

SK Series

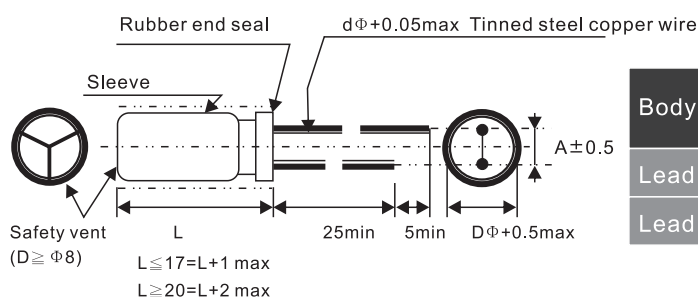
• 85°C , 2000 hours standard series



• SPECIFICATIONS

Items	Characteristics									
Category Temperature Range	- 40 to +85°C									
Rated Voltage Range	6.3v to 100Vdc									
Capacitance Tolerance	± 20% (M) (at 20°C , 120Hz)									
Leakage Current	I=0.01CV or 3 μA , whichever is greater. Where, I :Max. Leakage current (μA). C : Nominal capacitance (μF) .V :Rated voltage(V) (at 20°C , after 2 minutes)									
Dissipation Factor (tan δ)	Rated voltage (Vdc)	6.3V	10V	16V	25V	35V	50V	63V	100V	
	tan δ (Max.)	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08	(at 20°C , 120Hz)
Low Temperature Characteristics	Impedance ration max at 120Hz									
	Working voltage	6.3v	10v	16v	25v	35v	50v	63v	100v	
	Z-25°C/ Z+20°C	6	5	5	4	4	4	4	4	
	Z-40°C/ Z+20°C	10	8	6	4	4	3	3	3	
Load. Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the voltage is applied for 2000 hours at 85°C									
	Capacitance change	≤ ±20% of the initial value								
	DF (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°C after exposing them for 1000 hours at 85°C without voltage applied.									
	Capacitance change	≤ ±20% of the initial value								
	DF (tan δ)	≤ 200 % of the initial specified value								
	Leakage current	≤ The initial specified value								
Ripple Current Multiplier	Temperature coefficient									
	Temperature(°C)	~55	60	70	85					
	Factor	1.65	1.50	1.30	1.00					
	Frequency coefficient									
	cap \ freq	60	120	1k	10k	100k				
	~100	0.70	1.00	1.40	1.50	1.50				
	100~1000	0.75	1.00	1.30	1.35	1.35				
1000up	0.80	1.00	1.12	1.15	1.15					

• Diagram: (Unit: mm)



Body Dia ΦD	5	6	8	10	13		16	18
					L ≤ 21	L ≥ 25		
Lead Dia Φd	0.5			0.6	0.6	0.8	0.8	0.8
Lead Space A	2	2.5	3.5	5		7.5		7.5/10



● STANDARD RATING

μF \ Vdc	6.3		10		16		25		35		50		63		100	
0.1											5*11	1.5				
0.22											5*11	3.5				
0.33											5*11	5.0				
0.47											5*11	7.0			5*11	12
1.0											5*11	15	5*11	15	5*11	22
2.2											5*11	29	5*11	31	5*11	33
3.3											5*11	35	5*11	37	5*11	40
4.7											5*11	42	5*11	45	5*11	48
10											5*11	65	5*11	70	6.3*11	80
22											5*11	95	6.3*11	115	8*12	135
33							5*11	100	5*11	105	5*11 6.3*11	125	6.3*11	140	10*12.5	195
47					5*11	110	5*11	115	6.3*11	145	6.3*11	150	8*12	190	10*16	225
100	5*11	130	5*11	145	5*11 6.3*11	180	6.3*11	190	8*12	240	8*12	255	10*12.5	300	10*20	400
220	6.3*11	230	6.3*11	250	6.3*11	300	8*12	320	8*16	370	10*17	440	10*20	490	13*25	710
330	6.3*11	280	6.3*11	350	8*12	360	8*14 8*16	420	10*17	490	10*20	580	13*20	680	16*25	860
470	6.3*11 8*12	380	8*12	415	8*12	470	8*14 8*16	540	10*20	640	13*20	760	13*25	880	16*32	1,100
1,000	8*12	650	8*16	790	8*16 10*17	790	10*20	950	13*21	1,100	13*25	1,350	16*32	1,500		
2,200	10*20	1,150	10*20	1,240	13*21	1,350	13*25	1,550	16*32	1,800	16*36	2,160				
3,300	10*20	1,380	10*25 13*20	1,590	13*25 13*30	1,700	16*32	1,950	16*32 16*36	2,120 2,200	18*36	2,420				
4,700	13*25	1,880	13*25	1,980	16*32	2,100	16*36	2,330	18*36	2,400	18*40	2,640				
6,800	16*25	2,120	16*32	2,390	18*36	2,500	18*36	2,500								
10,000	16*32	2,500	18*36	2,840	18*36	2,700										
15,000	18*36	2,830														

Case size $\Phi D \times L$ (mm)
Rated ripple current (mA rms) at 85°C, 120Hz

Chip Type SMD
Miniature Type
General Purpose
High Frequency Low Impedance
High Voltage High Reliability
Non-polar Type
Large Size Snap-in
Large Size Screw
X Metallized Polypropylene Film Capacitors