

SK series

- 105°C 2000hours, standard product.
- RoHS Compliance
- 105°C 2000小時 標準品



SPECIFICATIONS

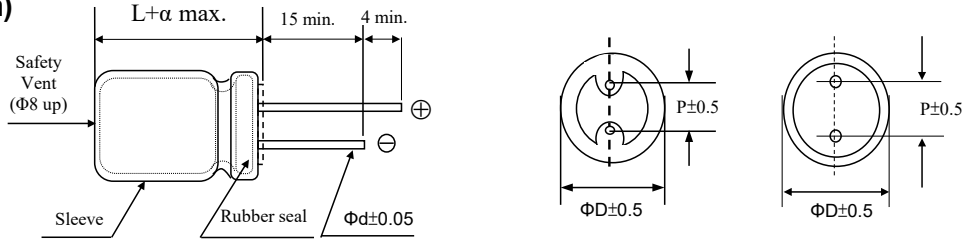
Items 項目	Characteristics 特性													
Capacitance Tolerance 靜電容量誤差	± 20%(120Hz,20°C)													
Operating Temperature Range 適用溫度範圍	-40 ~ +105°C				-40 ~ +105°C				-25 ~ +105°C					
Rated Voltage Range 額定電壓範圍	6.3 ~ 100VDC				160~400VDC				420 ~ 600VDC					
Leakage Current 洩漏電流	I ≤ 0.01CV or 3 (µA) which is greater. (After 2 minutes application of DC rated voltage, at 20 °C)						I ≤ 0.03CV +20 (µA) (After 3 minutes application of DC rated voltage, at 20 °C)							
Dissipation Factor 散逸因素(tan δ)	Measurement Frequency: 120Hz. Temperature: 20°C													
	Rated Voltage(V)	6.3	10	16	25	35	50	63	80	100	130	160~250	350~500	600
	tan δ(Max)	0.24	0.20	0.16	0.15	0.12	0.10	0.09	0.08	0.08	0.08	0.20	0.25	0.25
	When nominal capacitance over 1000µF, tanδ shall be added 0.02 to the listed value with increase of every 1000µF .													
Low Temperature Stability 低溫特性 Impedance Ratio(Max) 阻抗比率(最大值)	Measurement Frequency: 120Hz.													
	Rated voltage(V)	6.3	10	16	25	35	50~100	160~250	350~400	450~500				
	Z(-25°C)/(20°C)	5	4	3	2	2	2	3	6	15				
	Z(-40°C)/(20°C)	10	8	6	4	3	3	4	-	-				
Load Life 負荷壽命	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied for 2,000 hours at 105°C.													
	Capacitance Change	Within ± 20% of Initial Value												
	tan δ	200% or less of Initial Specified Value												
	Leakage Current	Initial Specified Value or less												
Shelf Life 放置壽命	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours 105°C without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to them 4.1 of JIS C5101-4.													
	Capacitance Change	Within ± 20% of Initial Value												
	tan δ	200% or less of Initial Specified Value												
	Leakage Current	Initial Specified Value or less												
Standards 參照標準	IEC 60384-4(JIS C 5101-4)													

Frequency Coefficient of Permissible Ripple Current

Rated Voltage (V)	Capacitance (µF)	Frequency (Hz)			
		50	120	1K	≥20K
≤ 100	< 100	0.75	1.00	1.40	1.50
	100 ~ 470	0.75	1.00	1.20	1.30
	> 470	0.85	1.00	1.10	1.15
≥ 160	0.47 ~ 470	0.75	1.00	1.10	1.50

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DIMENSIONS(mm)



ΦD	5	6.3	8	10	12.5	16	18	22	25
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5	10.0	12.5
Φd	0.5	0.5	0.5	0.6	0.6	0.8	0.8	0.8	1.0

α	(L < 20) 1.5
	(L ≥ 20) 2.0

STANDARD RATINGS

D×L(mm) ; R.C.(mA rms) at 105°C 120Hz.

Cap (μF)	V	6.3		10		16		25		35		50		63		100	
		Item	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L
0.47												5x11	11	5x11	12	5x11	17
1												5x11	15	5x11	17	5x11	20
2.2												5x11	24	5x11	25	5x11	30
3.3												5x11	30	5x11	31	5x11	36
4.7								5x11	30	5x11	31	5x11	36	5x11	37	5x11	44
6.8								5x11	35	5x11	37	5x11	46	5x11	51	5x11	45
10						5x11	42	5x11	43	5x11	47	5x11	54	5x11	58	5x11	50
22	5x11	54	5x11	59	5x11	63	5x11	65	5x11	75	5x11	83	5x11	75	6.3x11	95	
33	5x11	66	5x11	77	5x11	79	5x11	83	5x11	91	5x11	88	6.3x11	116	8x11.5	133	
47	5x11	78	5x11	87	5x11	94	5x11	97	5x11	93	6.3x11	145	6.3x11	120	8x11.5	165	
56	5x11	90	5x11	100	5x11	105	5x11	109	6.3x11	110	6.3x11	151	8x11.5	155	10x16	187	
68	5x11	102	5x11	119	5x11	145	5x11	151	6.3x11	127	6.3x11	196	8x11.5	172	10x12.5	190	
100	5x11	111	5x11	139	6.3x11	151	5x11	155	6.3x11	230	8x11.5	219	8x11.5	200	10x16	270	
220	5x11	175	5x11	155	6.3x11	190	6.3x11	200	8x11.5	300	10x12.5	300	10x16	375	12.5x20	450	
330	6.3x11	233	6.3x11	210	6.3x11	225	8x11.5	328	10x12.5	385	10x16	450	10x20	540	12.5x25	520	
470	6.3x11	266	6.3x11	250	8x11.5	315	8x15	380	10x16	460	10x20	580	12.5x20	720	16x25	720	
560	8x11.5	272	8x11.5	306	8x14	387	10x16	448	10x20	629	12.5x20	774	12.5x25	871	16x35.5	1012	
680	8x11.5	278	8x11.5	319	8x15	424	10x20	581	12.5x20	702	12.5x25	726	16x25	1004	18x31.5	1210	
1000	8x11.5	390	10x12.5	460	10x12.5	500	10x16	650	12.5x20	908	12.5x25	1089	16x25	1020	18x35.5	1573	
1500	8x20	545	10x20	592	10x20	641	12.5x20	1017	12.5x25	1041	16x31.5	1410	18x31.5	1718			
2200	10x16	635	10x16	705	10x20	710	12.5x25	1132	16x25	1314	16x31.5	1452	18x35.5	1997			
3300	10x20	840	12.5x20	1000	12.5x25	1170	16x25	1428	16x31.5	1500	18x35.5	1997	22x40	2347			
4700	12.5x20	1090	12.5x25	1260	16x25	1500	16x25	1520	16x35.5	1780	22x40	2541	22x50	2965			
5600										22x25	1900						
6800	12.5x25	1350	16x25	1570	16x25	1600	16x35.5	1750	18x40	2000	22x50	3025					
10000	16x25	1650	16x31.5	1820	16x35.5	1930	18x40	2350	22x50	3207							
15000	16x31.5	1820	16x35.5	2050	18x40	2210	22x50	3328									
22000	18x35.5	2280	18x40	2420	22x50	3630											

Cap (μF)	V	160		200		250		350		400		450		500	
		Item	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L
2.2	6.3x11	35	6.3x11	35	8x11.5	72	8x11.5	56	10x12.5	54	10x16	75			
3.3	8x11.5	72	8x11.5	72	8x11.5	78	10x12.5	85	10x12.5	69	10x16	102	10x20	42	
4.7	8x11.5	75	8x11.5	75	10x12.5	110	10x12.5	90	10x16	120	10x20	130	10x20	56	
6.8	8x11.5	78	8x11.5	78	10x12.5	120	10x12.5	95	10x16	125	12.5x20	155	12.5x20	105	
10	10x12.5	92	10x16	145	10x16	145	10x20	150	10x20	145	12.5x20	165	12.5x20	110	
22	10x16	145	10x20	210	12.5x20	245	12.5x20	210	12.5x25	252	12.5x25	235	16x25	250	
33	10x20	210	12.5x20	240	12.5x20	260	12.5x25	245	16x25	370	16x25	380	16x31.5	280	
47	12.5x20	245	12.5x20	245	12.5x20	270	16x25	405	16x25	375	16x31.5	450	18x35.5	320	
68	12.5x20	255	12.5x25	250	16x25	270	16x25	430	16x31.5	475	18x31.5	585	18x45	360	
82	12.5x25	270	12.5x25	300	16x25	310	16x31.5	480	18x26	480	18x35.5	650			
100	12.5x25	290	16x25	430	16x25	480	18x31.5	580	18x31.5	580	18x40	720			
120	16x25	530	16x25	530	16x31.5	650	18x35.5	650	18x35.5	650	18x40	750			
150	16x25	540	16x31.5	570	18x31.5	730	18x40	750	18x40	720	22x45	785			
220	16x31.5	550	16x35.5	620	18x35.5	750									
330	18x35.5	810	18x40	800											
470	18x40	1050	22x40	1100											

SK

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- 105°C 2000hrs Standard.
- For LCD-TV and LCD-Monitor Power.
- RoHS Compliance.
- 105°C 耐高溫標準品，高壓400~500V，壽命2000小時。
- 使用於LCD TV與LCD Monitor電源應用。



SPECIFICATIONS

DxL(mm), R.C.(mA rms) at 105°C 120 Hz.

Cap (µF)	V Item	400		450		500	
		D x L	R.C.	D x L	R.C.	D x L	R.C.
22		8x50	158	8x50	168	12.5x40	158
		10x30	150	10x35	153		
33		8x61	210	8x61	218	12.5x45	162
		10x40	192	10x45	198		
39		8x61	258	8x61	287	14.5x45	160
		10x45	235	10x50	250		
		12.5x35	250	12.5x40	265		
47		10x50	285	10x50	335	14.5x45	163
		12.5x40	282	12.5x45	305		
		14.5x30	278	14.5x30	290		
53		10x50	305	10x50	400	16x50	178
68		12.5x45	340	14.5x40	460		
		14.5x30	330	16x35.5	490		
82		12.5x50	365	14.5x50	460		
		14.5x40	385	16x40	490		
100		14.5x45	468	14.5x50	620		
				16x50	640		
120		14.5x50	550	16x50	650		