

SJ series

- Enabled high ripple current
Ultra low impedance at high frequency range.
- For computer motherboard.
- 耐高紋波電流，高頻超低阻抗。
- 專為電腦主板設計。



SJ

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			
Rated Voltage Range 工作電壓範圍	6.3 ~ 16V			
Leakage Current 洩漏電流	$I \leq 0.01CV$ or $3\mu A$ (After 2 minutes application of DC working voltage, at 20°C)			
Dissipation Factor 散逸因素 (tan δ)	Measurement Frequency: 120 Hz. Temperature: 20°C			
	Rated Voltage (V)	6.3	10	16
	tan δ (Max)	0.22	0.19	0.16
	When nominal capacitance exceeds 1000 μF , add 0.02 to the value above for each 1000 μF increase. (20°C · 120Hz)			
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
	Z (-40°C) / Z (20°C)	3	3	3
Load Life 負荷壽命	2,000hours, with application of working voltage at 105°C			
	Capacitance Change	Within ± 30% 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	1,000hours, no voltage applied, at 105°C. After Test: U_R to be applied for 30 minutes, 24 to 48hours 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

Temperature Coefficient

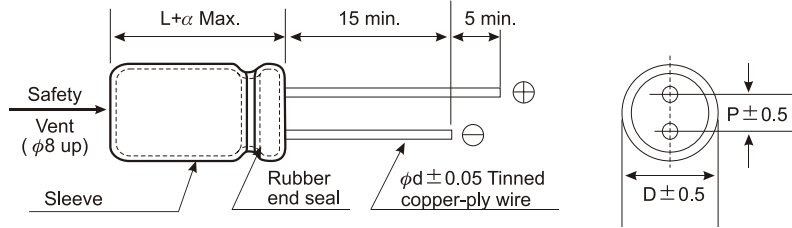
TEMP (°C)	65	75	85	90	105
Coefficient	2.10	1.90	1.70	1.50	1.00

Frequency Coefficient

Capacitance (μF)	Frequency (Hz)				
	50	120	1K	10K	100K
330 ~ 680	0.60	0.70	0.85	0.95	1.00
820 ~ 1800	0.65	0.75	0.90	0.98	1.00
2200 ~ 8200	0.75	0.80	0.95	1.00	1.00

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DIMENSIONS (mm)



φ D	8	10	13	16
P	3.5	5.0	5.0	7.5
φ d	0.5	0.6	0.6	0.8

α	(L < 16) 1.0
	(L ≥ 16) 2.0

STANDARD RATINGS

DxL (mm); R.C.: (mA rms) at 105°C, 100KHz; IMP: (Ω max) at 20°C, 100KHz.

Cap (μF)	VV(V) Code	6.3 (0J)			10 (1A)			16 (1C)		
		D x L	R.C.	IMP	D x L	R.C.	IMP	D x L	R.C.	IMP
330								8x12	1300	0.021
470					8x12	1300	0.021	8x12	1300	0.021
								10x13	1760	0.018
560		8x12	1300	0.021						
680					8x12	1300	0.021	10x13	1760	0.018
								8x20	2220	0.012
					10x13	1760	0.018	10x16	2280	0.011
820		8x12	1300	0.021	10x13	1760	0.018	10x16	2280	0.011
1000		8x16	1700	0.020	10x13	1760	0.018	10x16	2280	0.011
		10x13	1760	0.018	10x16	2280	0.011	8x20	2220	0.012
					8x20	2220	0.012	10x20	2900	0.010
1200		8x16	1700	0.020	10x16	2280	0.011	10x20	2900	0.010
1500		10x13	1760	0.018	10x16	2280	0.011	10x20	2900	0.010
		8x20	2220	0.012						
		10x16	2280	0.011	8x20	2220	0.012			
1800		10x16	2280	0.011	10x20	2900	0.010	10x25	3190	0.009
		8x20	2220	0.012				13x21	3190	0.009
2200		10x16	2280	0.011	10x25	3190	0.009	13x21	3190	0.009
		10x20	2900	0.010	13x21	3190	0.009	13x25	3370	0.008
2700		10x20	2900	0.010	13x21	3190	0.009	13x25	3370	0.008
3300		10x25	3190	0.009	13x25	3370	0.008	16x26	3610	0.007
		13x21	3190	0.009						
4700		13x21	3190	0.009	13x25	3370	0.008			
5600		13x25	3370	0.008	16x26	3610	0.007			
8200		16x26	3610	0.007						

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