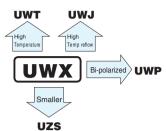


5.5mmL Chip Type



- Chip type with 5.5mm height.
- Designed for surface mounting on high density PC board.
- Applicable to automatic mounting machine fed with carrier tape.
- Load life of 2000 hours at 85°C.
- Compliant to the RoHS directive (2011/65/EU,(EU)2015/863).
- AEC-Q200 compliant. Please contact us for details.

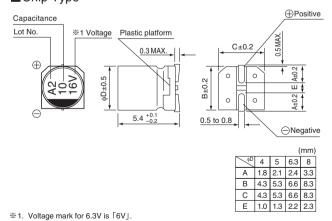




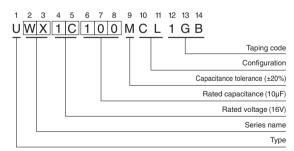
■Specifications

Item	Performance Characteristics												
Category Temperature Range	-40 to +85°C												
Rated Voltage Range	4 to 50V												
Rated Capacitance Range	1 to 330μF												
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 0.01CV or 3 (µA) ,whichever is greater.												
	Measurement frequency : 120Hz at 20°C												
Tangent of loss angle (tan δ)	Rated voltage (V)	4	6.3	10		16	25	5	35	50			
	tan δ (MAX.)	0.35 (0.40)	0.26 (0.30)	0.20 (0.2	24) 0.16	6 (0.19)	0.14 (0.16) 0.	12 (0.14)	0.12 (0.14)	Valu	ues in () applicab	le to WR.
	Measurement frequency : 120Hz												
O(-1-17)	Rated vo	oltage (V)		4	6.3	1	0	16	25	35	50		
Stability at Low Temperature	Impedance ratio	Z-25°C /	Z+20°C	7	4		3	2	2	2	2		
	ZT / Z20 (MAX.)	Z-40°C /	Z+20°C	15	8		В	4	4	3	3		
	The specifications listed at right shall be met Capacitance change Within ±20% of the initial capacitance value (Within ±25% for 4 V and WR series units)											R series units)	
Endurance	when the capacitors are restored to 20°C after					tan δ			200% or less than the initial specified value				i sorios uritoj
2.100.01.00	the rated voltage in 85°C.	Le					or equal to the initial specified value						
Shelf Life	After storing the conscitors under no load at 95°C for 1000 hours and then performing voltage treatment based on IIS C 5101.4												
	The capacitors are kept on a hot plate for 30 seconds, which is Capacitance change Within ±10% of the initial capacitance										nce value		
Resistance to soldering	maintained at 250°C. The capacitors shall meet the						tan δ			Less than or equal to the initial specified value			
heat	characteristic requirements listed at right when they are removed from the plate and restored to 20°C. Leakage current Leakage current Leakage current Leakage current												
Marking	Black print on the case top.												

■Chip Type



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





■ Dimensions

V		4		6.3		10		16		25		35		50	
Cap. (µF) Code		0G		0J		1A		1C		1E		1V		1H	
1	010													4	8.4
2.2	2R2				-		1		1					4	13
3.3	3R3													4	17
4.7	4R7				!		!		1	4	16	4	18	•5	20 (18)
10	100				1		İ	4	23	•5	27 (24)	•5	29 (24)	∘6.3	33 (30)
22	220			4	28	• 5	33 (30)	•5	37 (30)	∘6.3	42 (38)	∘6.3	46 (39)	□8	52 (43)
33	330	4	28	•5	37 (34)	• 5	41 (34)	∘6.3	49 (44)	∘6.3	52 (46)	□8	62 (53)	8	71
47	470	4	33	•5	45 (40)	° 6.3	52 (47)	∘6.3	58 (52)	□8	70 (60)	8	80		
56	560	5	42	∘6.3	52 (46)	° 6.3	57 (50)	∘6.3	63 (57)	□8	76 (65)				
100	101	5	56	∘6.3	70 (47)	∘ 6.3	76 (54)	6.3	86	8	110				
150	151	6.3	79	6.3	71	□8	111 (76)								
220	221	6.3	96	□8	110 (74)	8	135		i		i		i	Case size	Rated
330	331	8	145	8	170									φD (mm)	ripple

Size $\varphi 4$ is available for capacitors marked. " $^{\circ}$ " Size $\varphi 5$ is available for capacitors marked. " $^{\circ}$ " $^{$

In such a case, $\overline{\mathbb{W}[R]}$ will be put at 2nd and 3rd digit of type numbering system.

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

• 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	

- Taping specifications are given in page 23.
- Recommended land size, soldering by reflow are given in page 18, 19.
- Please select UUR(p.168), UUG(p.174) if high C/V products are reqired.
- Please refer to page 3 for the minimum order quantity.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Nichicon:

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UWT1V4R7MCL1GB UWX0G101MCL1GB UWX0G101MCR1GB UWX0G220MCL2GB UWX0G220MCR2GB
UWX0G221MCL1GB UWX0G221MCR1GB UWX0G330MCL1GB UWX0G330MCR1GB UWX0G331MCR1GB
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