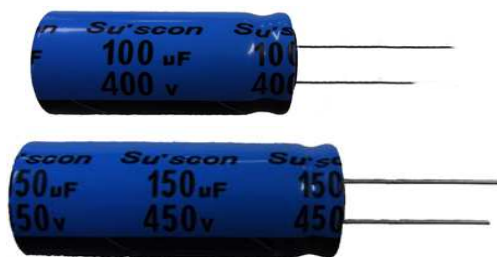


SKR series

- 105°C high-temperature resistance, high ripple current.
- RoHS Compliance.



● **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 工作電壓範圍	160~400V		450V	
Leakage Current 洩漏電流	$I \leq 0.03CV + 20$ (uA), (After 3 minutes application of working 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	Measurement Frequency: 120Hz.			
	Rated Voltage (V)	160~250	400	450
	Impedance Ratio (MAX) Z (-25°C) / Z (20°C)	3	5	6
	阻抗比率(最大值) 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	1000hours, no voltage applied, at 105°C . After Test: U _R to be applied for 30 minutes, 24 to 48 hours before measurement.			
	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 and JIS C 5101-2			

● **Permissible Ripple Current**

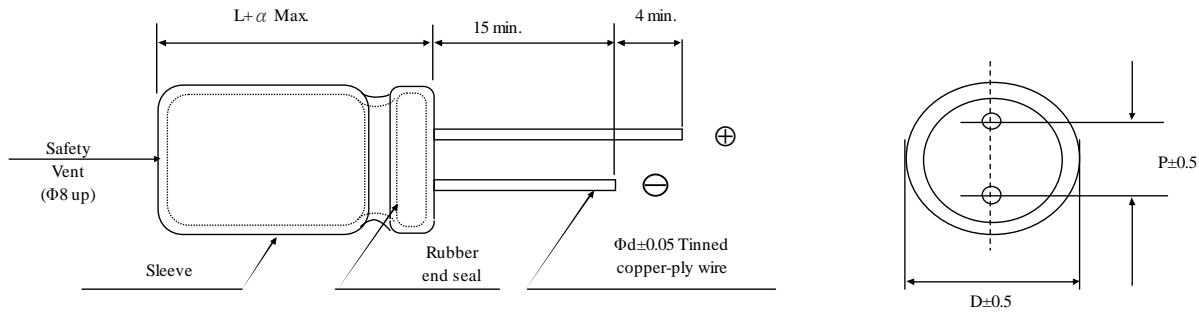
Frequency Coefficient

Capacitance (uF)	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	5	6.3	8	10	13	14.5	16	18	20
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5	7.5	10.0
Φd	0.5	0.5	0.5	0.6	0.6	0.8	0.8	0.8	0.8

a	(L<16)1.0 (L≥16)2.0
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● **STANDARD RATINGS**

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

Cap (uF)	WV (V)	160 (2C)		200 (2D)		250 (2E)		400 (2G)		450 (2W)	
		DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	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	530
										16x30	530
68		10x25	375	10x30	485	13x25	530	13x45	580	14.5x40	650
								14.5x30	580	16x35	650
82		10x30	485	10x35	528	13x30	595	14.5x40	635	16x40	720
										18x32	720
100		10x35	528	10x40	615	16x25	650	14.5x45	690	18x36	800
								18x32	690		
120		10x40	615	10x45	710	16x32	715	16x40	810	18x40	900
								18x36	810		
150		10x45	710	13x35	780	16x35	860	18x40	940	18x45	1065
										20x40	1100
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.