

SKR series

- 105°C 2000 hours high-temperature resistance, high ripple current.
- RoHS Compliance
- 105°C 2000小時壽命，耐高溫、高紋波。



SPECIFICATIONS

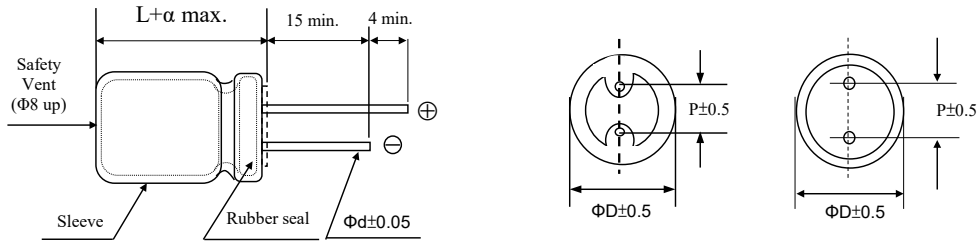
Items 項目	Characteristics 特性			
Capacitance Tolerance 靜電容量誤差	± 20%(120Hz,20°C)			
Operating Temperature Range 適用溫度範圍	-40 ~ +105°C		-25 ~ +105°C	
Rated Voltage Range 額定電壓範圍	160 ~ 400VDC		450VDC	
Leakage Current 洩漏電流	$I \leq 0.03CV + 20 (\mu A)$ (After 3 minutes application of DC rated voltage)			
Dissipation Factor 散逸因素(tan δ)	Measurement Frequency: 120Hz. Temperature: 20°C			
	Rated Voltage(V)	160~250	400~450	
	tan δ (Max)	0.15	0.20	
Low Temperature Stability 低溫特性 Impedance Ratio(Max) 阻抗比率(最大值)	Measurement Frequency: 120Hz.			
	Rated Voltage(V)	160~250	400	450
	Z(-25°C)/Z(20°C)	3	5	6
	Z(-40°C)/Z(20°C)	6	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	IEC 60384-4(JIS C 5101-4)			

Frequency Coefficient of Permissible Ripple Current

Capacitance (μF)	Frequency (Hz)			
	120	1K	10K	100K
22~82	1.00	1.25	1.50	1.75
100~470	1.00	1.15	1.30	1.40

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DIMENSIONS(mm)



ΦD	10	12.5	14.5	16	18	20
P	5.0	5.0	7.5	7.5	7.5	10.0
Φd	0.6	0.6	0.8	0.8	0.8	0.8

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	160		200		250		400		450	
		Item	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L
22								10x30	260	10x35	280
33								10x40	360	12.5x30	375
39								10x45	405	12.5x35	415
47								12.5x35	443	12.5x40	465
							14.5x30			465	
56								12.5x40	510	14.5x35	520
							16x30			520	
68	10x25	375	10x30	485	12.5x25	530		12.5x45	580	14.5x40	600
								14.5x30	580	16x35.5	600
82	10x30	485	10x35	528	12.5x30	595		14.5x40	635	16x40	650
										18x31.5	650
100	10x35	528	10x40	615	16x25	650		14.5x45	690	18x36	700
								18x31.5	690		
120	10x40	615	10x45	710	16x31.5	715		16x40	810	18x40	820
								18x36	810		
150	10x45	710	12.5x35	780	16x35.5	860		18x40	940	18x45	990
										20x40	1000
220	12.5x40	880	12.5x45	995	18x36	1120					
			14.5x35	995							
270	12.5x45	995	16x35.5	1150	18x40	1200					
330	16x35.5	1150	16x40	1320							
			18x31.5	1320							
470	18x40	1270	18x45	1660							

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