

SKA series

- On the basis of SK series ripple promotion product.
- Suitable for LCD TV Power, SMPS.
- RoHS Compliance.
- SK系列紋波提升品。
- 適用於液晶顯示電源及開關電源等。



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		-25 ~ +105°C		
Rated Voltage Range 額定電壓範圍	400VDC		450 ~ 500VDC		
Leakage Current 洩漏電流	$I \leq 0.03CV + 20 (\mu A)$ (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)	400	450	460	500
	tan δ(Max)	0.15	0.20	0.20	0.20
	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)	400	450	460	500
	Z(-25°C)/Z(20°C)	3	3	6	6
	Z(-40°C)/Z(20°C)	6	-	-	-
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	JIS C 5101-4-1 (IEC 60384)				

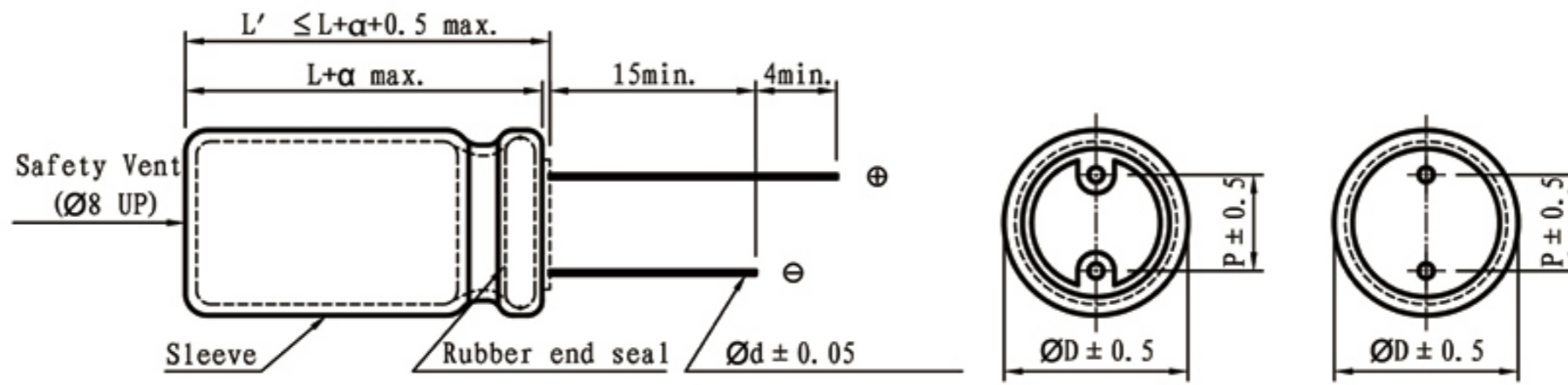
Frequency Coefficient of Permissible Ripple Current

Capacitance (μF)	Frequency (Hz)				
	120	10K	30K	50K	100K
10 ~ 150	1.00	1.50	1.60	1.75	2.00

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5°C rise. When long life performance is required in actual use . The rms ripple current has to be reduced.

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DIMENSIONS(mm)



ϕD	10	13	16	18	20	22
P	5.0	5.0	7.5	7.5	10	10
ϕd	0.6	0.6	0.8	0.8	0.8	0.8

α	(L < 16) 1.0 (L \geq 16) 2.0
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STANDARD RATINGS

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

Cap (μF)	V	400				450				460				500			
		Item	D x L	R.C.		D x L	R.C.		D x L	R.C.		D x L	R.C.				
				120Hz	100KHz		120Hz	100KHz		120Hz	100KHz		120Hz	100KHz			
10		10x16	100	200	10x20	130	260	10x20	120	240	13x21	78	156				
15		10x20	200	400	13x21	200	400	13x21	150	300	13x21	100	200				
22		13x21	280	560	13x21	300	600	13x25	300	600	13x25	190	380				
33		13x21	330	660	13x25	400	800	16x25	400	800	16x25	270	540				
47		13x25	380	760	16x25	500	1000	18x26	500	1000	18x26	300	600				
56		16x25	500	1000	18x26	600	1200	18x26	550	1100	18x32	330	660				
68		16x25	650	1300	18x32	690	1380	18x32	600	1200	18x35	450	900				
82		18x26	750	1500	18x32	750	1500	18x32	650	1300	18x40	560	1120				
100		18x32	800	1600	18x35	780	1560	18x35	750	1500	18x45	650	1300				
120		18x35	850	1700	18x40	850	1700	18x40	800	1600	20x45	700	1400				
150		18x40	900	1800	18x45	900	1800	20x45	827	1654	22x45	750	1500				

※ 13mm may be replaced by 12.5mm upon customer's request.

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