ALUMINUM ELECTROLYTIC CAPACITORS

3.0mmL Chip Type series







- Chip type with 3.0mmL height.
- Designed for surface mounting on high density PC board.
- Applicable to automatic mounting machine fed with carrier tape.
- Compliant to the RoHS directive (2002/95/EC).

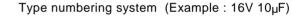


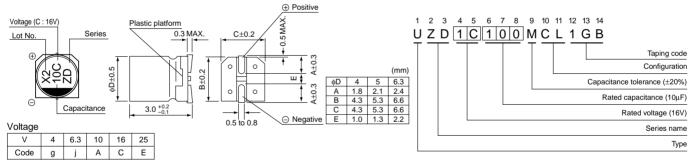


■ Specifications

Item	Performance Characteristics										
Category Temperature Range	-40 to +85°C										
Rated Voltage Range	4 to 25V										
Rated Capacitance Range	2.2 to 100μF										
Capacitance Tolerance	· · · · · · · · · · · · · · · · · · ·										
Leakage Current											
Tangent of loss angle (tan δ)	Rated voltage (V)		4	6.3	10	16	25	120Hz 2	20°C		
	tan δ (MAX.)		0.50	0.40	0.30	0.24	0.19				
	Rated voltage (V)		4	6.3	10	16	25	120Hz			
Stability at Low	Impedance ratio	Z-25°C / Z+20°C	7	4	3	2	2				
Temperature	ZT / Z20 (MAX.)	Z-40°C / Z+20°C	15	8	8	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 85°C. Capacitance $\tan \delta$ Leakage curr							0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
								300% or less than the initial specified value ent Less than or equal to the 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	250°C. The capacitors shall meet the characteristic requirements listed at tan δ Less than or equal to the initial				Within ±10% of the initial capacitance value Less than or equal to the initial specified value Less than or equal to the initial specified value						
Marking	Black print on the case top.										

■Chip Type





■ Dimensions

	V	4	4	6	.3		10	1	6	2	:5
Cap. (μF)	Code	0G		0J		1A		1C		1E	
2.2	2R2				l I					4	7
3.3	3R3		i i		İ		İ		i	4	11
4.7	4R7									4	16
5.6	5R6		i I				į			5	18
6.8	6R8									5	20
10	100		l I		i		İ	5	23	6.3	27
22	220	4	20	5	28	5	33	6.3	37		
33	330	5	28	5	37	6.3	41				
47	470	5	33	6.3	45				!	Case size	Rated
100	101	6.3	56	6.3	70		İ			φD (mm)	ripple

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

Frequency coefficient of rated ripple current

or requested exercises or rated approximation									
	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 refer to page 3 for the minimum order quantity.