

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).
- AEC-Q200 compliant. Please contact us for details.

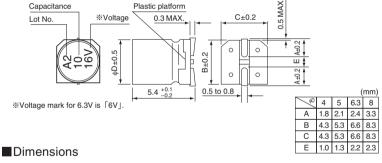




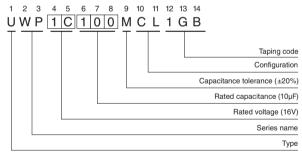
■Specifications

Item	Performance Characteristics										
Category Temperature Range	-40 to +85°C										
Rated Voltage Range	6.3 to 50V 0.1 to 100μF										
Rated Capacitance Range											
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.							,whichever is greater.			
	Measurement frequency: 120Hz at 20°C										
Tangent of loss angle (tan δ)	Rated voltage (V)	6.3	1	0	16	25	3	5	50		
	tan δ (MAX.)	0.24	0.2	20	0.17	0.17	0.	15	0.15		
	Measurement frequency: 120Hz										
O. 1.17	Rated	oltage (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					tance chan	200%	or less that	0% of the initial capacitance value ess than the initial specified value 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.						pased on JIS C 5101-4				
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 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			to the initial specified value	
Marking	Black print on the case top.										

■Chip Type



Type numbering system (Example: 16V 10µF)



V		6.	.3	10		16		25		35		50	
Cap. (µF) Code		0	J	1A		1C		1E		1V		1H	
0.1	0R1				 						 	4	1.0
0.22	R22				İ		i				İ	4	2.0
0.33	R33				<u> </u>		! !				!	4	2.8
0.47	R47											4	4.0
1	010				i I		i I				i I	4	8.4
2.2	2R2				 		! !			4	8.4	5	13
3.3	3R3				1 		 	5	12	5	16	5	17
4.7	4R7				i I	4	12	5	16	5	18	6.3	20
10	100			4	17	5	23	6.3	27	6.3	29	8	36
22	220	5	28	6.3	33	6.3	37	8	50	8	54		
33	330	6.3	37	6.3	41	6.3	49	8	61		I I		
47	470	6.3	45	8	61	8	75		, in the second				Rated
100	101	8	82				İ				İ	Case size	ripple

Rated ripple current (mArms) at 85°C 120Hz

Frequency coefficient of rated ripple current

a reduceral and a relative and a rel								
Frequency	50 Hz	120 Hz	300 Hz	1 kHz	10 kHz or more			
Coefficient	0.70	1.00	1.17	1.36	1.50			

- Taping specifications are given in page 23.
- Recommended land size, soldering by reflow are given in page 18, 19.
- Please select UUN(p.166) if high C/V products are reqired.
- Please refer to page 3 for the minimum order quantity.