ALUMINUM ELECTROLYTIC CAPACITORS







 Chip type with 3.95mmLMAX height. Operating over wide temperature range of -40 ~ +105°C.

- 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).



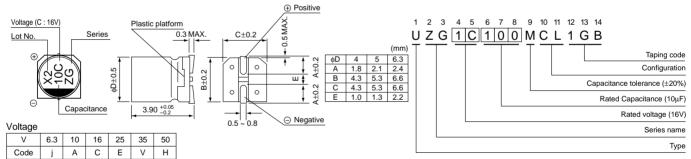


Specifications

Item	Performance Characteristics										
Category Temperature Range	−40 ~ +105°C	-40 ~ +105°C									
Rated Voltage Range	6.3 ~ 50V	5.3 ~ 50V									
Rated Capacitance Range	0.1 ~ 100µF).1 ~ 100μF									
Capacitance Tolerance	±20% at 120Hz	±20% at 120Hz, 20°C									
Leakage Current	After 2 minutes' application of rated voltage, leakage current is not more than 0.01 CV or 3 (µA), whichever is greater.										
1 5	Rated voltage (V)		6.3	10	16	25	35	50	120Hz 20°C		
tan δ	tan δ (MAX.)		0.38	0.32	0.20	0.16	0.14	0.14			
Stability at Low Temperature	Rated voltage (V)		6.3	10	16	25	35	50	120Hz		
	Impedance ratio ZT / Z20 (MAX.)	Z–25°C / Z+20°C	6	5	3	3	3	3			
		Z–40°C / Z+20°C	10	10	6	6	4	4			
Endurance	After 4000 hours and instantion of anticidual to the second secon										
	After 1000 hours' application of rated voltage at 105°C, capacitors meet the characteristic requirements listed at right.								s of initial specified value		
	Leakage current Initial specified value or less										
Shelf Life	After storing the capacitors under no load at 105°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	Capacitance change		Within ±10% of initial value					
	seconds. After	removing from t		Initial specified value or less							
	they meet the characteristic requirements listed at right. Leakage current Initial specified value or less										
Marking	Black print on the case top.										

Chip Type

Type numbering system (Example : $16V \ 10\mu F$)



Dimensions

	V	6.3		10		16		25		35		50	
Сар. (µF)	Code	0	J	1A		1C		1E		1V		1H	
0.1	0R1											4	0.9
0.22	R22											4	2.2
0.33	R33											4	2.8
0.47	R47											4	3.3
1	010		1									4	5.4
2.2	2R2											4	9.6
3.3	3R3		1									4	12
4.7	4R7							4	11	4	13	5	16
10	100		1			4	16	5	20	5	22	6.3	26
22	220	4	19	5	24	5	26	6.3	33	6.3	36		
33	330	5	26	5	30	6.3	35	6.3	42		Ì		
47	470	5	32	6.3	40	6.3	44						
100	101	6.3	52									Case size	Rated ripple

Rated Ripple (mArms) at 105°C 120Hz

• Taping specifications are given in page 24.

• Recommended land size are given in page 25.

• Please contact us for the soldering by reflow.

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



• Frequency coefficient of rated ripple current

Frequency 50 Hz 120 Hz 300 Hz 1 kHz 10 kHz- 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~
	Coefficient	0.70	1.00	1.17	1.36	1.50