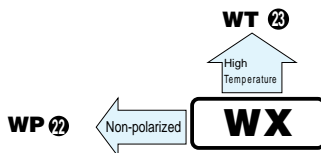


WX 5.5mmL Chip Type
series



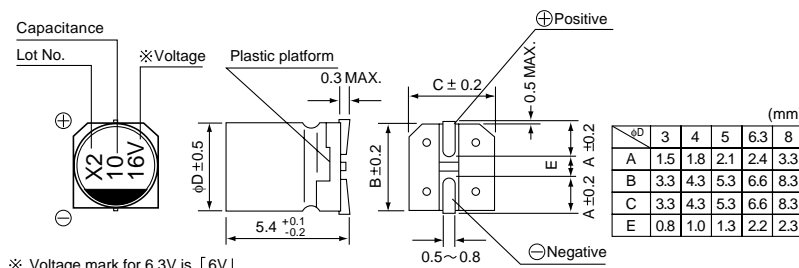
- Chip type with 5.5mm height.
- Designed for surface mounting on high density PC board.
- Applicable to automatic mounting machine using carrier tape.
- Load life of 2000 hours at 85°C.



Specifications

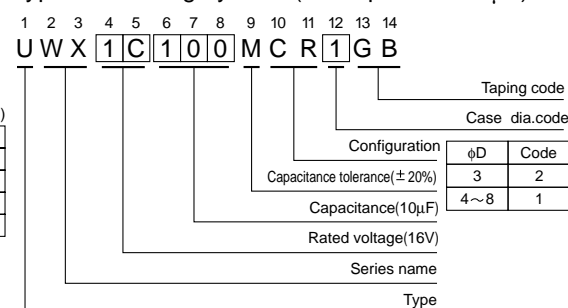
Item	Performance Characteristics								
Operating Temperature Range	-40 ~ +85°C								
Voltage Range	4 ~ 50V								
Capacitance Range	0.1 ~ 330μF								
Capacitance Tolerance	±20% at 120Hz, 20°C								
Leakage Current	After 2 minutes' application of rated voltage, leakage current is not more than 0.01CV or 3(μA), whichever is greater.								
tan δ	Measurement frequency : 120Hz, Temperature : 20°C								
	Rated voltage(V)	4	6.3	10	16	25	35	50	Values in () applicable to φ 3 case size.
tan δ(MAX.)	0.3(0.40)	0.26(0.30)	0.20(0.24)	0.16(0.19)	0.14(0.16)	0.12(0.14)	0.12(0.14)		
Stability at Low Temperature	Measurement frequency : 120Hz								
	Rated voltage(V)	4	6.3	10	16	25	35	50	
Impedance ratio ZT/Z20(MAX.)	Z-25°C/Z+20°C	7	4	3	2	2	2	2	
Z-40°C/Z+20°C	15	8	8	4	4	3	3		
Load Life	After 2000 hours' application of rated voltage at 85°C, capacitors meet the characteristics requirements listed at right.		Capacitance change		Within ±20% of initial value (Within ±25% for 4V and φ 3 units)				
			tan δ		200% or less of initial specified value				
			Leakage Current		Initial specified value or less				
Shelf Life	After leaving capacitors under no load at 85°C for 1000 hours, they meet the specified value for load life characteristics listed above.								
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 characteristics requirements listed at right.		Capacitance change		Within ±10% of initial value				
			tan δ		Initial specified value or less				
			Leakage current		Initial specified value or less				
Marking	Black print on the case top.								
Applicable Standards	JIS C-5141 and JIS C-5102.								

Chip Type



- ※ Voltage mark for 6.3V is 「6V」.
- ※ In case of marking for 3φ units, "V" for rated voltage is omitted and Lot No. is expressed only by a digit (month code).

Type numbering system (Example: 16V 10μF)



Dimensions

Cap. (μF)	Code	4		6.3		10		16		25		35		50	
		OG		OJ		1A		1C		1E		1V		1H	
0.1	OR1													4(3)	1.0
0.22	R22													4(3)	2.0
0.33	R33													4(3)	2.8
0.47	R47													4(3)	4.0
1	010													4(3)	8.4(8.0)
2.2	2R2											3	8.4	4(3)	13(10)
3.3	3R3											3	10	4	17
4.7	4R7									4(3)	16(12)	4	18	5	20
10	100							4(3)	23(18)	5	27	5	29	6.3	33
22	220	3	19	4(3)	28(21)	5	33	5	37	6.3	42	6.3	46	8	52
33	330	4	28	5	37	5	41	6.3	49	6.3	52	8	62	8	71
47	470	4	33	5	45	6.3	52	6.3	58	8	70	8	80		
100	101	5	56	6.3	70	6.3	76	6.3	86	8	95				
220	221	6.3	96	8	110	8	135								
330	331	8	145	8	170										

() is also available with φ 3mm upon request.

Allowable Ripple (mA rms) at 85°C 120Hz

■ Taping Specifications are given in page 18.