ALUMINUM ELECTROLYTIC CAPACITORS

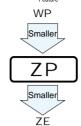
4.5mmL Chip Type, Bi-Polarized series







- 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).



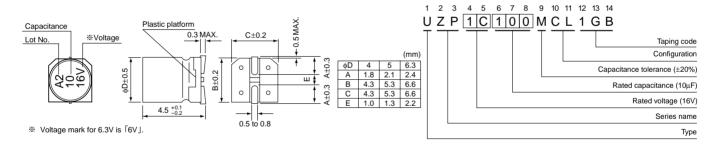


■Specifications

Item	Performance Characteristics											
Category Temperature Range	-40 to +85°C											
Rated Voltage Range	6.3 to 50V											
Rated Capacitance Range	0.1 to 47μF											
Capacitance Tolerance	±20% at 120Hz, 20°C											
Leakage Current	After 2 minutes' application of rated voltage, leakage current is not more than 0.05 CV or 10 (µA), whichever is greater.											
	Measurement frequency : 120Hz at 20°C											
Tangent of loss angle (tan δ)	Rated voltage (V)	6.3		10	16		25	35	_	50		
	tan δ (MAX.)	0.30	0	.24	0.20	0	0.18	0.16	6	0.16		
	Measurement frequency: 120Hz											
Chalailin and Laur Tanananan	Rated voltage (V)		6.3 10			16	25	;	35	50		
Stability at Low Temperature	Impedance ratio Z-25°C / Z-		4	3		2	2	_	2	2		
	ZT / Z20 (MAX.) Z-40°C / Z-	+20°C	8	8		4	4		3	3		
								tance change Within ±20% of the initial capacitance value				
Endurance	the capacitors are restored to 20°C after the rated voltage is applied for 2000 hours at 85°C with the						300% or less f				han the initial specified value	
	polarity inverted every 250 ho		o With	tne		Leaka	ge curren	t	Less	than or e	qual to the initial specified value	
Shelf Life	After storing the capacitors unclause 4.1 at 20°C, they shall										reatment based on JIS C 5101-4 above.	
Resistance to soldering	The capacitors are kept on a hot plate for 30 seconds, which is maintained at 250°C. The capacitors shall meet the							Capacitance change Within ±10% of the initial capacitance value				
											than or equal to the initial specified value	
heat	characteristic requirements lis removed from the plate and re			n they a	are		Leakage	curre	nt		an or equal to the initial specified value	
Marking	Black print on the case top.											

■Chip Type

Type numbering system (Example : 16V 10µF)



■ Dimensions

	V	6.	.3	1	0	1	6	2	5	3	5	5	0
Cap. (µF)	F) Code 0J 1A		A	1C		1E		1V		1H			
0.1	0R1											4	1.0
0.22	R22		i i								İ	4	2.0
0.33	R33											4	2.8
0.47	R47		İ		İ						İ	4	4.0
1	010											4	8.4
2.2	2R2		i I		i I					4	8.4	5	13
3.3	3R3							5	12	5	16	5	17
4.7	4R7					4	12	5	16	5	18	6.3	20
10	100			4	17	5	23	6.3	27	6.3	29		
22	220	5	28	6.3	33	6.3	37				i I		
33	330	6.3	37	6.3	41	6.3	49				l !		!
47	470	6.3	45									Case size	Rated ripple

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

Frequency coefficient of rated ripple current

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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 WP(p.120), UN(p.166) series if high C/V products are reqired.
- Please refer to page 3 for the minimum order quantity.

Mouser Electronics

Authorized Distributor

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Nichicon:

UZP1E3R3MCL1GB UZG0J470MCL1GB UZG1A220MCL1GB UZG1A330MCL1GB UZG1A470MCL1GB
UZG1C100MCL1GB UZG1C220MCL1GB UZG1C330MCL1GB UZG1C470MCL1GB UZG1E100MCL1GB
UZG1E220MCL1GB UZG1E330MCL1GB UZG1E4R7MCL1GB UZG1H010MCL1GB UZG1H0R1MCL1GB
UZG1H100MCL1GB UZG1H2R2MCL1GB UZG1H3R3MCL1GB UZG1H4R7MCL1GB UZG1HR22MCL1GB
UZG1HR33MCL1GB UZG1HR47MCL1GB UZG1V100MCL1GB UZG1V220MCL1GB UZG1V4R7MCL1GB
UZP1C100MCL1GB UZP1V100MCL1GB