

MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

SC Chip type, For Surface Mounting Series

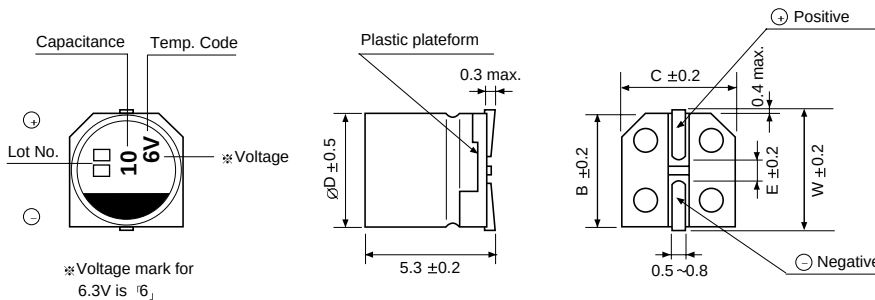
- Chip type with 5.5mm height
- Designed for surface mounting on high density PC board
- Applicable to automatic insertion machine using carrier tape



Item	Characteristics								
Operating temperature range	-40 ~ +85 °C								
Leakage current max.	I = 0.01CV or 3μA whichever is greater (after 2 minutes)								
Capacitance tolerance	±20% at 120Hz, 20 °C								
Dissipation factor max. (at 120Hz, 20 °C)	WV	4	6.3	10	16	25	35	50	
	tanδ	0.35(0.40)	0.24(0.30)	0.20	0.16(0.19)	0.13(0.16)	0.12(0.14)	0.09(0.14)	
	Figures in () are for φ3 products.								
Low temperature characteristics (Impedance ratio at 120Hz)	WV		4	6.3	10	16	25	35	50
	Z-25 °C/Z+20 °C		6	4	3	2	2	2	2
	Z-40 °C/Z+20 °C		12	8	6	4	4	4	4
Load life (after application of the rated voltage for 2000 hours at 85 °C)	Leakage current			Less than specified value					
	Capacitance change			Within ±20% of initial value					
	tanδ			Less than 200% of specified value					
Shelf life (at 85 °C)	After 1000 hours no load test, leakage current, capacitance and tanδ are same as load life value.								
Resistance to soldering heat	The following specifications shall be satisfied when the capacitors are restored to 20 °C after exposing them at 250 °C for 30 seconds.								
	Leakage current			Less than specified value					
	Capacitance change			Within ±10% of initial value					
	tanδ			Less than specified value					

DRAWING

Unit : mm



ϕD	W	B	C	E
3	3.9	3.3	3.3	0.8
4	5.0	4.3	4.3	1.0
5	6.0	5.3	5.3	1.4
6.3	7.3	6.6	6.6	2.2

DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF	WV	4	6.3	10	16	25	35	50
0.1								4(3) 3.2(2.4)
0.22								4(3) 4.7(3.5)
0.33								4(3) 5.7(4.3)
0.47								4(3) 6.8(5.2)
1.0								4(3) 10.0(7.5)
2.2							4(3) 11(10)	4 14.8
3.3						4(3) 15(12)	4 16	4 18.1
4.7					4(3) 16(13)	4 18	4 19	5 25.0
10	4(3)	16(13)	4(3)	19(16)	4 21	4 24	5 30	5 32 6.3 42.6
22	4(3)	24(19)	4	29	5 36	5 41	6.3 53	6.3 55
33	4	29	5	41	5 44	6.3 58	6.3 64	
47	4	35	5	48	6.3 62	6.3 69		
100	6.3	68	6.3	82				
150	6.3	84						

↑ Ripple current (mA rms) at 85 °C, 120Hz

↑ Case size ϕD (mm)