

UZZT

4.5mmL Chip Type, Wide Temperature Range



UWT



UZZT



UZG



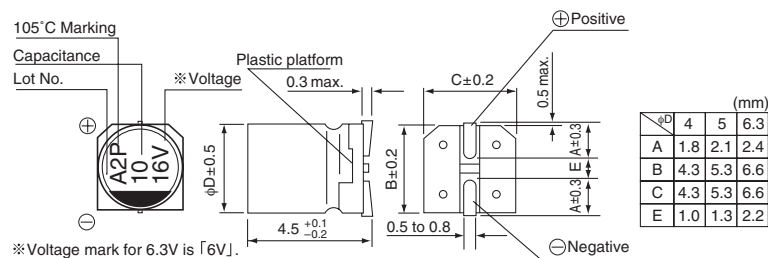
- Chip type with 4.5mm height, operating over wide temperature range of -40 to $+105^{\circ}\text{C}$.
- Designed for surface mounting on high density PC board.
- Applicable to automatic mounting machine fed with carrier tape.
- Compliant to the RoHS directive (2011/65/EU, (EU)2015/863).
- AEC-Q200 Qualified.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

Specifications

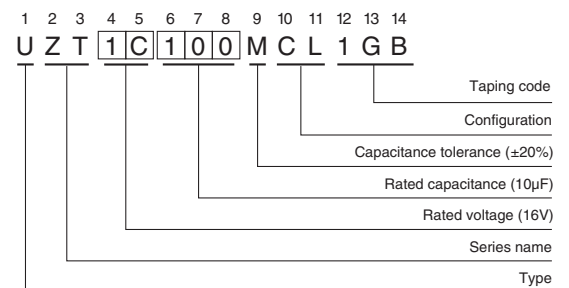
Item	Performance Characteristics							
Category Temperature Range	-40 to +105°C							
Rated Voltage Range	6.3 to 50V							
Rated Capacitance Range	1 to 100μF							
Capacitance Tolerance	±20% at 120Hz, 20°C							
Leakage Current ※	After 2 minutes' application of rated voltage at 20°C, leakage current is not more than 0.01CV or 3 (μA) , whichever is greater.							
Tangent of loss angle (tan δ)	Measurement frequency : 120Hz at 20°C							
	Rated voltage (V)	6.3	10	16	25	35	50	
	tan δ (max.)	0.38	0.32	0.20	0.16	0.14	0.14	
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°C)	6	5	3	3	3	3
		Z(-40°C) / 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 1000 hours at 105°C.			Capacitance change		Within ±25% of the initial capacitance value (16V or less) Within ±20% of the initial capacitance value (25V or more)		
				tan δ		300% or less than initial specified value		
				Leakage current		Less than or equal 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, 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.			Capacitance change		Within ±10% of the initial capacitance value		
				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

UJT

■ Dimensions

Rated Voltage (V) (code)	Rated Capacitance (μ F)	Case Size ϕ D $\times$ L (mm)	$\tan \delta$	Leakage Current (μ A) (at 20°C after 2 minutes)	Rated Ripple (mA _{rms}) (105°C/120Hz)	Part Number
6.3 (0J)	22	4 $\times$ 4.5	0.38	3	19	UJT0J220MCL1GB
	33	5 $\times$ 4.5	0.38	3	26	UJT0J330MCL1GB
	47	5 $\times$ 4.5	0.38	3	32	UJT0J470MCL1GB
	100	6.3 $\times$ 4.5	0.38	6.3	52	UJT0J101MCL1GB
10 (1A)	22	5 $\times$ 4.5	0.32	3	24	UJT1A220MCL1GB
	33	5 $\times$ 4.5	0.32	3.3	30	UJT1A330MCL1GB
	47	6.3 $\times$ 4.5	0.32	4.7	40	UJT1A470MCL1GB
16 (1C)	10	4 $\times$ 4.5	0.20	3	16	UJT1C100MCL1GB
	22	5 $\times$ 4.5	0.20	3.52	26	UJT1C220MCL1GB
	33	6.3 $\times$ 4.5	0.20	5.28	35	UJT1C330MCL1GB
	47	6.3 $\times$ 4.5	0.20	7.52	44	UJT1C470MCL1GB
25 (1E)	4.7	4 $\times$ 4.5	0.16	3	11	UJT1E4R7MCL1GB
	10	5 $\times$ 4.5	0.16	3	20	UJT1E100MCL1GB
	22	6.3 $\times$ 4.5	0.16	5.5	33	UJT1E220MCL1GB
	33	6.3 $\times$ 4.5	0.16	8.25	42	UJT1E330MCL1GB
35 (1V)	4.7	4 $\times$ 4.5	0.14	3	13	UJT1V4R7MCL1GB
	10	5 $\times$ 4.5	0.14	3.5	22	UJT1V100MCL1GB
	22	6.3 $\times$ 4.5	0.14	7.7	36	UJT1V220MCL1GB
50 (1H)	1	4 $\times$ 4.5	0.14	3	5.4	UJT1H010MCL1GB
	2.2	4 $\times$ 4.5	0.14	3	9.6	UJT1H2R2MCL1GB
	3.3	4 $\times$ 4.5	0.14	3	12	UJT1H3R3MCL1GB
	4.7	5 $\times$ 4.5	0.14	3	16	UJT1H4R7MCL1GB
	10	6.3 $\times$ 4.5	0.14	5	26	UJT1H100MCL1GB

- 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.