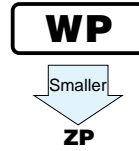


WP 5.5mmL Chip Type, Bi-Polarized
series



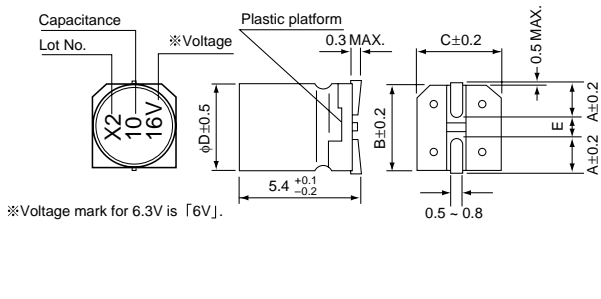
- Designed for surface mounting on high density PC board.
- Applicable to automatic mounting machine using carrier tape.



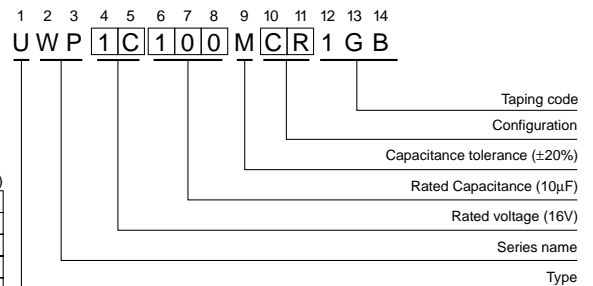
Specifications

Item	Performance Characteristics								
Category Temperature Range	-40 ~ +85°C								
Rated Voltage Range	6.3 ~ 50V								
Rated Capacitance Range	0.1 ~ 100μF								
Capacitance Tolerance	±20% at 120Hz, 20°C								
Leakage Current	After 2 minutes' application of rated voltage, leakage current is not more than 0.05CV or 10 (μA), whichever is greater.								
tan δ	Measurement frequency : 120Hz, Temperature : 20°C								
	Rated voltage (V)	6.3	10	16	25	35	50		
Stability at Low Temperature	tan δ (MAX.)	0.24	0.20	0.17	0.17	0.15	0.15		
		Measurement frequency : 120Hz							
	Impedance ratio ZT / Z20 (MAX.)	Rated voltage (V)		6.3	10	16	25	35	50
		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	After 1000 hours' application of rated voltage at 85°C with the polarity inverted every 250 hours, capacitors meet the characteristic requirements listed at right.		Capacitance change		Within ±20% of initial value				
			tan δ		200% or less of initial specified value				
Shelf Life	After leaving capacitors under no load at 85°C for 1000 hours, they meet the specified value for endurance characteristics listed above.		Leakage current		Initial specified value or less				
Resistance to soldering heat	The capacitors shall be kept on the hot plate maintained at 250°C for 30 seconds. After removing from the hot plate and restored at room temperature, they meet the characteristic requirements listed at right.		Capacitance change		Within ±10% of initial value				
			tan δ		Initial specified value or less				
Marking	Black print on the case top.		Leakage current		Initial specified value or less				

Chip Type



Type numbering system (Example : 16V 10μF)



- The lead-free product is also available upon request. In this case, **L** will be put at 11th digit of type numbering system.

Dimensions

Cap. (μF)	Code	V		6.3		10		16		25		35		50	
		0J	1A	1C	1E	1V	1H								
0.1	0R1													4	1.0
0.22	R22													4	2.0
0.33	R33													4	2.8
0.47	R47													4	4.0
1	010													4	8.4
2.2	2R2													5	13
3.3	3R3													5	17
4.7	4R7													5	20
10	100													8	36
22	220	5	28	6.3	33	6.3	37	8	50	8	61				
33	330	6.3	37	6.3	41	6.3	49	8	61						
47	470	6.3	45	8	61	8	75								
100	101	8	82												

Rated Ripple (mA rms) at 85°C 120Hz

Frequency coefficient of rated ripple current

Frequency	50 Hz	120 Hz	300 Hz	1 kHz	10 kHz~
Coefficient	0.70	1.00	1.17	1.36	1.50

- Taping specifications are given in page 22.
- Recommended land size are given in page 23
- Please refer to page 3 for the minimum order quantity.