

# SURFACE MOUNT ALUMINUM ELECTROLYTIC CAPACITORS



NEW

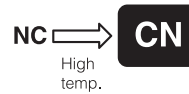
**CN**

Height 5.5mmL, 105°C Non-polarized Series



Solvent Proof

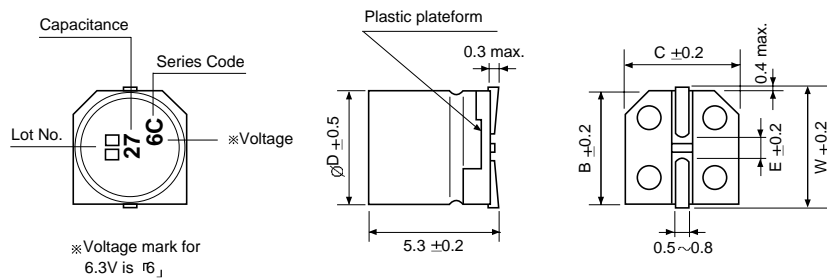
- Chip type, Non-polarized, High temperature (105°C)
- Chip type with 5.5mm height
- Designed for surface mounting on high density PC board
- Applicable to automatic insertion machine using carrier tape



Item	Characteristics						
Operating temperature range	-40 ~ +105℃						
Leakage current max.	I = 0.01CV or 3 $\mu$ A whichever is greater (after 2 minutes)						
Capacitance tolerance	±20% at 120Hz, 20℃						
Dissipation factor max. (at 120Hz, 20℃)	WV	6.3	10	16	25	35	50
	tan $\delta$	0.32	0.26	0.24	0.20	0.18	0.18
Low temperature characteristics (Impedance ratio at 120Hz)	WV	6.3	10	16	25	35	50
	Z-25℃/Z+20℃	4	3	2	2	2	2
	Z-40℃/Z+20℃	8	6	4	4	3	3
Load life (after application of the rated voltage for 1000 hours at 105℃)	Leakage current			Less than specified value			
	Capacitance change			Within ±20% of initial value			
	tan $\delta$			Less than 200% of specified value			
Shelf life (at 105℃)	After 1000 hours no load test, leakage current, capacitance and tan $\delta$ are same as load life value.						
Resistance to soldering heat	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them at 250℃ for 30 seconds.						
	Leakage current			Less than specified value			
	Capacitance change			Within ±10% of initial value			
	tan $\delta$			Less than specified value			

## DRAWING

Unit : mm



$\phi D$	W	B	C	E
4	4.8	4.3	4.3	1.0
5	6.0	5.3	5.3	1.4
6.3	7.1	6.6	6.6	2.2

## DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

$\mu F$	WV	6.3	10	16	25	35	50
0.1							4 × 5.3 1.3
0.22							4 × 5.3 2.3
0.33							4 × 5.3 2.8
0.47							4 × 5.3 4.0
1.0							4 × 5.3 8.4
2.2						4 × 5.3 8.4	5 × 5.3 13
3.3					5 × 5.3 12	5 × 5.3 16	5 × 5.3 17
4.7				4 × 5.3 12	5 × 5.3 16	5 × 5.3 18	6.3 × 5.3 20
10			4 × 5.3 17	5 × 5.3 23	6.3 × 5.3 27	6.3 × 5.3 29	
22	5 × 5.3	28	6.3 × 5.3 33	6.3 × 5.3 37			
33	6.3 × 5.3	37	6.3 × 5.3 41	6.3 × 5.3 49			
47	6.3 × 5.3	45					

↑  
Ripple current (mA rms) at 105°C, 120Hz  
Case size  $\phi D \times L$  (mm)