**UZT** 

range of -40 to +105°C.

4.5mmL Chip Type, Wide Temperature Range

- Chip type with 4.5mm height, operating over wide temperature
- 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.

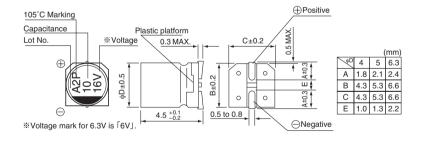




## ■Specifications

Item	Performance Characteristics												
Category Temperature Range	-40 to +105°C												
Rated Voltage Range	6.3 to 50V												
Rated Capacitance Range	1 to 100µF												
Capacitance Tolerance	±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 (μA), whichever is greater.												
	Measurement frequency : 120Hz at 20°C												
Tangent of loss angle (tan $\delta$ )	Rated voltage (V)	6.3	10			16 25			35		50		
	tan δ (MAX.)	0.38	0.32		0.20 0		0.16	6	0.14		0.14		
	Measurement frequency: 120Hz												
Stability at Law Tamparatura	Rated voltage (V)		6.3		10	16		25	35	50			
Stability at Low Temperature	Impedance ratio	Z-25°C / 2		6	_	5	3		3	3	3		
	ZT / Z20 (MAX.)	Z+20°C	10		10 6			6	4	4			
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for				Capacitance change tan δ			Within ±25% of the initial capacitance value (16V or less) Within ±20% of the initial capacitance value (25V or more) 300% or less than initial specified value					
	1000 hours at 105		аррііса іс	"		eakage c	urrent				nan initial specified value ual to the 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.												
Resistance to soldering heat	The capacitors are kept on a hot plate for 30 seconds, v 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.				the	ch [				n or equal to the initial specified val	ue		
Marking	Black print on the case top.												

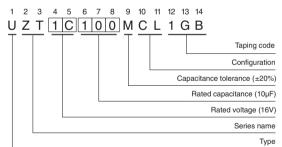
## ■Chip Type



• 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

## Type numbering system (Example : $16V 10\mu F$ )





## 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
	22	4×4.5	0.38	3	19	UZT0J220MCL1GB
6.3	33	5×4.5	0.38	3	26	UZT0J330MCL1GB
(OJ)	47	5×4.5	0.38	3	32	UZT0J470MCL1GB
	100	6.3×4.5	0.38	6.3	52	UZT0J101MCL1GB
	22	5×4.5	0.32	3	24	UZT1A220MCL1GB
10 (1A)	33	5×4.5	0.32	3.3	30	UZT1A330MCL1GB
(117)	47	6.3×4.5	0.32	4.7	40	UZT1A470MCL1GB
	10	4×4.5	0.20	3	16	UZT1C100MCL1GB
16	22	5×4.5	0.20	3.52	26	UZT1C220MCL1GB
(1C)	33	6.3×4.5	0.20	5.28	35	UZT1C330MCL1GB
	47	6.3×4.5	0.20	7.52	44	UZT1C470MCL1GB
	4.7	4×4.5	0.16	3	11	UZT1E4R7MCL1GB
25	10	5×4.5	0.16	3	20	UZT1E100MCL1GB
(1E)	22	6.3×4.5	0.16	5.5	33	UZT1E220MCL1GB
	33	6.3×4.5	0.16	8.25	42	UZT1E330MCL1GB
	4.7	4×4.5	0.14	3	13	UZT1V4R7MCL1GB
35 (1V)	10	5×4.5	0.14	3.5	22	UZT1V100MCL1GB
	22	6.3×4.5	0.14	7.7	36	UZT1V220MCL1GB
	1	4×4.5	0.14	3	5.4	UZT1H010MCL1GB
	2.2	4×4.5	0.14	3	9.6	UZT1H2R2MCL1GB
50 (1H)	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

<sup>•</sup> 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, UUJ series if high C/V products are required.