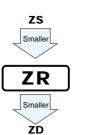
ALUMINUM ELECTROLYTIC CAPACITORS

nichicon





- Chip type with 3.95mmLMAX height.
- Designed for surface mounting on high density PC board.
- Applicable to automatic mounting machine using carrier tape.
- Adapted to the RoHS directive (2002/95/EC).

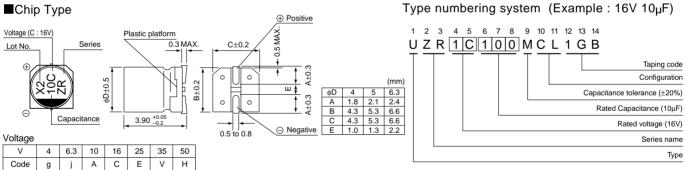




Specifications

Item		Performance Characteristics								
Category Temperature Range	-40 to +85°C									
Rated Voltage Range	4 to 50V									
Rated Capacitance Range	0.1 to 220µF	1 to 220µF								
Capacitance Tolerance	±20% at 120Hz	z, 20°C								
Leakage Current	After 2 minutes	After 2 minutes' application of rated voltage, leakage current is not more than 0.01 CV or 3 (μA), whichever is greater.								
	Rated vo	Rated voltage (V) 4 6.3 10 16 25 35 50 120Hz 20°C								
tan δ	tan δ (tan δ (MAX.) 0.50 0.30 0.24 0.19 0.16 0.14 0.14								
	Rated voltage (V) 4 6.3 10 16 25 35 56						50	120Hz		
Stability at Low Temperature	Impedance ratio	Z-25°C / Z+20°C	7	4	3	2	2	2	2	
remperature	ZT / Z20 (MAX.) Z-40°C / Z+20			8	8	4	4	3	3	
	After 4000 hours	tre topo le la								
Endurance	After 1000 hours' application of rated voltage at 85°C, capacitors meet the characteristic requirements listed at right.									
	Leakage current Initial specified value or less								ess	
Shelf Life	After storing the capacitors under no load at 85°C for 1000 hours, and after performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they will meet the specified value for endurance characteristics listed above.									
Resistance to soldering heat	The capacitors shall be kept on the hot plate maintained at 250°C for 30 seconds. After removing from the hot plate and restored at room temperature, they meet the characteristic requirements listed at right. Capacitance change Within $\pm 10\%$ of initial value they meet the characteristic requirements listed at right. Lakage current Initial specified value or less									
Marking										

Chip Type



Dimensions

	V		4	6	.3	1	0	1	6	2	25	:	35	5	0
Cap. (μF)	Code	0	G	0	IJ	1	A	1	С	1	E	1	IV	1	Н
0.1	0R1													4	1.0
0.22	R22				1		 						-	4	2.0
0.33	R33						1						1	4	2.8
0.47	R47		Ì		i		i I				Ì			4	4.0
1	010		1		1		i I		1		i I		1	4	8.4
2.2	2R2													4	13
3.3	3R3		İ		i I		i I				İ			4	17
4.7	4R7						1			4	16	4	18	5	20
10	100						1	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				1		
100	101	5	56	6.3	70		İ				İ		1		
220	221	6.3	96											Case size	Rated ripple

Rated Ripple (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						
Coefficient 0.70 1.00 1.17 1.36 1.50	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 are given in page 18.
- · Please contact us for the soldering by reflow.

• Please refer to page 3 for the minimum order quantity.

