

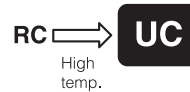
SURFACE MOUNT ALUMINUM ELECTROLYTIC CAPACITORS



NEW

UC Chip type High Reliability Series

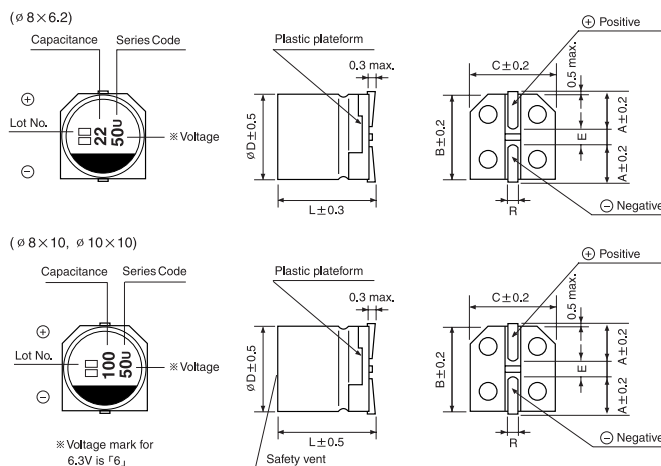
- Chip type, high temperature range, for +125°C use
- Designed for surface mounting on high density PC board
- Applicable to automatic insertion machine using carrier tape



Item	Characteristics					
Operating temperature range	-40 ~ +125℃					
Leakage current max.	I = 0.03CV or 4 μ A whichever is greater (after 2 minutes)					
Capacitance tolerance	±20% at 120Hz, 20℃					
Dissipation factor max. (at 120Hz, 20℃)	WV	10	16	25	35	50
	tan δ	0.32	0.24	0.21	0.18	0.18
Low temperature characteristics (Impedance ratio at 120Hz)	WV	10	16	25	35	50
	Z-40℃/Z+20℃	12	8	6	4	4
Load life (after application of the rated voltage for 2000 hours at 105℃)	Leakage current		Less than specified value			
	Capacitance change		Within ±30% of initial value			
	tan δ		Less than 300% of specified value			
	Ø8 x 6.2mmL product is for 1000 hours					
Shelf life (at 125℃)	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℃ after exposing them at 250℃ for 30 seconds.					
	Leakage current		Less than specified value			
	Capacitance change		Within ±10% of initial value			
	tan δ		Less than specified value			

DRAWING

Unit : mm



$\varnothing D \times L$	A	B	C	E	R
8×6.2	3.3	8.3	8.3	2.3	0.5~0.8
8×10	2.9	8.3	8.3	3.1	0.8~1.1
10×10	3.2	10.3	10.3	4.5	0.8~1.1

DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF	WV	10	16	25	35	50
10						8×6.2 24
22						8×6.2 38
33					8×6.2 44	8×10 46
47				8×6.2 48	8×10 52	10×10 58
100	8×6.2	58	8×10 66	8×10 74	10×10 80	
220	8×10	90	10×10 102	10×10 116		
330	10×10	112				

↑ ↑ Ripple current (mA rms) at 125°C, 120Hz
Case size $\varnothing D \times L$ (mm)