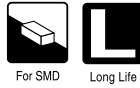
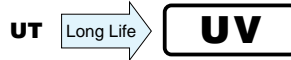


ALUMINUM ELECTROLYTIC CAPACITORS

UV series 6mmL Chip Type, Long Life Assurance



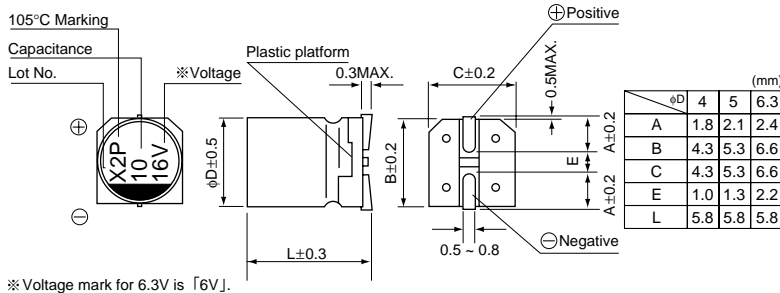
- Chip type with load life of 5000 hours at +105°C.
- Designed for surface mounting on high density PC board.
- Applicable to automatic insertion machine using carrier tape.



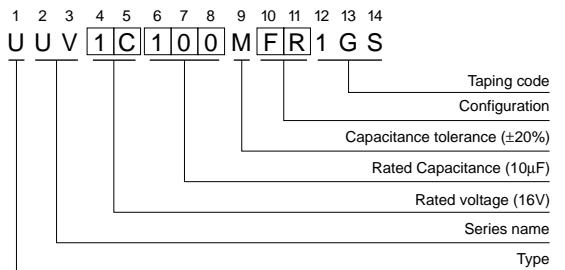
Specifications

Item	Performance Characteristics										
Category Temperature Range	-40 ~ +105°C										
Rated Voltage Range	4 ~ 50V										
Rated Capacitance Range	0.1 ~ 100μF										
Capacitance Tolerance	±20% at 120Hz, 20°C										
Leakage Current	After 2 minutes' application of rated voltage, leakage current is not more than 0.01 CV or 3 (μA), whichever is greater.										
tan δ	Measurement frequency : 120Hz, Temperature : 20°C										
	Rated voltage (V)	4	6.3	10	16	25	35	50			
Stability at Low Temperature	Measurement frequency : 120Hz										
	Rated voltage (V)	4		6.3	10	16	25	35	50		
	Impedance ratio	Z-25°C / Z+20°C		8	4	3	2	2	2		
Endurance	Z / Z20 (MAX.)		Z-40°C / Z+20°C		14	10	7	5	3	3	3
	After 5000 hours' application of rated voltage at 105°C, capacitors meet the characteristic requirements listed at right.		Capacitance change		Within ±30% of initial value						
			tan δ		300% or less of initial specified value						
Shelf Life	After leaving capacitors under no load at 105°C for 1000 hours, they meet the specified value for endurance characteristics listed above.		Leakage current		Initial specified value or less						
			tan δ		300% or less of initial specified value						
Resistance to soldering heat	The capacitors shall be kept on the hot plate maintained at 250°C for 30 seconds. After removing from the hot plate and restored at room temperature, they meet the characteristic requirements listed at right.		Capacitance change		Within ±10% of initial value						
			tan δ		Initial specified value or less						
			Leakage current		Initial specified value or less						
Marking	Black print on the case top.										

Chip Type



Type numbering system (Example : 16V 10μF)



- The lead-free product is also available upon request. In this case, [CL] will be put at 10th and 11th digit of type numbering system.

Dimensions

Cap.(μF)	Code	4		6.3		10		16		25		35		50	
		0G	0J	1A	1C	1E	1V	1H							
0.1	0R1													4	1.0
0.22	R22													4	2.6
0.33	R33													4	3.2
0.47	R47													4	3.8
1	010													4	6.2
2.2	2R2													4	11
3.3	3R3													4	14
4.7	4R7													4	19
10	100													4	30
22	220	4	22	4	22	5	27	5	30	6.3	38	6.3	42		
33	330	5	30	5	30	5	35	6.3	40	6.3	48				
47	470	5	36	5	36	6.3	46	6.3	50						
100	101	6.3	60	6.3	60										

Rated ripple (mA rms) at 105°C 120Hz

Frequency coefficient of rated ripple current

Frequency	50 Hz	120 Hz	300 Hz	1 kHz	10 kHz~
Coefficient	0.70	1.00	1.17	1.36	1.50

● Taping Specifications are given in page 22.

Please refer to page 3 for the minimum order quantity.

CAT.8100S