UZT

range of -40 to +105°C.

4.5mmL Chip Type, Wide Temperature Range

- Chip type with 4.5mm height, operating over wide temperature
- 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).

Values marked with an % in the dimension table are scheduled to be discontinued and are not recommended for new designs.

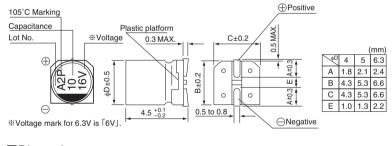
For SMD Smaller Anti-Solvent Feature UWT Smaller Smaller UZT



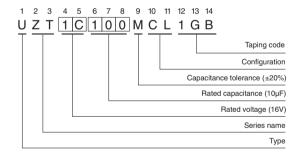
■ Specifications

Item				Dorfo	· · · · · · · · · · · · · · · · · · ·	Charastaristi				
	Performance Characteristics									
Category Temperature Range	-40 to +105°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, leakage current is not more than 0.01CV or 3 (µA), whichever is greater.									
		Me	nent frequency : 120Hz at 20°C							
Tangent of loss angle (tan δ)	Rated voltage (V) 6.3	10		16	25	35		50		
	tan δ (MAX.) 0.38	0.32		0.20	0.16	0.1	4	0.14		
	Measurement frequency : 120Hz									
Stability at Low Temperature	Rated voltage (V)		6.3	10	16		35	50		
Glability at Low Temperature	Impedance ratio Z-25°C / ZT / Z20 (MAX.) Z-40°C /		6 10	5 10	6	6	3	3		
	ZT / Z20 (MAX.) Z-40°C /	Z+20°C	10	10	6	6	4	4		
	The specifications listed at rig		Capacitance Within ±25% of the initial capacitance value (16V or less)							
Endurance	met when the capacitors are		change		ance value (25V or more)					
2.144.140	20°C after the rated voltage is	applied fo	r	tan δ		300% or less				
	1000 hours at 105°C.		L	Leakage	current	Less than or	equal to th	ne initial spec	cified value	
Shelf Life	After storing the capacitors un									C 5101-4
clause 4.1 at 20°C, they shall meet the specified values for the endurance characteristics listed above.										
Resistance to soldering	The capacitors are kept on a is maintained at 250°C. The c	icn	Capacitance	e change		10% of the initial capacita				
heat	characteristic requirements lis						or equal to the initial specif			
	removed from the plate and re	, 410	L	Leakage current Less than or equal to the initial specified value				ied value		
Marking	Black print on the case top.									
•										

■Chip Type



Type numbering system (Example: 16V 10µF)



■ Dimensions

	V	v 6.3		10		16		25		35		50	
Cap. (µF)	Code	0	J	1A		1C		1E		1V		1H	
0.1	0R1				 							*4	0.9
0.22	R22		i I		i I				i I		i	*4	2.2
0.33	R33		 		l I		1		 		 	%4	2.8
0.47	R47		 		l							*4	3.3
1	010				i I						İ	4	5.4
2.2	2R2		 		 				1		 	4	9.6
3.3	3R3				 							4	12
4.7	4R7		i I		İ			4	11	4	13	5	16
10	100				 	4	16	5	20	5	22	6.3	26
22	220	4	19	5	24	5	26	6.3	33	6.3	36		
33	330	5	26	5	30	6.3	35	6.3	42		I I		
47	470	5	32	6.3	40	6.3	44						
100	101	6.3	52		İ						 	Case size φ D (mm)	Rated ripple

Rated ripple current (mArms) at 105°C 120Hz

- Taping specifications are given in page 23.
- Recommended land size, soldering by reflow are given in page 18, 19.
- Please select UUX(p.152), UUJ(p.158) series if high C/ V products are reqired.
- Please refer to page 3 for the minimum order quantity.

• Frequency coefficient of rated ripple current

Trequericy coefficient of fated 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					