

UWP

5.5mmL Chip Type, Bi-Polarized



For SMD



Bi-polarized



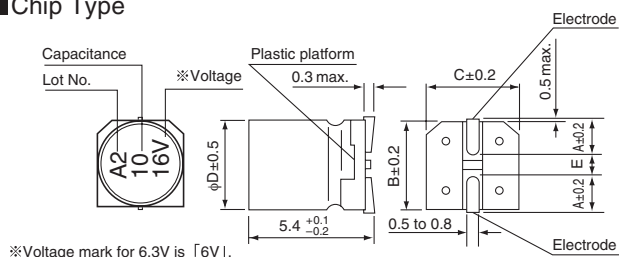
Anti-Solvent Feature

- 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.

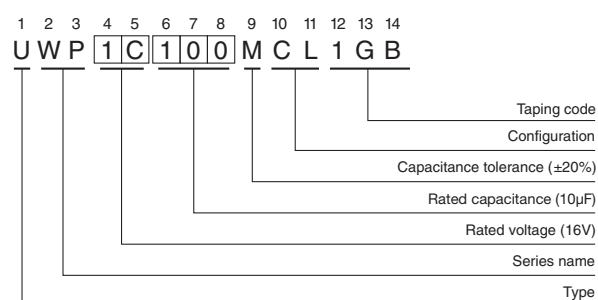
**Specifications**

Item	Performance Characteristics							
Category Temperature Range	-40 to +85°C							
Rated Voltage Range	6.3 to 50V							
Rated Capacitance Range	0.1 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 0.05CV or 10 (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.)	0.24	0.20	0.17	0.17	0.15	0.15	
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)	4	3	2	2	2	2
		Z(-40°C) / Z(+20°C)	8	6	4	4	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 85°C with the polarity inverted every 250 hours.				Capacitance change		Within ±20% of the initial capacitance value	
					tan δ		200% or less than the initial specified value	
					Leakage current		Less than or equal to the initial specified value	
Shelf Life	After storing the capacitors under no load at 85°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

	φD	4	5	6.3	8
A	1.8	2.1	2.4	3.3	
B	4.3	5.3	6.6	8.3	
C	4.3	5.3	6.6	8.3	
E	1.0	1.3	2.2	2.3	

Type numbering system (Example : 16V 10μF)**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.

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■ 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 (mArms) (85°C/120Hz)	Part Number
6.3 (0J)	22	5 $\times$ 5.4	0.24	10	28	UWP0J220MCL1GB
	33	6.3 $\times$ 5.4	0.24	10.395	37	UWP0J330MCL1GB
	47	6.3 $\times$ 5.4	0.24	14.805	45	UWP0J470MCL1GB
	100	8 $\times$ 5.4	0.24	31.5	82	UWP0J101MCL1GB
10 (1A)	10	4 $\times$ 5.4	0.20	10	17	UWP1A100MCL1GB
	22	6.3 $\times$ 5.4	0.20	11	33	UWP1A220MCL1GB
	33	6.3 $\times$ 5.4	0.20	16.5	41	UWP1A330MCL1GB
	47	8 $\times$ 5.4	0.20	23.5	61	UWP1A470MCL1GB
16 (1C)	4.7	4 $\times$ 5.4	0.17	10	12	UWP1C47MCL1GB
	10	5 $\times$ 5.4	0.17	10	23	UWP1C100MCL1GB
	22	6.3 $\times$ 5.4	0.17	17.6	37	UWP1C220MCL1GB
	33	6.3 $\times$ 5.4	0.17	26.4	49	UWP1C330MCL1GB
	47	8 $\times$ 5.4	0.17	37.6	75	UWP1C470MCL1GB
25 (1E)	3.3	5 $\times$ 5.4	0.17	10	12	UWP1E33MCL1GB
	4.7	5 $\times$ 5.4	0.17	10	16	UWP1E47MCL1GB
	10	6.3 $\times$ 5.4	0.17	12.5	27	UWP1E100MCL1GB
	22	8 $\times$ 5.4	0.17	27.5	50	UWP1E220MCL1GB
	33	8 $\times$ 5.4	0.17	41.25	61	UWP1E330MCL1GB
35 (1V)	2.2	4 $\times$ 5.4	0.15	10	8.4	UWP1V22MCL1GB
	3.3	5 $\times$ 5.4	0.15	10	16	UWP1V33MCL1GB
	4.7	5 $\times$ 5.4	0.15	10	18	UWP1V47MCL1GB
	10	6.3 $\times$ 5.4	0.15	17.5	29	UWP1V100MCL1GB
	22	8 $\times$ 5.4	0.15	38.5	54	UWP1V220MCL1GB
50 (1H)	0.1	4 $\times$ 5.4	0.15	10	1.0	UWP1H01MCL1GB
	0.22	4 $\times$ 5.4	0.15	10	2.0	UWP1HR22MCL1GB
	0.33	4 $\times$ 5.4	0.15	10	2.8	UWP1HR33MCL1GB
	0.47	4 $\times$ 5.4	0.15	10	4.0	UWP1HR47MCL1GB
	1	4 $\times$ 5.4	0.15	10	8.4	UWP1H010MCL1GB
	2.2	5 $\times$ 5.4	0.15	10	13	UWP1H22MCL1GB
	3.3	5 $\times$ 5.4	0.15	10	17	UWP1H33MCL1GB
	4.7	6.3 $\times$ 5.4	0.15	11.75	20	UWP1H47MCL1GB
	10	8 $\times$ 5.4	0.15	25	36	UWP1H100MCL1GB

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