

5.5mmL Chip Type, Bi-Polarized



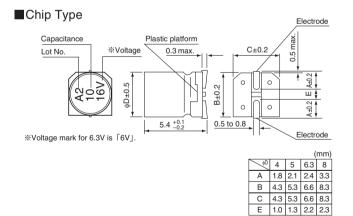
- Designed for surface mounting on high density PC board.
- Applicable to automatic mounting machine fed with carrier tape.
- Compliant to the RoHS directive (2011/65/EU,(EU)2015/863).
- AEC-Q200 Qualified. Please contact us for details.

Valued marked with an % in the dimension table are scheduled to be discontinued and are not recommended for new designs.

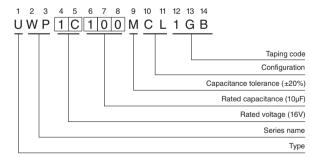


■Specifications

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	3		50	1
	tan δ (max.)	0.24	0.2	20	0.17	0.17	0.1	15	0.15	ı
	Measurement frequency: 120Hz									
Otability at Law Tanananatura	Rated	voltage (V)		6.3	10	16	25	35	50	I
Stability at Low Temperature	Impedance ratio	Z(-25°C) / Z(-		4	3	2	2	2	2	1
	ZT / Z20 (max.)	Z(-40°C) / Z(-	+20°C)	8	6	4	4	3	3	I
	The specifications listed at right shall be met									
Fadurana	when the capacitors are restored to 20°C after the rated voltage is applied for 1000 hours at 85°C				tan δ			Within ±20% of the initial capacitance value 200% or less than the initial specified value		
Endurance									r equal to the initial specified value	
	with the polarity in	verted every 2	50 hours	S.	Leakag	e current	L000 ti	ian or oqual	to the militar c	poomed 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.					Canaci	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.								



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



• 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



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) (85°C/120Hz)	Part Number
	22	5×5.4	0.24	10	28	UWP0J220MCL1GB
6.3	33	6.3×5.4	0.24	10.395	37	UWP0J330MCL1GB
(OJ)	47	6.3×5.4	0.24	14.805	45	UWP0J470MCL1GB
	100	8×5.4	0.24	31.5	82	*WWP0J101MCL1GB
	10	4×5.4	0.20	10	17	UWP1A100MCL1GB
10	22	6.3×5.4	0.20	11	33	UWP1A220MCL1GB
(1A)	33	6.3×5.4	0.20	16.5	41	UWP1A330MCL1GB
	47	8×5.4	0.20	23.5	61	%UWP1A470MCL1GB
	4.7	4×5.4	0.17	10	12	UWP1C4R7MCL1GB
	10	5×5.4	0.17	10	23	UWP1C100MCL1GB
16 (1C)	22	6.3×5.4	0.17	17.6	37	UWP1C220MCL1GB
(10)	33	6.3×5.4	0.17	26.4	49	UWP1C330MCL1GB
	47	8×5.4	0.17	37.6	75	%UWP1C470MCL1GB
	3.3	5×5.4	0.17	10	12	UWP1E3R3MCL1GB
	4.7	5×5.4	0.17	10	16	UWP1E4R7MCL1GB
25 (1E)	10	6.3×5.4	0.17	12.5	27	UWP1E100MCL1GB
(12)	22	8×5.4	0.17	27.5	50	₩UWP1E220MCL1GB
	33	8×5.4	0.17	41.25	61	**UWP1E330MCL1GB
	2.2	4×5.4	0.15	10	8.4	UWP1V2R2MCL1GB
	3.3	5×5.4	0.15	10	16	UWP1V3R3MCL1GB
35 (1V)	4.7	5×5.4	0.15	10	18	UWP1V4R7MCL1GB
(10)	10	6.3×5.4	0.15	17.5	29	UWP1V100MCL1GB
	22	8×5.4	0.15	38.5	54	%UWP1V220MCL1GB
	0.1	4×5.4	0.15	10	1.0	UWP1H0R1MCL1GB
	0.22	4×5.4	0.15	10	2.0	UWP1HR22MCL1GB
	0.33	4×5.4	0.15	10	2.8	UWP1HR33MCL1GB
	0.47	4×5.4	0.15	10	4.0	UWP1HR47MCL1GB
50 (1H)	1	4×5.4	0.15	10	8.4	UWP1H010MCL1GB
(111/	2.2	5×5.4	0.15	10	13	UWP1H2R2MCL1GB
	3.3	5×5.4	0.15	10	17	UWP1H3R3MCL1GB
	4.7	6.3×5.4	0.15	11.75	20	UWP1H4R7MCL1GB
	10	8×5.4	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.