

- UWT
↓
Smaller
UZT
↓
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) tan δ (max.)	6.3 0.38	10 0.32	16 0.20	25 0.16	35 0.14	50 0.14				
Stability at Low Temperature	Measurement frequency : 120Hz										
	Rated voltage (V)		6.3	10	16	25	35 50				
	Impedance ratio ZT / Z20 (max.)	Z(-25°C) / Z(+20°C) Z(-40°C) / Z(+20°C)	6 10	5 10	3 6	3 6	3 4 3 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					
Marking					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

Plastic platform
0.3 max.

※ Voltage

$\phi D \pm 0.5$

$C \pm 0.2$

0.5 max.

$B \pm 0.2$

$A \pm 0.3$

$E \pm 0.3$

4.5 $^{+0.1}_{-0.2}$

0.5 to 0.8

⊖ Negative

※ Voltage mark for 6.3V is 「6V」.

	(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

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

Taping code

Configuration

Capacitance tolerance ($\pm 20\%$)

Rated capacitance (10 μ F)

Rated voltage (16V)

Series name

Type

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.8100M

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 (mA _{rms}) (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.