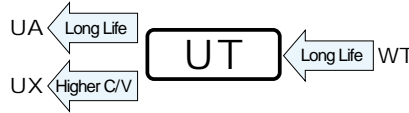


UT series 6mmL Chip Type, Wide Temperature Range



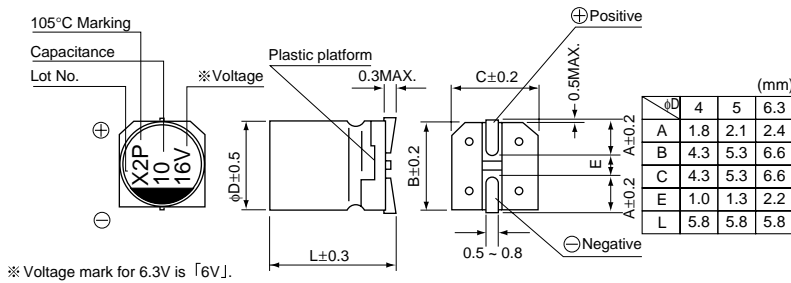
- Chip type with load life 2000 hours at +105°C.
- Designed for surface mounting on high density PC board.
- Applicable to automatic mounting machine using carrier tape.
- Adapted to the RoHS directive (2002/95/EC).



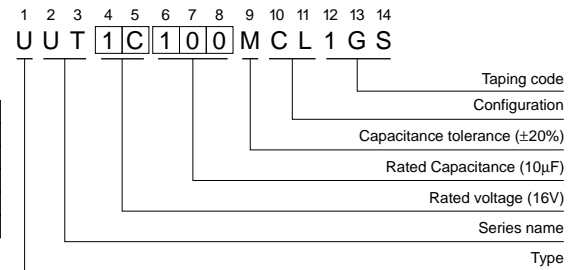
Specifications

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 characteristic requirements listed at right.		Capacitance change		Within ±25% of initial value (16V or less) Within ±20% of initial value (25V or more)					
Shelf Life	After 2000 hours' application of rated voltage at 105°C, capacitors meet the characteristic requirements listed at right.		tan δ		200% or less of initial specified value					
	After storing the capacitors under no load at 105°C for 1000 hours, and after performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they will meet the specified value for endurance characteristics listed above.		Leakage current		Initial specified value or less					
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					
Marking	Black print on the case top.		Leakage current		Initial specified value or less					

Chip Type



Type numbering system (Example : 16V 10μF)



Dimensions

V		4		6.3		10		16		25		35		50	
Cap. (μF)	Code	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	18	5	23	5	25	6.3	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	6.3	60								

Rated Ripple (mArms) 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 24.
- Recommended land size, soldering by reflow are given in page 25, 26.
- Please select UX(p.74), UJ(p.76) series if high C/V products are required.
- Please refer to page 3 for the minimum order quantity.