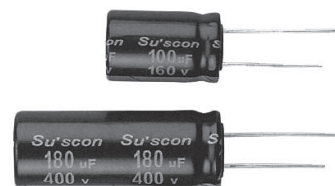


SKR series

- 105°C high-temperature resistance, high ripple current.
- RoHS Compliance.
- 105°C耐高温、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	JIS C 5101-4 (IEC 60384)			

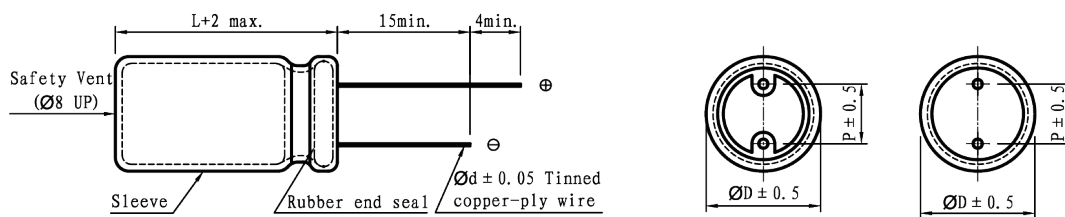
Frequency Coefficient of Permissible Ripple Current

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

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.

SKR series

DIMENSIONS(mm)



ϕD	10	13	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

STANDARD RATINGS

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

Cap (μF)	V Item	160		200		250		400		450	
		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.
22								10x30	260	10x35	280
33								10x40	360	13x30	375
39								10x45	405	13x35	415
47								13x35	443	13x40	465
										14.5x30	465
56								13x40	510	14.5x35	520
										16x30	520
68	10x25	375	10x30	485	13x25	530		13x45	580	14.5x40	600
								14.5x30	580	16x35	600
82	10x30	485	10x35	528	13x30	595		14.5x40	635	16x40	650
										18x32	650
100	10x35	528	10x40	615	16x25	650		14.5x45	690	18x36	700
								18x32	690		
120	10x40	615	10x45	710	16x32	715		16x40	810	18x40	820
								18x36	810		
150	10x45	710	13x35	780	16x35	860		18x40	940	18x45	990
										20x40	1000
220	13x40	880	13x45	995	18x36	1120					
			14.5x35	995							
270	13x45	995	16x35	1150	18x40	1200					
330	16x35	1150	16x40	1320							
			18x32	1320							
470	18x40	1270	18x45	1660							

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

SKR