ALUMINUM ELECTROLYTIC CAPACITORS



• 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).

Products which are scheduled to be discontinued. Not recommended for new designs



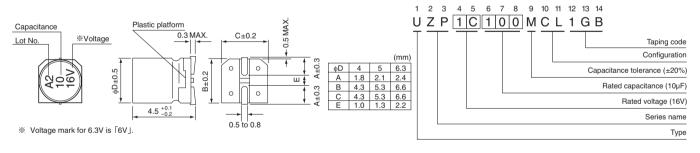


■Specifications

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		0		
	tan δ (MAX.)	0.30	0.2	24	0.20		0.18	0.16	0.16			
	Measurement frequency: 120Hz											
Out till Towns of the	Rated voltage (V)	(6.3 10		10	6	25	(35 50			
Stability at Low Temperature	Impedance ratio Z-25°C / Z	:+20°C	4	3	2	2	2		2	2		
	ZT / Z20 (MAX.) Z-40°C / Z	:+20°C	8	8	4	ļ.	4		3	3		
	the capacitors are restored to 20°C after the rated tan δ							tance change Within ±20% of the initial capacitance value				
Endurance								300% or les			han the initial specified value	
	voltage is applied for 2000 ho polarity inverted every 250 ho		with t	the	Le	akag	e current		Less th	Az at 20°C 50 0.16 acy: 120Hz 50 2 3 bin ±20% of the initial capacitance value 9% or less than the initial specified value so than or equal to the initial specified value g voltage treatment based on JIS C 510 stics listed above. e Within ±10% of the initial capacitance v Less than or equal to the initial specified	qual 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	The capacitors are kept on a	econds	, which	is [Capacitance change Within ±10% of the initial capacitance value							
	maintained at 250°C. The cap			ŀ					· ·			
heat	characteristic requirements list removed from the plate and re	ire	į	Leakage	curre		Less than or equal to the initial specified v					
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) Code		0J		1A		1C		1E		1V		1H	
0.1	0R1											4	1.0
0.22	R22								l I		i	4	2.0
0.33	R33				l I		1		l I		I I	4	2.8
0.47	R47						!		 		!	4	4.0
1	010								 			4	8.4
2.2	2R2				i I		i I		l 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		l I		I I		
33	330	6.3	37	6.3	41	6.3	49						
47	470	6.3	45						İ		i	Case size φD (mm)	Rated ripple

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

Frequency coefficient of rated ripple current

•			P P P P P		
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.116), UN(p.162) series if high C/V products are regired.
- Please refer to page 3 for the minimum order quantity.

CAT.8100D