

- UWT  
↓  
Smaller  
UZT  
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Smaller  
UZG



Item	Performance Characteristics							
Category Temperature Range	-40 to +105°C							
Rated Voltage Range	6.3 to 50V							
Rated Capacitance Range	1 to 100μF							
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.							
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	50
	Impedance ratio	Z-25°C / Z+20°C	6	5	3	3	3	3
	ZT / Z20 (MAX.)	Z-40°C / Z+20°C	10	10	6	6	4	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) Within ±20% of the initial capacitance value (25V or more)			
				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.

⊕ Positive

⊖ Negative

Plastic platform

0.3 MAX.

※ Voltage

φD±0.5

4.5  $\begin{smallmatrix} +0.1 \\ -0.2 \end{smallmatrix}$

C±0.2

B±0.2

A±0.3

E A±0.3

0.5 to 0.8

0.5 MAX.

※ Voltage mark for 6.3V is [6V].

	(mm)		
$\phi D$	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

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

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.8100K

UZZ

## ■Dimensions

Rated Voltage (V) (code)	Rated Capacitance (μF)	Case Size φD×L (mm)	tan δ	Leakage Current (μA) (at 20°C after 2 minutes)	Rated Ripple (mArms) (105°C/120Hz)	Part Number
6.3 (0J)	22	4×4.5	0.38	3	19	UZZ0J220MCL1GB
	33	5×4.5	0.38	3	26	UZZ0J330MCL1GB
	47	5×4.5	0.38	3	32	UZZ0J470MCL1GB
	100	6.3×4.5	0.38	6.3	52	UZZ0J101MCL1GB
10 (1A)	22	5×4.5	0.32	3	24	UZZ1A220MCL1GB
	33	5×4.5	0.32	3.3	30	UZZ1A330MCL1GB
	47	6.3×4.5	0.32	4.7	40	UZZ1A470MCL1GB
16 (1C)	10	4×4.5	0.20	3	16	UZZ1C100MCL1GB
	22	5×4.5	0.20	3.52	26	UZZ1C220MCL1GB
	33	6.3×4.5	0.20	5.28	35	UZZ1C330MCL1GB
	47	6.3×4.5	0.20	7.52	44	UZZ1C470MCL1GB
25 (1E)	4.7	4×4.5	0.16	3	11	UZZ1E4R7MCL1GB
	10	5×4.5	0.16	3	20	UZZ1E100MCL1GB
	22	6.3×4.5	0.16	5.5	33	UZZ1E220MCL1GB
	33	6.3×4.5	0.16	8.25	42	UZZ1E330MCL1GB
35 (1V)	4.7	4×4.5	0.14	3	13	UZZ1V4R7MCL1GB
	10	5×4.5	0.14	3.5	22	UZZ1V100MCL1GB
	22	6.3×4.5	0.14	7.7	36	UZZ1V220MCL1GB
50 (1H)	1	4×4.5	0.14	3	5.4	UZZ1H010MCL1GB
	2.2	4×4.5	0.14	3	9.6	UZZ1H2R2MCL1GB
	3.3	4×4.5	0.14	3	12	UZZ1H3R3MCL1GB
	4.7	5×4.5	0.14	3	16	UZZ1H4R7MCL1GB
	10	6.3×4.5	0.14	5	26	UZZ1H100MCL1GB

- For taping specifications, recommended land size/soldering by reflow and minimum order quantity, please refer to the Guidelines for Aluminum Electrolytic Capacitors.
- Please select UUX, UUU series if high C/V products are required.