	3000	0.42	3200
SK035M4R70B2F-0511	4.7	35	5X11	3	0.12	35
SK035M4R70A2F-0511	4.7	35	5X11	3	0.12	35
SK035M4R70AZF-0511	4.7	35	5X11	3	0.12	35
SK035M4R70A5F-0511	4.7	35	5X11	3	0.12	35
SK035M0010B2F-0511	10	35	5X11	4	0.12	60

Table 1-8 SK Type, Standard Ratings and Catalog Number (Life: 85ºC,2000Hr.)

Catalog Number	Capa-citance (μF)	Rated Voltage (V.DC)	Size (mm) D X L	Leakage Current (μA)	Dissipation Factor (Tan δ)	Ripple 85ºC 120 Hz (mA)
SK035M0010A2F-0511	10	35	5X11	4	0.12	60
SK035M0010AZF-0511	10	35	5X11	4	0.12	60
SK035M0010A5F-0511	10	35	5X11	4	0.12	60
SK035M0022B2F-0511	22	35	5X11	8	0.12	95
SK035M0022A2F-0511	22	35	5X11	8	0.12	95
SK035M0022AZF-0511	22	35	5X11	8	0.12	95
SK035M0022A5F-0511	22	35	5X11	8	0.12	95
SK035M0033B2F-0511	33	35	5X11	11.5	0.12	120
SK035M0033A2F-0511	33	35	5X11	11.5	0.12	120
SK035M0033AZF-0511	33	35	5X11	11.5	0.12	120
SK035M0033A5F-0511	33	35	5X11	11.5	0.12	120
SK035M0047B2F-0511	47	35	5X11	16	0.12	120
SK035M0047B2F-0511	47	35	5X11	16	0.12	120
SK035M0047A2F-0511	47	35	5X11	16	0.12	120
SK035M0047AZF-0511	47	35	5X11	16	0.12	120
SK035M0047A5F-0511	47	35	5X11	16	0.12	120
SK035M0047BZF-0611	47	35	6.3X11	16	0.12	140
SK035M0047AZF-0611	47	35	6.3X11	16	0.12	140
SK035M0047A5F-0611	47	35	6.3X11	16	0.12	140
SK035M0068B3F-0811	68	35	8X11	24	0.12	180
SK035M0068A3F-0811	68	35	8X11	24	0.12	180
SK035M0068A5F-0811	68	35	8X11	24	0.12	180
SK035M0100BZF-0611	100	35	6.3X11	35	0.12	185
SK035M0100AZF-0611	100	35	6.3X11	35	0.12	185
SK035M0100A5F-0611	100	35	6.3X11	35	0.12	185
SK035M0100B3F-0811	100	35	8X11	35	0.12	230
SK035M0100A3F-0811	100	35	8X11	35	0.12	230
SK035M0100A5F-0811	100	35	8X11	35	0.12	230
SK035M0220B3F-0811	220	35	8X11	77	0.12	290
SK035M0220A3F-0811	220	35	8X11	77	0.12	290
SK035M0220A5F-0811	220	35	8X11	77	0.12	290
SK035M0220B5S-1012	220	35	10X12	77	0.12	370
SK035M0220A5S-1012	220	35	10X12	77	0.12	370
SK035M0220B5S-1015	220	35	10X15	77	0.12	370
SK035M0220A5S-1015	220	35	10X15	77	0.12	370
SK035M0330B3F-0815	330	35	8X15	116	0.12	386
SK035M0330A3F-0815	330	35	8X15	116	0.12	386
SK035M0330A5F-0815	330	35	8X15	116	0.12	386
SK035M0330B5S-1012	330	35	10X12	116	0.12	420
SK035M0330A5S-1012	330	35	10X12	116	0.12	420
SK035M0330B5S-1015	330	35	10X15	116	0.12	490
SK035M0330A5S-1015	330	35	10X15	116	0.12	490
SK035M0470B5S-1015	470	35	10X15	165	0.12	437
SK035M0470A5S-1015	470	35	10X15	165	0.12	437

Table 1-9 SK Type, Standard Ratings and Catalog Number (Life: 85ºC,2000Hr.)

Catalog Number	Capa-citance (μF)	Rated Voltage (V.DC)	Size (mm) D X L	Leakage Current (μA)	Dissipation Factor (Tan δ)	Ripple 85ºC 120 Hz (mA)
SK035M0470B5S-1019	470	35	10X19.5	165	0.12	510
SK035M0470A5S-1019	470	35	10X19.5	165	0.12	510
SK035M0470B5S-1320	470	35	13X20	165	0.12	640
SK035M0470A5S-1320	470	35	13X20	165	0.12	640
SK035M0680B5S-1019	680	35	10X19.5	238	0.12	762
SK035M0680A5S-1019	680	35	10X19.5	238	0.12	762
SK035M0680B5S-1320	680	35	13X20	238	0.12	705
SK035M0680A5S-1320	680	35	13X20	238	0.12	705
SK035M0680B5S-1325	680	35	13X25	238	0.12	780
SK035M0680A5S-1325	680	35	13X25	238	0.12	780
SK035M1000B5S-1320	1000	35	13X20	350	0.12	950
SK035M1000A5S-1320	1000	35	13X20	350	0.12	950
SK035M1000B5S-1325	1000	35	13X25	350	0.12	1100
SK035M1000A5S-1325	1000	35	13X25	350	0.12	1100
SK035M2200B7F-1625	2200	35	16X25	770	0.14	1600
SK035M2200A7F-1625	2200	35	16X25	770	0.14	1600
SK035M2200B7F-1632	2200	35	16X32	770	0.14	1800
SK035M2200A7F-1632	2200	35	16X32	770	0.14	1800
SK035M3300B7F-1636	3300	35	16X36	1155	0.16	1970
SK035M3300B7F-1836	3300	35	18X36	1155	0.16	2220
SK035M4700B7F-1636	4700	35	16X36	1645	0.12	2136
SK035M4700B7F-1836	4700	35	18X36	1645	0.18	2400
SK035M6800B7F-1840	6800	35	18X40	2380	0.12	2200
SK050M0R10B2F-0511	6800	35	22X40	2380	0.22	2600
SK050M0R10B2F-0511	0.1	50	5X11	3	0.10	1
SK050M0R10A2F-0511	0.1	50	5X11	3	0.10	1
SK050M0R10AZF-0511	0.1	50	5X11	3	0.10	1
SK050M0R10A5F-0511	0.1	50	5X11	3	0.10	1
SK050M0R22B2F-0511	0.22	50	5X11	3	0.10	2
SK050M0R22A2F-0511	0.22	50	5X11	3	0.10	2
SK050M0R22AZF-0511	0.22	50	5X11	3	0.10	2
SK050M0R22A5F-0511	0.22	50	5X11	3	0.10	2
SK050M0R33B2F-0511	0.33	50	5X11	3	0.10	3
SK050M0R33A2F-0511	0.33	50	5X11	3	0.10	3
SK050M0R33AZF-0511	0.33	50	5X11	3	0.10	3
SK050M0R33A5F-0511	0.33	50	5X11	3	0.10	3
SK050M0R47B2F-0511	0.47	50	5X11	3	0.10	5
SK050M0R47A2F-0511	0.47	50	5X11	3	0.10	5
SK050M0R47AZF-0511	0.47	50	5X11	3	0.10	5
SK050M0R47A5F-0511	0.47	50	5X11	3	0.10	5
SK050M1R00B2F-0511	1	50	5X11	3	0.10	10
SK050M1R00A2F-0511	1	50	5X11	3	0.10	10
SK050M1R00AZF-0511	1	50	5X11	3	0.10	10
SK050M1R00A5F-0511	1	50	5X11	3	0.10	10

Table 1-10 SK Type, Standard Ratings and Catalog Number (Life: 85ºC,2000Hr.)

Catalog Number	Capa-citance (Mf)	Rated Voltage (V.DC)	Size (mm) D X L	Leakage Current (Ma)	Dissipation Factor (Tan δ)	Ripple 85ºC 120 Hz (Ma)
SK050M2R20B2F-0511	2.2	50	5X11	3	0.10	23
SK050M2R20A2F-0511	2.2	50	5X11	3	0.10	23
SK050M2R20AZF-0511	2.2	50	5X11	3	0.10	23
SK050M2R20A5F-0511	2.2	50	5X11	3	0.10	23
SK050M3R30B2F-0511	3.3	50	5X11	3	0.10	35
SK050M3R30A2F-0511	3.3	50	5X11	3	0.10	35
SK050M3R30AZF-0511	3.3	50	5X11	3	0.10	35
SK050M3R30A5F-0511	3.3	50	5X11	3	0.10	35
SK050M4R70B2F-0511	4.7	50	5X11	3	0.10	40
SK050M4R70A2F-0511	4.7	50	5X11	3	0.10	40
SK050M4R70AZF-0511	4.7	50	5X11	3	0.10	40
SK050M4R70A5F-0511	4.7	50	5X11	3	0.10	40
SK050M6R80B2F-0511	6.8	50	5X11	3.4	0.10	50
SK050M6R80A2F-0511	6.8	50	5X11	3.4	0.10	50
SK050M6R80AZF-0511	6.8	50	5X11	3.4	0.10	50
SK050M6R80A5F-0511	6.8	50	5X11	3.4	0.10	50
SK050M0010B2F-0511	10	50	5X11	5	0.10	65
SK050M0010A2F-0511	10	50	5X11	5	0.10	65
SK050M0010AZF-0511	10	50	5X11	5	0.10	65
SK050M0010A5F-0511	10	50	5X11	5	0.10	65
SK050M0015B2F-0511	15	50	5X11	7.5	0.10	80
SK050M0015A2F-0511	15	50	5X11	7.5	0.10	80
SK050M0015AZF-0511	15	50	5X11	7.5	0.10	80
SK050M0015A5F-0511	15	50	5X11	7.5	0.10	80
SK050M0022B2F-0511	22	50	5X11	11	0.10	100
SK050M0022A2F-0511	22	50	5X11	11	0.10	100
SK050M0022AZF-0511	22	50	5X11	11	0.10	100
SK050M0022A5F-0511	22	50	5X11	11	0.10	100
SK050M0033B2F-0511	33	50	5X11	17	0.10	105
SK050M0033A2F-0511	33	50	5X11	17	0.10	105
SK050M0033AZF-0511	33	50	5X11	17	0.10	105
SK050M0033A5F-0511	33	50	5X11	17	0.10	105
SK050M0033BZF-0611	33	50	6.3X11	17	0.10	125
SK050M0033AZF-0611	33	50	6.3X11	17	0.10	125
SK050M0033A5F-0611	33	50	6.3X11	17	0.10	125
SK050M0047BZF-0611	47	50	6.3X11	24	0.10	140
SK050M0047AZF-0611	47	50	6.3X11	24	0.10	140
SK050M0047A5F-0611	47	50	6.3X11	24	0.10	140
SK050M0047B3F-0811	47	50	8X11	24	0.10	150
SK050M0047A3F-0811	47	50	8X11	24	0.10	150
SK050M0047A5F-0811	47	50	8X11	24	0.10	150
SK050M0100B3F-0811	100	50	8X11	50	0.10	230
SK050M0100A3F-0811	100	50	8X11	50	0.10	230
SK050M0100A5F-0811	100	50	8X11	50	0.10	230

Table 1-11 SK Type, Standard Ratings and Catalog Number (Life: 85ºC,2000Hr.)

Catalog Number	Capa-citance (μF)	Rated Voltage (V.DC)	Size (mm) D X L	Leakage Current (μA)	Dissipation Factor (Tan δ)	Ripple 85ºC 120 Hz (mA)
SK050M0100B5S-1012	100	50	10X12	50	0.10	250
SK050M0100A5S-1012	100	50	10X12	50	0.10	250
SK050M0220B5S-1012	220	50	10X12	110	0.10	380
SK050M0220A5S-1012	220	50	10X12	110	0.10	380
SK050M0220B5S-1015	220	50	10X15	110	0.10	440
SK050M0220A5S-1015	220	50	10X15	110	0.10	440
SK050M0330B5S-1015	330	50	10X15	165	0.10	490
SK050M0330A5S-1015	330	50	10X15	165	0.10	490
SK050M0330B5S-1019	330	50	10X19.5	165	0.10	580
SK050M0330A5S-1019	330	50	10X19.5	165	0.10	580
SK050M0330B5SH1313	330	50	13X13	165	0.10	530
SK050M0470B5S-1019	470	50	10X19.5	235	0.10	610
SK050M0470A5S-1019	470	50	10X19.5	235	0.10	610
SK050M0470B5S-1320	470	50	13X20	235	0.10	760
SK050M0470A5S-1320	470	50	13X20	235	0.10	760
SK050M1000B5S-1325	1000	50	13X25	500	0.10	1100
SK050M1000A5S-1325	1000	50	13X25	500	0.10	1100
SK050M1000BF7-1625	1000	50	16X25	500	0.10	1350
SK050M1000B7F-1625	1000	50	16X25	500	0.10	1350
SK050M2200B7F-1636	2200	50	16X36	1100	0.12	1850
SK050M2200B7F-1836	2200	50	18X36	1100	0.12	2090
SK050M3300B7F-1836	3300	50	18X36	1650	0.14	2170
SK050M3300B7F-1840	3300	50	18X40	1650	0.14	2400
SK050M4700B7F-1850	4700	50	18X50	2350	0.16	2350
SK050M4700BPF-2235	4700	50	22X35	2350	0.16	2240
SK050M4700BPF-2240	4700	50	22X40	2350	0.16	2500
SK063M0R47B2F-0511	0.47	63	5X11	3	0.09	5
SK063M0R47A2F-0511	0.47	63	5X11	3	0.09	5
SK063M0R47AZF-0511	0.47	63	5X11	3	0.09	5
SK063M0R47A5F-0511	0.47	63	5X11	3	0.09	5
SK063M1R00B2F-0511	1	63	5X11	3	0.09	10
SK063M1R00A2F-0511	1	63	5X11	3	0.09	10
SK063M1R00AZF-0511	1	63	5X11	3	0.09	10
SK063M1R00A5F-0511	1	63	5X11	3	0.09	10
SK063M2R20B2F-0511	2.2	63	5X11	3	0.09	29
SK063M2R20A2F-0511	2.2	63	5X11	3	0.09	29
SK063M2R20AZF-0511	2.2	63	5X11	3	0.09	29
SK063M2R20A5F-0511	2.2	63	5X11	3	0.09	29
SK063M3R30B2F-0511	3.3	63	5X11	3	0.09	40
SK063M3R30A2F-0511	3.3	63	5X11	3	0.09	40
SK063M3R30AZF-0511	3.3	63	5X11	3	0.09	40
SK063M3R30A5F-0511	3.3	63	5X11	3	0.09	40
SK063M4R70B2F-0511	4.7	63	5X11	3	0.09	45
SK063M4R70A2F-0511	4.7	63	5X11	3	0.09	45

Table 1-12 SK Type, Standard Ratings and Catalog Number (Life: 85ºC,2000Hr.)

Catalog Number	Capa-citance (Mf)	Rated Voltage (V.DC)	Size (mm) D X L	Leakage Current (Ma)	Dissipation Factor (Tan δ)	Ripple 85ºC 120 Hz (Ma)
SK063M4R70AZF-0511	4.7	63	5X11	3	0.09	45
SK063M4R70A5F-0511	4.7	63	5X11	3	0.09	45
SK063M0010B2F-0511	10	63	5X11	6	0.09	70
SK063M0010A2F-0511	10	63	5X11	6	0.09	70
SK063M0010AZF-0511	10	63	5X11	6	0.09	70
SK063M0010A5F-0511	10	63	5X11	6	0.09	70
SK063M0022B2F-0511	22	63	5X11	14	0.09	95
SK063M0022A2F-0511	22	63	5X11	14	0.09	95
SK063M0022AZF-0511	22	63	5X11	14	0.09	95
SK063M0022A5F-0511	22	63	5X11	14	0.09	95
SK063M0022BZF-0611	22	63	6.3X11	14	0.09	115
SK063M0022AZF-0611	22	63	6.3X11	14	0.09	115
SK063M0022A5F-0611	22	63	6.3X11	14	0.09	115
SK063M0033BZF-0611	33	63	6.3X11	21	0.09	130
SK063M0033AZF-0611	33	63	6.3X11	21	0.09	130
SK063M0033A5F-0611	33	63	6.3X11	21	0.09	130
SK063M0033B3F-0811	33	63	8X11	21	0.09	140
SK063M0033A3F-0811	33	63	8X11	21	0.09	140
SK063M0033A5F-0811	33	63	8X11	21	0.09	140
SK063M0047BZF-0611	47	63	6.3X11	29.6	0.10	160
SK063M0047AZF-0611	47	63	6.3X11	29.6	0.10	160
SK063M0047A5F-0611	47	63	6.3X11	29.6	0.10	160
SK063M0047B3F-0811	47	63	8X11	30	0.09	190
SK063M0047A3F-0811	47	63	8X11	30	0.09	190
SK063M0047A5F-0811	47	63	8X11	30	0.09	190
SK063M0100B5S-1012	100	63	10X12	63	0.09	300
SK063M0100A5S-1012	100	63	10X12	63	0.09	300
SK063M0100B5S-1015	100	63	10X15	63	0.09	300
SK063M0100A5S-1015	100	63	10X15	63	0.09	300
SK063M0220B5S-1015	220	63	10X15	139	0.09	410
SK063M0220A5S-1015	220	63	10X15	139	0.09	410
SK063M0220B5S-1019	220	63	10X19.5	139	0.09	490
SK063M0220A5S-1019	220	63	10X19.5	139	0.09	490
SK063M0330B5S-1019	330	63	10X19.5	208	0.09	540
SK063M0330A5S-1019	330	63	10X19.5	208	0.09	540
SK063M0330B5S-1320	330	63	13X20	208	0.09	680
SK063M0330A5S-1320	330	63	13X20	208	0.09	680
SK063M0470B5S-1320	470	63	13X20	296	0.09	755
SK063M0470A5S-1320	470	63	13X20	296	0.09	755
SK063M0470B5S-1325	470	63	13X25	296	0.09	880
SK063M0470A5S-1325	470	63	13X25	296	0.09	880
SK063M0470B7F-1625	470	63	16X25	296	0.09	880
SK063M0470A7F-1625	470	63	16X25	296	0.09	880
SK063M0680B5S-1325	680	63	13X25	428	0.09	965

Table 1-13 SK Type, Standard Ratings and Catalog Number (Life: 85ºC,2000Hr.)

Catalog Number	Capa-citance (Mf)	Rated Voltage (V.DC)	Size (mm) D X L	Leakage Current (Ma)	Dissipation Factor (Tan δ)	Ripple 85ºC 120 Hz (Ma)
SK063M0680A5S-1325	680	63	13X25	428	0.09	965
SK063M0680B7F-1625	680	63	16X25	428	0.09	1085
SK063M0680A7F-1625	680	63	16X25	428	0.09	1085
SK063M1000B7F-1625	1000	63	16X25	630	0.09	1310
SK063M1000A7F-1625	1000	63	16X25	630	0.09	1310
SK063M1000B7F-1632	1000	63	16X32	630	0.09	1550
SK063M2200B7F-1836	2200	63	18X36	1386	0.09	2000
SK063M2200B7F-1840	2200	63	18X40	1386	0.11	2200
SK063M2200BPF-2235	2200	63	22X35	1386	0.11	2200
SK063M2200BPF-2240	2200	63	22X40	1386	0.11	2200
SK063M3300BPF-2240	3300	63	22X40	2079	0.13	2500
SK100M0R22B2F-0511	0.22	100	5X11	3	0.08	5
SK100M0R22A2F-0511	0.22	100	5X11	3	0.08	5
SK100M0R22AZF-0511	0.22	100	5X11	3	0.08	5
SK100M0R22A5F-0511	0.22	100	5X11	3	0.08	5
SK100M0R47B2F-0511	0.47	100	5X11	3	0.08	10
SK100M0R47A2F-0511	0.47	100	5X11	3	0.08	10
SK100M0R47AZF-0511	0.47	100	5X11	3	0.08	10
SK100M0R47A5F-0511	0.47	100	5X11	3	0.08	10
SK100M1R00B2F-0511	1	100	5X11	3	0.08	21
SK100M1R00A2F-0511	1	100	5X11	3	0.08	21
SK100M1R00AZF-0511	1	100	5X11	3	0.08	21
SK100M1R00A5F-0511	1	100	5X11	3	0.08	21
SK100M2R20B2F-0511	2.2	100	5X11	3	0.08	30
SK100M2R20A2F-0511	2.2	100	5X11	3	0.08	30
SK100M2R20AZF-0511	2.2	100	5X11	3	0.08	30
SK100M2R20A5F-0511	2.2	100	5X11	3	0.08	30
SK100M3R30B2F-0511	3.3	100	5X11	3	0.08	45
SK100M3R30A2F-0511	3.3	100	5X11	3	0.08	45
SK100M3R30AZF-0511	3.3	100	5X11	3	0.08	45
SK100M3R30A5F-0511	3.3	100	5X11	3	0.08	45
SK100M4R70B2F-0511	4.7	100	5X11	5	0.08	50
SK100M4R70A2F-0511	4.7	100	5X11	5	0.08	50
SK100M4R70AZF-0511	4.7	100	5X11	5	0.08	50
SK100M4R70A5F-0511	4.7	100	5X11	5	0.08	50
SK100M6R80B2F-0511	6.8	100	5X11	7	0.08	55
SK100M6R80A2F-0511	6.8	100	5X11	7	0.08	55
SK100M6R80AZF-0511	6.8	100	5X11	7	0.08	55
SK100M6R80A5F-0511	6.8	100	5X11	7	0.08	55
SK100M0010B2F-0511	10	100	5X11	10	0.08	65
SK100M0010A2F-0511	10	100	5X11	10	0.08	65
SK100M0010AZF-0511	10	100	5X11	10	0.08	65
SK100M0010A5F-0511	10	100	5X11	10	0.08	65
SK100M0010BZF-0611	10	100	6.3X11	10	0.08	75

Table 1-14 SK Type, Standard Ratings and Catalog Number (Life: 85ºC,2000Hr.)

Catalog Number	Capa-citance (μF)	Rated Voltage (V.DC)	Size (mm) D X L	Leakage Current (μA)	Dissipation Factor (Tan δ)	Ripple 85ºC 120 Hz (mA)
SK100M0010AZF-0611	10	100	6.3X11	10	0.08	75
SK100M0010A5F-0611	10	100	6.3X11	10	0.08	75
SK100M0015B3F-0811	15	100	8X11	15	0.08	93
SK100M0015A3F-0811	15	100	8X11	15	0.08	93
SK100M0015A5F-0811	15	100	8X11	15	0.08	93
SK100M0022BZF-0611	22	100	6.3X11	22	0.08	105
SK100M0022AZF-0611	22	100	6.3X11	22	0.08	105
SK100M0022A5F-0611	22	100	6.3X11	22	0.08	105
SK100M0022B3F-0811	22	100	8X11	22	0.08	130
SK100M0022A3F-0811	22	100	8X11	22	0.08	130
SK100M0022A5F-0811	22	100	8X11	22	0.08	130
SK100M0033B3F-0811	33	100	8X11	33	0.08	140
SK100M0033A3F-0811	33	100	8X11	33	0.08	140
SK100M0033A5F-0811	33	100	8X11	33	0.08	140
SK100M0033B5S-1012	33	100	10X12	33	0.08	170
SK100M0033A5S-1012	33	100	10X12	33	0.08	170
SK100M0047B5S-1012	47	100	10X12	47	0.08	190
SK100M0047A5S-1012	47	100	10X12	47	0.08	190
SK100M0047B5S-1015	47	100	10X15	47	0.08	230
SK100M0047A5S-1015	47	100	10X15	47	0.08	230
SK100M0068B5S-1015	68	100	10X15	68	0.08	280
SK100M0068A5S-1015	68	100	10X15	68	0.08	280
SK100M0100B5S-1019	100	100	10X19.5	100	0.08	400
SK100M0100A5S-1019	100	100	10X19.5	100	0.08	400
SK100M0150B5S-1320	150	100	13X20	150	0.08	500
SK100M0150B5S-1320	150	100	13X20	150	0.08	500
SK100M0220B5S-1325	220	100	13X25	220	0.08	710
SK100M0220A5S-1325	220	100	13X25	220	0.08	710
SK100M0330B5S-1325	330	100	13X25	330	0.08	720
SK100M0330A5S-1325	330	100	13X25	330	0.08	720
SK100M0330B7F-1625	330	100	16X25	330	0.08	860
SK100M0330A7F-1625	330	100	16X25	330	0.08	860
SK100M0470B5S-1340	470	100	13X40	470	0.08	1100
SK100M0470A5S-1340	470	100	13X40	470	0.08	1100
SK100M0470B7F-1625	470	100	16X25	470	0.08	1100
SK100M0470A7F-1625	470	100	16X25	470	0.08	1100
SK100M0470B7F-1632	470	100	16X32	470	0.08	1100
SK100M0680B7F-1636	680	100	16X36	680	0.08	1260
SK100M1000B7F-1840	1000	100	18X40	1000	0.08	1350
SK100M1000BPF-2235	1000	100	22X35	1000	0.08	1680
SK100M2200BPF-2240	2200	100	22X40	2200	0.10	2300
SK160M0R47B2F-0511	0.47	160	5X11	12	0.15	12
SK160M0R47A2F-0511	0.47	160	5X11	12	0.15	12
SK160M0R47AZF-0511	0.47	160	5X11	12	0.15	12

Table 1-15 SK Type, Standard Ratings and Catalog Number (Life: 85ºC,2000Hr.)

Catalog Number	Capa-citance (μF)	Rated Voltage (V.DC)	Size (mm) D X L	Leakage Current (μA)	Dissipation Factor (Tan δ)	Ripple 85ºC 120 Hz (mA)
SK160M0R47A5F-0511	0.47	160	5X11	12	0.15	12
SK160M1R00B2F-0511	1	160	5X11	15	0.15	17
SK160M1R00A2F-0511	1	160	5X11	15	0.15	17
SK160M1R00AZF-0511	1	160	5X11	15	0.15	17
SK160M1R00A5F-0511	1	160	5X11	15	0.15	17
SK160M1R00BZF-0611	1	160	6.3X11	15	0.15	17
SK160M1R00AZF-0611	1	160	6.3X11	15	0.15	17
SK160M1R00A5F-0611	1	160	6.3X11	15	0.15	17
SK160M2R20BZF-0611	2.2	160	6.3X11	21	0.15	26
SK160M2R20AZF-0611	2.2	160	6.3X11	21	0.15	26
SK160M2R20A5F-0611	2.2	160	6.3X11	21	0.15	26
SK160M3R30BZF-0611	3.3	160	6.3X11	26	0.15	30
SK160M3R30AZF-0611	3.3	160	6.3X11	26	0.15	30
SK160M3R30A5F-0611	3.3	160	6.3X11	26	0.15	30
SK160M3R30B3F-0811	3.3	160	8X11	26	0.15	35
SK160M3R30A3F-0811	3.3	160	8X11	26	0.15	35
SK160M3R30A5F-0811	3.3	160	8X11	26	0.15	35
SK160M4R70BZF-0611	4.7	160	6.3X11	33	0.15	32
SK160M4R70AZF-0611	4.7	160	6.3X11	33	0.15	32
SK160M4R70A5F-0611	4.7	160	6.3X11	33	0.15	32
SK160M4R70B3F-0811	4.7	160	8X11	33	0.15	40
SK160M4R70A3F-0811	4.7	160	8X11	33	0.15	40
SK160M4R70A5F-0811	4.7	160	8X11	33	0.15	40
SK160M0010B3F-0811	10	160	8X11	58	0.15	50
SK160M0010A3F-0811	10	160	8X11	58	0.15	50
SK160M0010A5F-0811	10	160	8X11	58	0.15	50
SK160M0010B5S-1012	10	160	10X12	58	0.15	65
SK160M0010A5S-1012	10	160	10X12	58	0.15	65
SK160M0010B5S-1015	10	160	10X15	65	0.15	65
SK160M0010A5S-1015	10	160	10X15	65	0.15	65
SK160M0022B5S-1015	22	160	10X15	116	0.15	110
SK160M0022A5S-1015	22	160	10X15	116	0.15	110
SK160M0022B5S-1019	22	160	10X19.5	116	0.15	110
SK160M0022A5S-1019	22	160	10X19.5	116	0.15	110
SK160M0033B5S-1019	33	160	10X19.5	168	0.15	150
SK160M0033A5S-1019	33	160	10X19.5	168	0.15	150
SK160M0047B5S-1316	47	160	13X15	236	0.15	145
SK160M0047A5S-1316	47	160	13X15	236	0.15	145
SK160M0047B5S-1325	47	160	13X25	236	0.15	180
SK160M0047A5S-1325	47	160	13X25	236	0.15	180
SK160M0047B5S-1320	47	160	13X20	236	0.15	180
SK160M0047A5S-1320	47	160	13X20	236	0.15	180
SK160M0100B5S-1325	100	160	13X25	490	0.15	250
SK160M0100A5S-1325	100	160	13X25	490	0.15	250

Table 1-16 SK Type, Standard Ratings and Catalog Number (Life: 85ºC,2000Hr.)

Catalog Number	Capa-citance (μF)	Rated Voltage (V.DC)	Size (mm) D X L	Leakage Current (μA)	Dissipation Factor (Tan δ)	Ripple 85ºC 120 Hz (mA)
SK160M0100B7F-1625	100	160	16X25	490	0.15	300
SK160M0100A7F-1625	100	160	16X25	490	0.15	300
SK160M0220B7F-1632	220	160	16X32	1066	0.15	450
SK160M0220B7F-1636	220	160	16X36	1066	0.15	510
SK160M0330B7F-1836	330	160	18X36	1594	0.15	540
SK160M0330B7F-1840	330	160	18X40	1594	0.15	600
SK160M0470BPF-2240	470	160	22X40	2266	0.15	900
SK200M0R47B2F-0511	0.47	160	5X11	13	0.15	14
SK200M0R47A2F-0511	0.47	160	5X11	13	0.15	14
SK200M0R47AZF-0511	0.47	160	5X11	13	0.15	14
SK200M0R47A5F-0511	0.47	160	5X11	13	0.15	14
SK200M1R00B2F-0511	0.47	160	5X11	16	0.15	19
SK200M1R00A2F-0511	1	160	5X11	16	0.15	19
SK200M1R00AZF-0511	1	160	5X11	16	0.15	19
SK200M1R00A5F-0511	1	160	5X11	16	0.15	19
SK200M2R20BZF-0611	2.2	160	6.3X11	23	0.15	22
SK200M2R20AZF-0611	2.2	160	6.3X11	23	0.15	22
SK200M2R20A5F-0611	2.2	160	6.3X11	23	0.15	22
SK200M2R20B3F-0811	2.2	160	8X11	23	0.15	27
SK200M2R20A3F-0811	2.2	160	8X11	23	0.15	27
SK200M2R20A5F-0811	2.2	160	8X11	23	0.15	27
SK200M3R30BZF-0611	3.3	160	6.3X11	30	0.15	30
SK200M3R30AZF-0611	3.3	160	6.3X11	30	0.15	30
SK200M3R30A5F-0611	3.3	160	6.3X11	30	0.15	30
SK200M3R30B3F-0811	3.3	160	8X11	30	0.15	37
SK200M3R30A3F-0811	3.3	160	8X11	30	0.15	37
SK200M3R30A5F-0811	3.3	160	8X11	30	0.15	37
SK200M4R70B3F-0811	4.7	160	8X11	38	0.15	36
SK200M4R70A3F-0811	4.7	160	8X11	38	0.15	36
SK200M4R70A5F-0811	4.7	160	8X11	38	0.15	36
SK200M4R70B5S-1012	4.7	160	10X12	38	0.15	45
SK200M4R70A5S-1012	4.7	160	10X12	38	0.15	45
SK200M0010B5S-1012	10	160	10X12	70	0.15	57
SK200M0010A5S-1012	10	160	10X12	70	0.15	57
SK200M0010B5S-1015	10	160	10X15	70	0.15	70
SK200M0010A5S-1015	10	160	10X15	70	0.15	70
SK200M0033B5S-1019	33	160	10X19.5	208	0.15	160
SK200M0033A5S-1019	33	160	10X19.5	208	0.15	160
SK200M0047B5S-1320	47	160	13X20	292	0.15	160
SK200M0047A5S-1320	47	160	13X20	292	0.15	160
SK200M0047B5S-1325	47	160	13X25	292	0.15	190
SK200M0047A5S-1325	47	160	13X25	292	0.15	190
SK200M0068B5S-1325	68	160	13X25	418	0.15	230
SK200M0068A5S-1325	68	160	13X25	418	0.15	230

Table 1-17 SK Type, Standard Ratings and Catalog Number (Life: 85ºC,2000Hr.)

Catalog Number	Capa-citance (μF)	Rated Voltage (V.DC)	Size (mm) D X L	Leakage Current (μA)	Dissipation Factor (Tan δ)	Ripple 85ºC 120 Hz (mA)
SK200M0100B7F-1625	100	160	16X25	610	0.15	330
SK200M0100A7F-1625	100	160	16X25	610	0.15	330
SK200M0120B7F-1625	120	160	16X25	730	0.15	375
SK200M0120A7F-1625	120	160	16X25	730	0.15	375
SK200M0150B7F-1625	150	160	16X25	910	0.15	440
SK200M0150A7F-1625	150	160	16X25	910	0.15	440
SK200M0180B7F-1632	180	160	16X32	1090	0.15	472
SK200M0220B7F-1825	220	160	18X25	1330	0.15	485
SK200M0220B7F-1832	220	160	18X32	1330	0.15	540
SK200M0220B7F-1836	220	160	18X36	1330	0.15	600
SK200M0330B7F-1640	330	160	16X40	1900	0.15	710
SK200M0330B7F-1645	330	160	16X45	1990	0.15	750
SK200M0330B7F-1836	330	160	18X36	1990	0.15	725
SK200M0330B7F-1832	330	160	18X32	1990	0.15	685
SK200M0330B7F-1840	330	160	18X40	1990	0.16	800
SK200M0470B7F-1840	470	160	18X40	2830	0.15	750
SK200M0470BPF-2235	470	160	22X35	2830	0.15	1000
SK250M0R47B2F-0511	0.47	250	5X11	14	0.15	14
SK250M0R47A2F-0511	0.47	250	5X11	14	0.15	14
SK250M0R47AZF-0511	0.47	250	5X11	14	0.15	14
SK250M0R47A5F-0511	0.47	250	5X11	14	0.15	14
SK250M1R00B2F-0511	1	250	5X11	18	0.15	17
SK250M1R00A2F-0511	1	250	5X11	18	0.15	17
SK250M1R00AZF-0511	1	250	5X11	18	0.15	17
SK250M1R00A5F-0511	1	250	5X11	18	0.15	17
SK250M1R00BZF-0611	1	250	6.3X11	18	0.15	19
SK250M1R00AZF-0611	1	250	6.3X11	18	0.15	19
SK250M1R00A5F-0611	1	250	6.3X11	18	0.15	19
SK250M2R20BZF-0611	2.2	250	6.3X11	27	0.15	24
SK250M2R20AZF-0611	2.2	250	6.3X11	27	0.15	24
SK250M2R20A5F-0611	2.2	250	6.3X11	27	0.15	24
SK250M2R20B3F-0811	2.2	250	8X11	27	0.15	30
SK250M2R20A3F-0811	2.2	250	8X11	27	0.15	30
SK250M2R20A5F-0811	2.2	250	8X11	27	0.15	30
SK250M3R30B3F-0811	3.3	250	8X11	35	0.15	30
SK250M3R30A3F-0811	3.3	250	8X11	35	0.15	30
SK250M3R30A5F-0811	3.3	250	8X11	35	0.15	30
SK250M3R30B5S-1012	3.3	250	10X12	35	0.15	38
SK250M3R30A5S-1012	3.3	250	10X12	35	0.15	38
SK250M4R70B3F-0811	4.7	250	8X11	45	0.15	36
SK250M4R70A3F-0811	4.7	250	8X11	45	0.15	36
SK250M4R70A5F-0811	4.7	250	8X11	45	0.15	36
SK250M4R70B5S-1012	4.7	250	10X12	45	0.15	45
SK250M4R70A5S-1012	4.7	250	10X12	45	0.15	45

Table 1-18 SK Type, Standard Ratings and Catalog Number (Life: 85ºC,2000Hr.)

Catalog Number	Capa-citance (μF)	Rated Voltage (V.DC)	Size (mm) D X L	Leakage Current (μA)	Dissipation Factor (Tan δ)	Ripple 85ºC 120 Hz (mA)
SK250M6R80B3F-0811	6.8	250	8X11	61	0.15	40
SK250M6R80A3F-0811	6.8	250	8X11	61	0.15	40
SK250M6R80A5F-0811	6.8	250	8X11	61	0.15	40
SK250M6R80B5S-1012	6.8	250	10X12	50	0.15	50
SK250M6R80A5S-1012	6.8	250	10X12	50	0.15	50
SK250M0010B5S-1015	10	250	10X15	85	0.15	70
SK250M0010A5S-1015	10	250	10X15	85	0.15	70
SK250M0010B5S-1019	10	250	10X19.5	85	0.15	70
SK250M0010A5S-1019	10	250	10X19.5	85	0.15	70
SK250M0015B5S-1019	15	250	10X19.5	122	0.15	75
SK250M0015A5S-1019	15	250	10X19.5	122	0.15	75
SK250M0015B5S-1320	15	250	13X20	122	0.15	90
SK250M0015A5S-1320	15	250	13X20	122	0.15	90
SK250M0022B5S-1019	22	250	10X19.5	175	0.15	130
SK250M0022A5S-1019	22	250	10X19.5	175	0.15	130
SK250M0033B5S-1320	33	250	13X20	258	0.15	140
SK250M0033A5S-1320	33	250	13X20	258	0.15	140
SK250M0033B5S-1325	33	250	13X25	258	0.15	160
SK250M0033A5S-1325	33	250	13X25	258	0.15	160
SK250M0047B5S-1320	47	250	13X20	117.5	0.15	180
SK250M0047A5S-1320	47	250	13X20	117.5	0.15	180
SK250M0047B5S-1325	47	250	13X25	363	0.15	210
SK250M0047A5S-1325	47	250	13X25	363	0.15	210
SK250M0047B7F-1625	47	250	16X25	363	0.15	210
SK250M0047A7F-1625	47	250	16X25	363	0.15	210
SK250M0100B7F-1632	100	250	16X32	760	0.15	310
SK250M0150B7F-1840	150	250	18X40	1135	0.15	410
SK250M0220B7F-1836	220	250	18X36	1660	0.15	540
SK250M0220B7F-1840	220	250	18X40	1660	0.15	600
SK350M0R47B2F-0511	0.47	350	5X11	15	0.20	14
SK350M0R47A2F-0511	0.47	350	5X11	15	0.20	14
SK350M0R47AZF-0511	0.47	350	5X11	15	0.20	14
SK350M0R47A5F-0511	0.47	350	5X11	15	0.20	14
SK350M1R00BZF-0611	1	350	6.3X11	21	0.20	19
SK350M1R00AZF-0611	1	350	6.3X11	21	0.20	19
SK350M1R00A5F-0611	1	350	6.3X11	21	0.20	19
SK350M2R20B3F-0811	2.2	350	8X11	33	0.20	33
SK350M2R20A3F-0811	2.2	350	8X11	33	0.20	33
SK350M2R20A5F-0811	2.2	350	8X11	33	0.20	33
SK350M2R20B5S-1012	2.2	350	10X12	33	0.20	33
SK350M2R20A5S-1012	2.2	350	10X12	33	0.20	33
SK350M3R30B3F-0811	2.2	350	8X11	45	0.20	33
SK350M3R30A3F-0811	2.2	350	8X11	45	0.20	33
SK350M3R30A5F-0811	2.2	350	8X11	45	0.20	33

Table 1-19 SK Type, Standard Ratings and Catalog Number (Life: 85ºC,2000Hr.)

Catalog Number	Capa-citance (μF)	Rated Voltage (V.DC)	Size (mm) D X L	Leakage Current (μA)	Dissipation Factor (Tan δ)	Ripple 85ºC 120 Hz (mA)
SK350M3R30B5S-1012	3.3	350	10X12	45	0.20	39
SK350M3R30A5S-1012	3.3	350	10X12	45	0.20	39
SK350M4R70B3F-0811	4.7	350	8X11	59	0.20	36
SK350M4R70A3F-0811	4.7	350	8X11	59	0.20	36
SK350M4R70A5F-0811	4.7	350	8X11	59	0.20	36
SK350M4R70B5S-1012	4.7	350	10X12	59	0.20	45
SK350M4R70A5S-1012	4.7	350	10X12	59	0.20	45
SK350M4R70B5S-1015	4.7	350	10X15	59	0.20	45
SK350M4R70A5S-1015	4.7	350	10X15	59	0.20	45
SK350M0010B5S-1015	10	350	10X15	115	0.20	70
SK350M0010A5S-1015	10	350	10X15	115	0.20	70
SK350M0010B5S-1320	10	350	13X20	115	0.20	70
SK350M0010A5S-1320	10	350	13X20	115	0.20	70
SK350M0015B5S-1019	15	350	10X19.5	167	0.20	90
SK350M0015A5S-1019	15	350	10X19.5	167	0.20	90
SK350M0022B5S-1320	22	350	13X20	241	0.20	130
SK350M0022A5S-1320	22	350	13X20	241	0.20	130
SK350M0022B5F-1320	22	350	13X20	241	0.20	130
SK350M0022A5F-1320	22	350	13X20	241	0.20	130
SK350M0033B5S-1325	33	350	13X25	357	0.20	170
SK350M0033A5S-1325	33	350	13X25	357	0.20	170
SK350M0033B7F-1625	33	350	16X25	357	0.20	170
SK350M0033A7F-1625	33	350	16X25	357	0.20	170
SK350M0047B7F-1625	47	350	16X25	504	0.20	220
SK350M0047A7F-1625	47	350	16X25	504	0.20	220
SK350M0100B7F-1636	100	350	16X36	1060	0.20	320
SK350M0100B7F-1836	100	350	18X36	1063	0.20	360
SK400M0R47BZF-0611	0.47	400	6.3X11	16	0.20	14
SK400M0R47AZF-0611	0.47	400	6.3X11	16	0.20	14
SK400M0R47A5F-0611	0.47	400	6.3X11	16	0.20	14
SK400M1R00BZF-0611	1	400	6.3X11	22	0.20	16
SK400M1R00AZF-0611	1	400	6.3X11	22	0.20	16
SK400M1R00A5F-0611	1	400	6.3X11	22	0.20	16
SK400M1R00B3F-0811	1	400	8X11	22	0.20	19
SK400M1R00A3F-0811	1	400	8X11	22	0.20	19
SK400M1R00A5F-0811	1	400	8X11	22	0.20	19
SK400M2R20B3F-0811	2.2	400	8X11	36	0.20	26
SK400M2R20A3F-0811	2.2	400	8X11	36	0.20	26
SK400M2R20A5F-0811	2.2	400	8X11	36	0.20	26
SK400M2R20B5S-1012	2.2	400	10X12	36	0.20	33
SK400M2R20A5S-1012	2.2	400	10X12	36	0.20	33
SK400M3R30B5S-1012	3.3	400	10X12	50	0.20	40
SK400M3R30A5S-1012	3.3	400	10X12	50	0.20	40
SK400M4R70B5S-1015	4.7	400	10X15	66	0.20	45

Table 1-20 SK Type, Standard Ratings and Catalog Number (Life: 85ºC,2000Hr.)

Catalog Number	Capa-citance (μF)	Rated Voltage (V.DC)	Size (mm) D X L	Leakage Current (μA)	Dissipation Factor (Tan δ)	Ripple 85ºC 120 Hz (mA)
SK400M4R70A5S-1015	4.7	400	10X15	66	0.20	45
SK400M0010B5S-1015	10	400	10X15	130	0.20	50
SK400M0010A5S-1015	10	400	10X15	130	0.20	50
SK400M0010B5S-1019	10	400	10X19.5	130	0.20	56
SK400M0010A5S-1019	10	400	10X19.5	130	0.20	56
SK400M0010B5S-1320	10	400	13X20	130	0.20	70
SK400M0010A5S-1320	10	400	13X20	130	0.20	70
SK400M0022B5S-1320	22	400	13X20	274	0.20	100
SK400M0022A5S-1320	22	400	13X20	274	0.20	100
SK400M0022B5S-1325	22	400	13X25	274	0.20	110
SK400M0022A5S-1325	22	400	13X25	274	0.20	110
SK400M0022B7F-1625	22	400	16X25	274	0.20	130
SK400M0022A7F-1625	22	400	16X25	274	0.20	130
SK400M0033B5S-1325	33	400	13X25	406	0.20	140
SK400M0033A5S-1325	33	400	13X25	406	0.20	140
SK400M0033B7F-1620	33	400	16X20	406	0.20	145
SK400M0033A7F-1620	33	400	16X20	406	0.20	145
SK400M0033B7F-1625	33	400	16X25	406	0.20	170
SK400M0033A7F-1625	33	400	16X25	406	0.20	170
SK400M0047B7F-1625	47	400	16X25	574	0.20	180
SK400M0047A7F-1625	47	400	16X25	574	0.20	180
SK400M0047B7F-1632	47	400	16X32	574	0.20	220
SK400M0047B7F-1636	47	400	16X36	574	0.20	220
SK400M0068B7F-1825	68	400	18X25	826	0.20	236
SK400M0100B7S-1636	100	400	16X36	1210	0.20	320
SK400M0100B7F-1836	100	400	18X36	1210	0.20	360
SK450M0R47BZF-0611	0.47	450	6.3X11	16	0.20	14
SK450M0R47AZF-0611	0.47	450	6.3X11	16	0.20	14
SK450M0R47A5F-0611	0.47	450	6.3X11	16	0.20	14
SK450M1R00BZF-0611	1	450	6.3X11	7.5	0.20	15
SK450M1R00AZF-0611	1	450	6.3X11	7.5	0.20	15
SK450M1R00A5F-0611	1	450	6.3X11	7.5	0.20	15
SK450M1R00B3F-0811	1	450	8X11	24	0.20	19
SK450M1R00A3F-0811	1	450	8X11	24	0.20	19
SK450M1R00A5F-0811	1	450	8X11	24	0.20	19
SK450M2R20B5S-1012	2.2	450	10X12	40	0.20	33
SK450M2R20A5S-1012	2.2	450	10X12	40	0.20	33
SK450M3R30B5S-1015	3.3	450	10X15	55	0.20	42
SK450M3R30A5S-1015	3.3	450	10X15	55	0.20	42
SK450M4R70B5S-1015	4.7	450	10X15	74	0.20	50
SK450M4R70A5S-1015	4.7	450	10X15	74	0.20	50
SK450M4R70B5S-1019	4.7	450	10X19.5	74	0.20	50
SK450M4R70A5S-1019	4.7	450	10X19.5	74	0.20	50
SK450M6R80B5S-1015	6.8	450	10X15	102	0.20	50

Table 1-21 SK Type, Standard Ratings and Catalog Number (Life: 85ºC,2000Hr.)

Catalog Number	Capa-citance (Mf)	Rated Voltage (V.DC)	Size (mm) D X L	Leakage Current (Ma)	Dissipation Factor (Tan δ)	Ripple 85ºC 120 Hz (Ma)
SK450M6R80A5S-1015	6.8	450	10X15	102	0.20	50
SK450M6R80B5S-1019	6.8	450	10X19.5	102	0.20	56
SK450M6R80A5S-1019	6.8	450	10X19.5	102	0.20	56
SK450M0010B5S-1320	10	450	13X20	145	0.20	60
SK450M0010A5S-1320	10	450	13X20	145	0.20	60
SK450M0010B5S-1325	10	450	13X25	145	0.20	75
SK450M0010A5S-1325	10	450	13X25	145	0.20	75
SK450M0015B5S-1320	15	450	13X20	212.5	0.20	77
SK450M0015A5S-1320	15	450	13X20	212.5	0.20	77
SK450M0022B7F-1620	22	450	16X20	307	0.20	100
SK450M0022B7F-1620	22	450	16X20	307	0.20	100
SK450M0022B7F-1625	22	450	16X25	307	0.20	110
SK450M0022B7F-1625	22	450	16X25	307	0.20	110
SK450M0022B7F-1632	22	450	16X32	307	0.20	130
SK450M0033B7F-1625	33	450	16X25	456	0.20	145
SK450M0033B7F-1632	33	450	16X32	456	0.20	160
SK450M0033B7F-1636	33	450	16X36	456	0.20	180
SK450M0047B7F-1840	47	450	18X40	645	0.20	230
SK450M0047B7F-1836	47	450	18X36	645	0.20	200
SK450M0068B7F-1832	68	450	18X32	928	0.20	265
SK450M0100BPF-2240	100	450	22X40	1360	0.20	370

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