

# SK series



## Features

- ★ This series has advanced characteristics in resistance to heat compared with the SK series.
- ★ Suitable for use in device reliability.
- ★ Lead free-flow is supported.

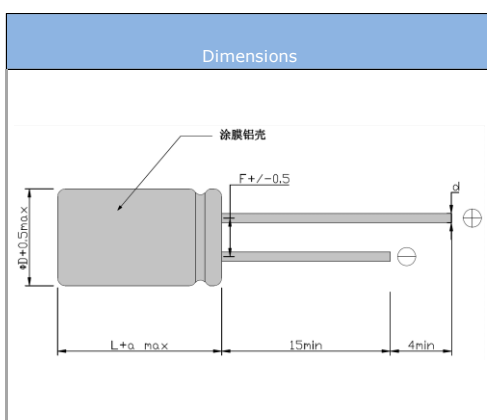
SK系列为耐高温高压固态电容，具有优异的热稳定性，可承受135℃环境温度，满足无铅回流焊条件。

## Specifications

item	Performance Characteristics	
Operating Temperature Range	-55~+135℃	
Rated Voltage Range	35~100vdc	
Capacitance Tolerance	±20%(120Hz,+20℃)	
Leakage Current(+20℃,max)	≤ 0.2CV or 500uA whichever is greater (After rated voltage applied for 2 minutes)	
Dissipation Factor(tanδ,at 20℃,120Hz)	Not exceed the value specified	
ESR(100KHz)	Not exceed the value specified	
Endurance 135℃,1000h,at rated voltage	Capacitance Change	Within ±20% of the value before test
	Leakage Current	Not exceed the value specified
	ESR	Not exceed 150% of the value specified
	Dissipation Factor	Not exceed 150% of the value specified
Moisture Resistance Stored at 60℃,RH90~95%,1000h	Capacitance Change	Within ±20% of the value before test
	Leakage Current	Not exceed the value specified
	ESR	Not exceed 150% of the value specified
	Dissipation Factor	Not exceed 150% of the value specified

## Frequency Coefficient for Ripple Current

Frequency	120Hz≤freq.<1KHz	1KHz≤freq.<10KHz	10KHz≤freq.<100KHz	100KHz≤freq.<300KHz
Coefficient	0.05	0.3	0.7	1



## Size

Unit: mm

ΦDXL	ΦD±0.5 max.	a	F±0.5	Φd±0.05	
5X7/8	5	1	2	0.45/0.5	
5X9/10/11	5	1	2	0.5	
5X7E/9E/10E/11E	5.5	1	2.5	0.5	
6.3X5/6/7/8/9	6.3	1	2.5	0.5/0.6	
6.3X11/12/14	6.3	1	2.5	0.6	
8X7/8	8	1	3.5	0.6	
8X8P/11P/12P	8	1.5	2.5	0.6	
8X11.5/12.5/15	8	1.5	3.5	0.6	
10X11.5/12.5/13.5/15	10	1.5	5	0.6	

**Dimensions & Characteristics**

Ripple Current(mA.rms) at 105℃,100KHz

W.V (V)	Capacitance (uF)	LC. (uA,2min)	tgδ (120Hz,20℃)	ESR (mΩ,100KHz)	Rated Ripple Current (mA,rms)	Size ΦDXL(mm)	Part Number
35	10	300	12	45	2000	6.3X8	SK106M035E0800
35	22	300	12	35	2600	8X8	SK226M035F0800
35	47	329	12	30	2980	8X11.5	SK476M035F1150
35	68	476	12	30	3800	10X12.5	SK686M035G1250
35	100	700	12	30	3800	10X12.5	SK107M035G1250
50	22	300	12	45	2600	8X8	SK226M050F0800
50	39	390	12	45	2700	8X11.5	SK396M050F1150
50	56	560	12	45	2900	10X12.5	SK566M050G1250
63	22	300	12	45	2700	8X11.5	SK226M063F1150
63	39	491.4	12	45	2900	10X12.5	SK396M063G1250
63	56	705.6	12	45	2900	10X12.5	SK566M063G1250
80	10	300	12	45	1700	6.3X8	SK106M080E0800
80	22	352	12	45	2700	8X11.5	SK226M080F1150
80	47	752	12	45	2900	10X12.5	SK476M080G1250
100	4.7	300	12	45	1700	8X8	SK475M100F0800
100	10	300	12	45	1900	8X11.5	SK106M100F1150