

ALUMINUM ELECTROLYTIC CAPACITORS

nichicon

UT

6mmL Chip Type, Wide Temperature Range

series



For SMD



Anti-Solvent Feature

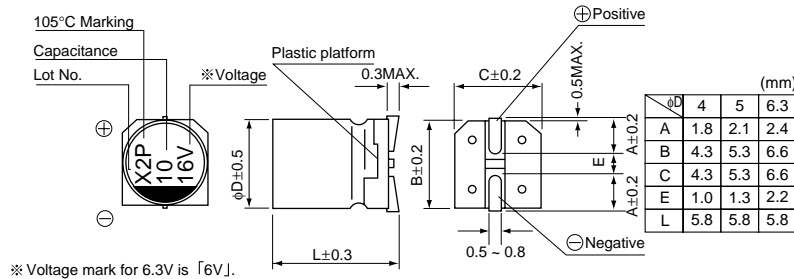
- Chip type with load life 2000 hours at +105°C.
- Designed for surface mounting on high density PC board.
- Applicable to automatic mounting machine using carrier tape.



Specifications

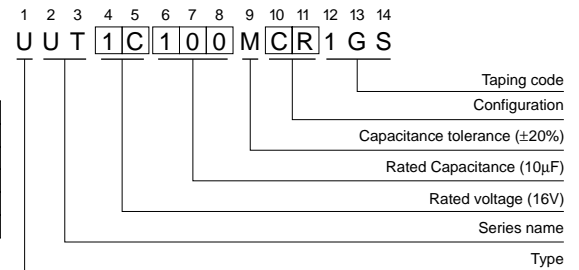
Item	Performance Characteristics							
Category Temperature Range	-55 ~ +105°C							
Rated Voltage Range	4 ~ 50V							
Rated Capacitance Range	0.1 ~ 100μF							
Capacitance Tolerance	±20% at 120Hz, 20°C							
Leakage Current	After 2 minutes' application of rated voltage, leakage current is not more 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
	tan δ (MAX.)	0.37	0.28	0.24	0.20	0.16	0.13	0.12
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
	ZT / Z20 (MAX.)	12	8	5	4	3	3	3
Endurance	After 2000 hours' application of rated voltage at 105°C, capacitors meet the characteristic requirements listed at right.							
Shelf Life	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 characteristic requirements listed at right.							
Marking	Black print on the case top.							

Chip Type



※ Voltage mark for 6.3V is 「6V」.

Type numbering system (Example : 16V 10μF)



- The lead-free product is also available upon request.
- In this case, **L** will be put at 11th digit of type numbering system.

Dimensions

V	4	6.3	10	16	25	35	50
Cap. (μF)	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						5 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 (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.
- Recommended land size are given in page 23
- Please refer to page 3 for the minimum order quantity.

CAT.8100T