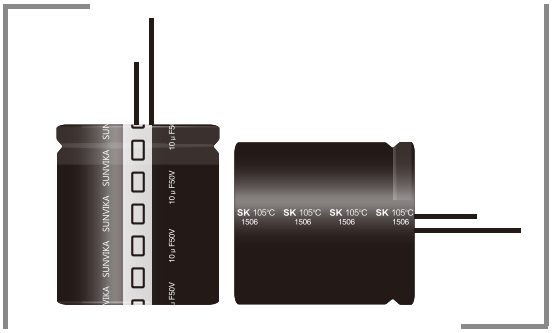
SK 系 列 SERIES

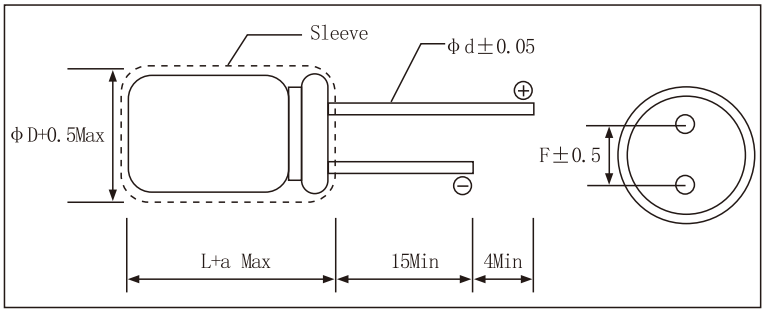
- Miniature series 7mm height
- Endurance:105℃ 2,000 hours
- Wide temperature range of -40℃+105℃
- RoHS Compliant



◆ SPECIFICATION

Items	Characteristics
Operating Temperature Range(℃)	−40 ~ +105℃
Voltage range（V）	6.3～63V
Capacitance Range（μF）	1～220μF
Capacitance Tolerance	±20%　（at20℃,120Hz）
leakage current（μA）	I≤0.01CRUR or 3 μA whichever is greater.(After 2 minutes at 20℃ application of ratedvoltage)
Dissipation Factor(Tan δ)	WV(V) 6.3 / 10 / 16 / 25 / 35 / 50 / 63 Tan δ (max) 0.24 / 0.21 / 0.18 / 0.15 / 0.13 / 0.12 / 0.10 （at 20℃,120Hz）
Low Temperature Characteristics	Rated Voltage (V) 6.3 / 10 / 16 / 25 / 35 / 50 / 63 Z−25℃/Z+20℃ 4 / 3 / 2 Z−40℃/Z+20℃ 8 / 6 / 4 / 3 (at 120Hz)
Load Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after subjected to DC voltage with the rated rippled current is applied for 2000 hours at 105℃ . Capacitance change: ≤±25% of the initial value D.F.(Tan δ): ≤200% of the initial specified value Leakage current: ≤The initial specified value
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1,000 hours at 105℃ without voltage applied .Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C Capacitance change: ≤±20% of the initial value D.F.(Tan δ): ≤ 200% of the initial specified value Leakage current: ≤200%The initial specified value

◆ DIMENSIONS(mm)



◆ Frequency Coefficient

Frequency	50Hz	120Hz	300Hz	1KHz	10KHz~
Coefficient	0.70	1.00	1.17	1.36	1.50

ΦD	4	5	6.3	8.0
F	1.5	2.0	2.5	3.5
Φd	0.45	0.45	0.45	0.5
a	1.0	1.0	1.0	1.0

SK 系列 SERIES

◆SPECIFICATION

UR (Surge Voltage) Code	Rated Capaci-tance	Dissipation Factor 20℃120Hz	Rated Ripple Current 105℃120Hz	Size φD×L
(V)	(μF)	tanδ	(mA rms)	(mm)
6.3 (8)	22	0.22	28	4×7
	33	0.22	32	4×7
		0.22	35	5×7
	47	0.22	47	5×7
	68	0.22	50	5×7
	100	0.22	75	6.3×7
	220	0.22	92	8×7
10 (13)	22	0.19	32	4×7
	33	0.19	48	5×7
	47	0.19	51	5×7
	68	0.19	68	6.3×7
	100	0.19	80	6.3×7
		0.19	95	8×7
	220	0.19	130	8×7
16 (20)	10	0.16	28	4×7
	22	0.16	35	4×7
		0.16	42	5×7
	33	0.16	50	5×7
	47	0.16	67	6.3×7
	68	0.16	70	6.3×7
		0.16	78	8×7
	100	0.16	110	8×7
25 (32)	4.7	0.14	17	4×7
	6.8	0.14	19	4×7
	10	0.14	28	4×7
		0.14	33	5×7
	22	0.14	43	5×7
		0.14	45	6.3×7
	33	0.14	62	6.3×7
	47	0.14	75	8×7
	68	0.14	80	8×7
	100	0.14	115	8×7
35 (44)	4.7	0.12	22	4×7
	6.8	0.12	24	4×7
		0.12	28	5×7
	10	0.12	35	5×7
	22	0.12	60	6.3×7
	33	0.12	50	6.3×7
		0.12	68	8×7
	47	0.12	80	8×7
	68	0.12	85	8×7

SK 系 列 SERIES

◆ SPECIFICATION

UR (Surge Voltage) Code	Rated Capaci-tance	Dissipation Factor 20℃120Hz	Rated Ripple Current 105℃120Hz	Size ϕD × L
(V)	(μF)	tan δ	(mA rms)	(mm)
50 (63)	0.1	0.10	1.5	4×7
	0.22	0.10	2.5	4×7
	0.33	0.10	3.5	4×7
	0.47	0.10	5	4×7
	0.68	0.10	7	4×7
	1	0.10	10	4×7
	2.2	0.10	20	4×7
	3.3	0.10	26	4×7
	4.7	0.10	27	4×7
		0.10	29	5×7
	10	0.10	38	6.3×7
	22	0.10	63	8×7
	33	0.10	78	8×7
63 (79)	0.1	0.09	1.5	4×7
	0.22	0.09	2.5	4×7
	0.33	0.09	3.5	4×7
	0.47	0.09	6	4×7
	1	0.09	12	4×7
	2.2	0.09	20	4×7
	3.3	0.09	28	5×7
	4.7	0.09	33	6.3×7
	10	0.09	40	6.3×7
	22	0.09	65	8×7

Customer products are available on request