

CN series

- 85°C 1000 hours, Non-polarity V-chip.
- Applicable to SMT process.
- RoHS Compliance.
- 85°C 1000小時, V-Chip 無極性產品。
- 適用於SMT製程。



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	-55 ~ +85°C							
Rated Voltage Range 額定電壓範圍	6.3 ~ 50VDC							
Capacitance Range 靜電容量範圍	0.1 ~ 100μF							
Leakage Current 洩漏電流	I ≤ 0.03CV or 5 (μA) , which is greater. (After 2 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)	6.3	10	16	25	35	50	
	tan δ(Max)	0.30	0.25	0.20	0.17	0.15	0.15	
Low Temperature Stability 低溫特性	Measurement Frequency: 120Hz.							
	Rated Voltage(V)	6.3	10	16	25	35	50	
	Impedance Ratio(Max) 阻抗比率(最大值)	Z(-25°C)/Z(20°C)	4	3	2	2	2	2
		Z(-55°C)/Z(20°C)	8	6	4	4	3	3
Load Life 負荷壽命	1000hours,with application of rated voltage at 85°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 85°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						
Resistance to Soldering Heat 焊錫耐熱性	The capacitors shall be kept on the hot plate maintained at 250°C for 30 seconds. After removing from the hot plate and restored at room temperature they meet the characteristics requirements listed at right.			Capacitance Change	Within ± 10% of Initial Value			
				tan δ	Initial Specified Value			
				Leakage Current	Initial Specified Value or less			
Standards 參照標準	IEC 60384-4 (JIS C 5101-4)							

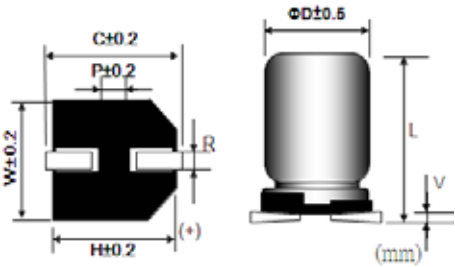
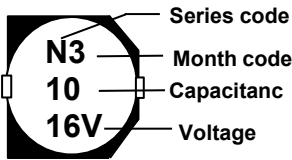
Frequency Coefficient of Permissible Ripple Current

Frequency (Hz)	50	120	300	1K	$\geq 10K$
Coefficient	0.70	1.00	1.17	1.36	1.50

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DIMENSIONS(mm)

■ Chip Type



(mm)

Size	ΦD	L	W	H	C	R	P	Vmax
4x5.4	4.0	5.4±0.3	4.3	4.3	5.1	0.5~0.8	1.0	0.3
5x5.4	5.0	5.4±0.3	5.3	5.3	5.9	0.5~0.8	1.4	0.3
6.3x5.4	6.3	5.4±0.3	6.6	6.6	7.2	0.5~0.8	2.1	0.3

STANDARD RATINGS

DxL(mm), R.C.(mA rms) at 85°C 120 Hz

Cap (μF)	V	6.3		10		16		25		35		50	
		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.	D x L	R.C.
0.1												4x5.4	1.0
0.22												4x5.4	2.0
0.33												4x5.4	2.8
0.47												4x5.4	4.0
1												4x5.4	8.4
2.2										4x5.4	8.4	5x5.4	13
3.3								5x5.4	12	5x5.4	16	5x5.4	17
4.7						4x5.4	12	5x5.4	16	5x5.4	18	6.3x5.4	20
10				4x5.4	17	5x5.4	23	6.3x5.4	27	6.3x5.4	29	6.3x5.4	40
22		4x5.4	28	4x5.4	33	5x5.4	37	6.3x5.4	50				
33		6.3x5.4	37	6.3x5.4	41	6.3x5.4	49						
47		6.3x5.4	45	6.3x5.4	54								
100		6.3x5.4	65										

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