

SURFACE MOUNT ALUMINUM ELECTROLYTIC CAPACITORS

NEW

AC Height 6mmL Long Life Series



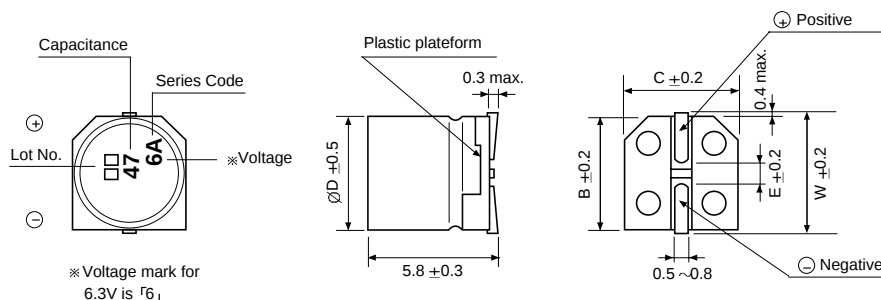
- Chip type, with load life of 5000 hours at +105°C
- Designed for surface mounting on high density PC board
- Applicable to automatic insertion machine using carrier tape



Item	Characteristics							
Operating temperature range	-40 ~ +105°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
	tan δ	0.37	0.28	0.24	0.20	0.16	0.13	0.12
Low temperature characteristics (Impedance ratio at 120Hz)	WV	4	6.3	10	16	25	35	50
	Z-25°C/Z+20°C	8	4	3	2	2	2	2
	Z-40°C/Z+20°C	14	10	7	5	3	3	3
Load life (after application of the rated voltage for 5000 hours at 105°C)	Leakage current			Less than specified value				
	Capacitance change			Within ±30% of initial value				
	tan δ			Less than 300% of specified value				
Shelf life (at 105 °C)	After 1000 hours no load test, leakage current, capacitance and tan δ 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 value			Within ±10% of initial value				
	tan δ			Less than specified value				

DRAWING

Unit : mm



∅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

WV	4	6.3	10	16	25	35	50
0.1							4 × 5.8 1.0
0.22							4 × 5.8 2.6
0.33							4 × 5.8 3.2
0.47							4 × 5.8 3.8
1.0							4 × 5.8 6.2
2.2							4 × 5.8 11
3.3							4 × 5.8 14
4.7					4 × 5.8 13	4 × 5.8 15	5 × 5.8 19
10				4 × 5.8 18	5 × 5.8 23	5 × 5.8 25	6.3 × 5.8 30
22	4 × 5.8 22	4 × 5.8 22	5 × 5.8 27	5 × 5.8 30	6.3 × 5.8 38	6.3 × 5.8 42	5.8
33	5 × 5.8 30	5 × 5.8 30	5 × 5.8 35	6.3 × 5.8 40	5.8 48	5.8	
47	5 × 5.8 36	5 × 5.8 36	6.3 × 5.8 46	6.3 × 5.8 50	6.3 × 5.8		
100	6.3 × 5.8 60	6.3 × 5.8 60	5.8		5.8		

Ripple current (mA rms) at 105°C, 120Hz
Case size ∅D × L(mm)