ALUMINUM ELECTROLYTIC CAPACITORS



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 compliant. Please contact us for details.



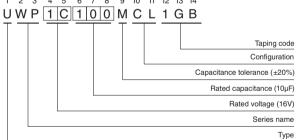


■Specifications

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.										
	Measurement frequency: 120Hz at 20°C										
Tangent of loss angle (tan δ)	Rated voltage (V)	6.3	10	0	16	25	3	35	50		
	tan δ (max.)	0.24	0.2	20	0.17	0.17	0.	15	0.15		
	Measurement frequency: 120Hz										
O. 1.33	Rated	voltage (V)		6.3	10	16	25	35	50		
Stability at Low Temperature	Impedance ratio	Z(-25°C) / Z(+20°C)	4	3	2	2	2	2		
	ZT / Z20 (max.)	Z(-40°C) / Z(+20°C)	8	6	4	4	3	3		
Endurance	when the capacitors are restored to 20°C after the rated voltage is applied for 1000 hours at 85°C $\frac{\delta}{\delta}$				tance char le current	ce change Within ±20% of the initial capacitance value 200% or less than the initial specified value urrent 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.				tan δ	Capacitance change tan δ Leakage current		Within ±10% of the initial capacitance value Less than or equal to the initial specified value Less than or equal to the initial specified value			
Marking	Black print on the case top.										

■Chip Type Electrode Capacitance Plastic platform %Voltage C±0.2 Lot No. 0.3 max B±0.2 0 0 $5.4^{+0.1}_{-0.2}$ 0.5 to 0.8 Electrode %Voltage mark for 6.3V is 「6V」. [⊕] 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

Type numbering system (Example : 16V $10\mu F$)
1 2 3 4 5 6 7 8 9 10 11 12 13 14



• 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

E 1.0 1.3 2.2 2.3



■ 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	UWP0J101MCL1GB
	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
(/	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
\/	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.