

nichicon

For SMD Smaller Anti-Solvent Feature

WT

Smaller

ZT

Smaller

ZG

-

Item	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.						
Tangent of loss angle (tan δ)	Measurement frequency : 120Hz at 20°C						
	Rated voltage (V)	6.3	10	16	25	35	50
	tan δ (MAX.)	0.38	0.32	0.20	0.16	0.14	0.14
Stability at Low Temperature	Measurement frequency : 120Hz						
	Rated voltage (V)		6.3	10	16	25	35
	Impedance ratio		Z-25°C / Z+20°C	6	5	3	3
	ZT / Z20 (MAX.)		Z-40°C / Z+20°C	10	10	6	4
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 1000 hours at 105°C.			Capacitance change	Within ±25% of the initial capacitance value (16V or less)		
				tan δ	300% or less than initial specified value		
				Leakage current	Less than or equal to the initial specified value		
Shelf Life	After storing the capacitors under no load at 105°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.						
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.				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	
Marking	Black print on the case top.						

105°C Marking

Capacitance

Lot No.

※ Voltage

Plastic platform

0.3 MAX.

C±0.2

0.5 MAX.

⊕ Positive

⊖ Negative

φD±0.5

4.5^{+0.1}_{-0.2}

B±0.2

E

A±0.3

0.5 to 0.8

	(mm)		
φD	4	5	6.3
A	1.8	2.1	2.4
B	4.3	5.3	6.6
C	4.3	5.3	6.6
E	1.0	1.3	2.2

※ Voltage mark for 6.3V is 「6V」.

1 2 3 4 5 6 7 8 9 10 11 12 13 14

U Z T 1 C 1 0 0 M C L 1 G B

Type

Series name

Rated voltage (16V)

Rated capacitance (10µF)

Capacitance tolerance (±20%)

Configuration

Taping code

V		6.3		10		16		25		35		50	
Cap. (µF)	Code	0J		1A		1C		1E		1V		1H	
0.1	0R1											4	0.9
0.22	R22											4	2.2
0.33	R33											4	2.8
0.47	R47											4	3.3
1	010											4	5.4
2.2	2R2											4	9.6
3.3	3R3											4	12
4.7	4R7							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				
47	470	5	32	6.3	40	6.3	44						
100	101	6.3	52									Case size (D mm)	Rated temp

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

- CAT.8100C

Mouser Electronics

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