SURFACE MOUNT ALUMINUM ELECTROLYTIC CAPACITORS



Chip type, Non-polarized Series

- · Chip type with 5.5mmL height
- · Designed for surface mounting on high density PC board
- · Applicable to automatic insertion machine using carrier tape
- Complied to the RoHS directive



NC

\$СN

Wide

temp.

SC □

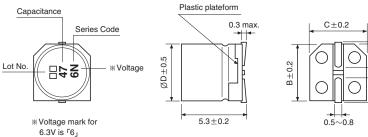
Non-polar



Item	Characteristics									
Operating temperature range	-40 ~ +85°	-40 ~ +85°C								
Leakage current max.	I = 0.05CV	I = 0.05CV or 10 μ A whichever is greater (after 2 minutes)								
Capacitance tolerance	±20% at ⁻	±20% at 120Hz, 20°C								
Dissipation factor max.	WV 6.3		10		16		25	35	50	
(at 120Hz, 20°C)	tan∂	tan∂ 0.24			0.17		0.17	0.15	0.15	
	WV		6.3	1(10 16		25	35	50	
Low temperature characteristics (Impedance ratio at 120Hz)	Z-25°C/Z+20°C		4	3	3 2		2	2	2	
	Z-40°C/Z+20°C		8	6	6 4		4	3	3	
	Leakage current Less than specified value									
Load life	Capacitance change				Within $\pm 20\%$ of initial value					
(after application of the rated voltage for 2000 hours at 85°C)	tan∂				Less than 200% of specified value					
	Test meth	nod		Pc	Polarity reverse each 250 hours					
Shelf life (at 85°C)	After 1000 hours no load test, leakage current, capacitance and tan δ are same as load life value. The measurement shall be performed at 20°C by the KS C IEC 60384 - 4									
	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them at 250°C for 10 seconds.									
Resistance to soldering heat	Leakage current			Le	Less than specified value					
	Capacitance change				Within $\pm 10\%$ of initial value					
	tan∂				Less than specified value					

DRAWING

-Series code of NC is "N"



C±0.2	0.4 max.	
	E = 0.2	W±0.2
0.5~0.8		

ØD	W	В	С	Е	
4	4.8	4.3	4.3	1.0	
5	5.8	5.3	5.3	1.4	
6.3	7.1	6.6	6.6	2.2	
-					

DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μFWV	6.3		10		16		25		35		50		
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	A	A					
33	6.3×5.3	37	6.3×5.3	41	6.3×5.3	49	Ripple current (mA rms) at 85°C, 120Hz						
47	6.3×5.3	45					Case size ØD X L (mm)						

Unit : mm