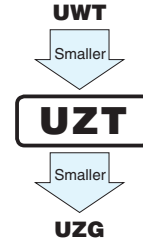


UZT 4.5mmL Chip Type, Wide Temperature Range



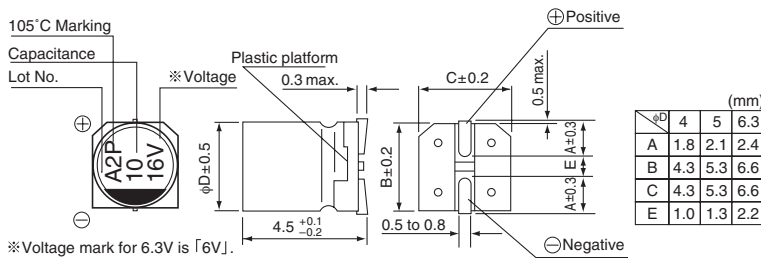
- Chip type with 4.5mm height, operating over wide temperature range of -40 to $+105^{\circ}\text{C}$.
- Designed for surface mounting on high density PC board.
- Applicable to automatic mounting machine fed with carrier tape.
- Compliant to the RoHS directive (2011/65/EU, (EU)2015/863).
- AEC-Q200 compliant. Please contact us for details.

Specifications

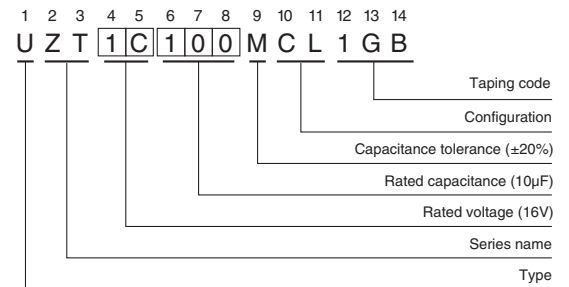
Item	Performance Characteristics						
Category Temperature Range	-40 to $+105^{\circ}\text{C}$						
Rated Voltage Range	6.3 to 50V						
Rated Capacitance Range	1 to $100\mu\text{F}$						
Capacitance Tolerance	$\pm 20\%$ at 120Hz, 20°C						
Leakage Current ※	After 2 minutes' application of rated voltage at 20°C , leakage current is not more than 0.01CV or $3(\mu\text{A})$, whichever is greater.						
Tangent of loss angle (tan δ)	Measurement frequency : 120Hz at 20°C						
	Rated voltage (V)	6.3	10	16	25	35	50
Stability at Low Temperature	Measurement frequency : 120Hz						
	Rated voltage (V)	6.3	10	16	25	35	50
	Impedance ratio ZT / Z20 (max.)	Z(-25°C) / Z($+20^{\circ}\text{C}$)	6	5	3	3	3
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 1000 hours at 105°C .		Capacitance change	Within $\pm 25\%$ of the initial capacitance value (16V or less) Within $\pm 20\%$ of the initial capacitance value (25V or more)			
			tan δ	300% or less than initial specified value			
Shelf Life	After storing the capacitors under no load at 105°C for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C , they shall meet the specified values for the endurance characteristics listed above.		Leakage current	Less than or equal to the initial specified value			
			Capacitance change	Within $\pm 10\%$ of the initial capacitance value			
Resistance to soldering heat	The capacitors are kept on a hot plate for 30 seconds, which is maintained at 250°C . The capacitors shall meet the characteristic requirements listed at right when they are removed from the plate and restored to 20°C .		tan δ	Less than or equal to the initial specified value			
			Leakage current	Less than or equal to the initial specified value			
Marking	Black print on the case top.						

※ I : Leakage Current (μA), C : Rated Capacitance (μF), V : Rated Voltage (V)

Chip Type



Type numbering system (Example : 16V 10 μF)



Frequency coefficient of rated ripple current

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

● Dimension table in next page.

UZZ

■Dimensions

Rated Voltage (V) (code)	Rated Capacitance (μF)	Case Size φD×L (mm)	tan δ	Leakage Current (μA) (at 20°C after 2 minutes)	Rated Ripple (mArms) (105°C/120Hz)	Part Number
6.3 (0J)	22	4×4.5	0.38	3	19	UZT0J220MCL1GB
	33	5×4.5	0.38	3	26	UZT0J330MCL1GB
	47	5×4.5	0.38	3	32	UZT0J470MCL1GB
	100	6.3×4.5	0.38	6.3	52	UZT0J101MCL1GB
10 (1A)	22	5×4.5	0.32	3	24	UZT1A220MCL1GB
	33	5×4.5	0.32	3.3	30	UZT1A330MCL1GB
	47	6.3×4.5	0.32	4.7	40	UZT1A470MCL1GB
16 (1C)	10	4×4.5	0.20	3	16	UZT1C100MCL1GB
	22	5×4.5	0.20	3.52	26	UZT1C220MCL1GB
	33	6.3×4.5	0.20	5.28	35	UZT1C330MCL1GB
	47	6.3×4.5	0.20	7.52	44	UZT1C470MCL1GB
25 (1E)	4.7	4×4.5	0.16	3	11	UZT1E4R7MCL1GB
	10	5×4.5	0.16	3	20	UZT1E100MCL1GB
	22	6.3×4.5	0.16	5.5	33	UZT1E220MCL1GB
	33	6.3×4.5	0.16	8.25	42	UZT1E330MCL1GB
35 (1V)	4.7	4×4.5	0.14	3	13	UZT1V4R7MCL1GB
	10	5×4.5	0.14	3.5	22	UZT1V100MCL1GB
	22	6.3×4.5	0.14	7.7	36	UZT1V220MCL1GB
50 (1H)	1	4×4.5	0.14	3	5.4	UZT1H010MCL1GB
	2.2	4×4.5	0.14	3	9.6	UZT1H2R2MCL1GB
	3.3	4×4.5	0.14	3	12	UZT1H3R3MCL1GB
	4.7	5×4.5	0.14	3	16	UZT1H4R7MCL1GB
	10	6.3×4.5	0.14	5	26	UZT1H100MCL1GB

- For taping specifications, recommended land size/soldering by reflow and minimum order quantity, please refer to the Guidelines for Aluminum Electrolytic Capacitors.
- Please select UUX, UUU series if high C/V products are required.