ALUMINUM ELECTROLYTIC CAPACITORS

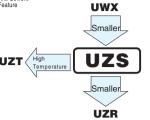
4.5mmL Chip Type







- Chip type with 4.5mm height.
- 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,(EU)2015/863).
- AEC-Q200 compliant. Please contact us for details.

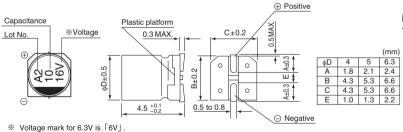




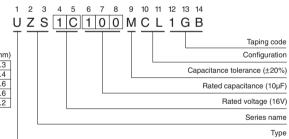
■Specifications

Item	Performance Characteristics												
Category Temperature Range	-40 to +85°C												
Rated Voltage Range	4 to 50V												
Rated Capacitance Range	1 to 220µF												
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 0.01 CV or 3 (µA) ,whichever is greater.												
	Measurement frequency: 120Hz at 20°C												
Tangent of loss angle (tan δ)	Rated voltage (V)	4	4 6.3		10		16	25		35	50		
,	tan δ (MAX.)	0.50	0.50 0.30		0.24	4	0.19 0.16		3	0.14	0.14		
	Measurement frequency: 120Hz												
Out 177 at La Tanana at a	Rated voltage (V)		4	6.3		10	16	2	25	35	50		
Stability at Low Temperature	Impedance ratio Z-25°C / Z-		7	4		3	2		2	2	2		
	ZT / Z20 (MAX.) Z-40°C / Z-	-20°C	15	8		8	4		4	3	3		
	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated tan δ							citance change Within ±2			20% of the initial capacitance value		
Endurance								200% o			or less than the initial specified value		
	voltage is applied for 2000 hours at 85°C. Leakage current Less than or equal to the initial specified value										initial specified value		
Shelf Life	After storing the capacitors under no load at 85°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		
											Less than or equal to the initial specified value		
								Leakage current Less than or equal to the initial s			I to the initial specified value		
Marking	Black print on the case top.												

■Chip Type



Type numbering system (Example: 16V 10µF)



Dimensions

V 4		4	6.3		10		16		25		35		50		
Cap. (µF)	Code	0	G	0J		1A		1C		1E		1V		1H	
1	010		!		!		!		 		1		!	4	8.4
2.2	2R2		i		i		i		İ		İ		i	4	13
3.3	3R3		1		i i		i i		i I		1		i i	4	17
4.7	4R7				1					4	16	4	18	5	20
10	100		İ		i		i	4	23	5	27	5	29	6.3	33
22	220		!	4	28	5	33	5	37	6.3	42	6.3	46		!
33	330	4	28	5	37	5	41	6.3	49	6.3	52				
47	470	4	33	5	45	6.3	52	6.3	58		İ		i i		I I
100	101	5	56	6.3	70		!		 				!		! !
220	221	6.3	96				i		İ		İ		i	Case size	Rated

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

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 regired.
- Please refer to page 3 for the minimum order quantity.

Mouser Electronics

Authorized Distributor

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Nichicon:

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UZS0J220MCL1GB UZS1E220MCL1GB UZS1H0R1MCL1GB UZR1V4R7MCL1GB UZS0G330MCL1GB
UZS0G470MCL1GB UZS0G101MCL1GB UZS0G221MCL1GB UZS0J330MCL1GB UZS0J470MCL1GB
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UZS1HR47MCL1GB UZS1H010MCL1GB UZS1H2R2MCL1GB UZS1H3R3MCL1GB UZS1H4R7MCL1GB
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