

ALUMINUM ELECTROLYTIC CAPACITORS

UT series 6mmL Chip Type, Wide Temperature Range

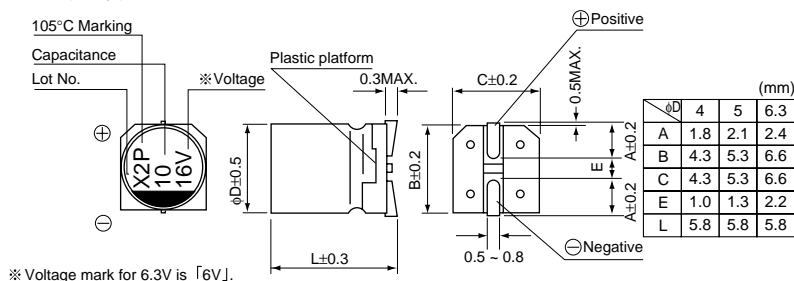


- Chip type with load life 2000 hours at +105°C.
- Designed for surface mounting on high density PC board.
- Applicable to automatic mounting machine using carrier tape.

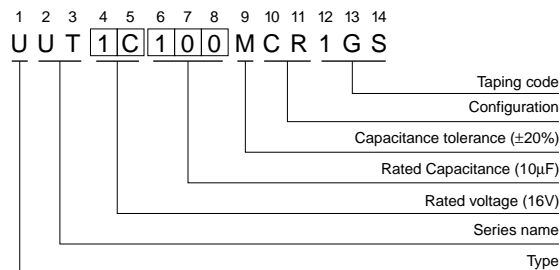
Specifications

Item	Performance Characteristics								
Category Temperature Range	-55 ~ +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	6	3	3	2	2	2	2
Endurance	ZT/Z20(MAX.)		12	8	5	4	3	3	3
	After 2000 hours' application of rated voltage at 105°C, capacitors meet the characteristics requirements listed at right.		Capacitance change		Within ±25% of initial value (16V or less) Within ±20% of initial value (25V or more)				
			tan δ		200% or less of initial specified value				
Shelf Life	After 2000 hours' application of rated voltage at 105°C, capacitors meet the characteristics requirements listed at right.		Leakage current		Initial specified value or less				
	After leaving capacitors under no load at 105°C for 1000 hours, they meet the specified value for endurance characteristics listed above.								
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 characteristics 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)



Dimensions

Cap.(μF)	Code	V		4		6.3		10		16		25		35		50		
		Code	OG	OG	OG	OG	OG	OG	OG	OG	OG	OG	OG	OG	OG	OG	OG	
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	18	4	13	4	15	5	5	6.3	30
22	220	4	22	4	22	4	22	5	27	5	30	6.3	38	6.3	42			
33	330	5	30	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	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 21.

Please refer to page 3 for the minimum order quantity.

CAT.8100P