ALUMINUM ELECTROLYTIC CAPACITORS









- 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).

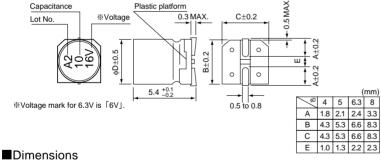




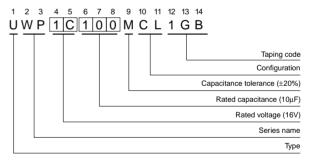
■Specifications

Item	Performance Characteristics										
Category Temperature Range	-40 to +85°C										
Rated Voltage Range	6.3 to 50V										
Rated Capacitance Range	0.1 to 100μF										
Capacitance Tolerance	±20% at 120Hz, 20°C										
Leakage Current	After 2 minutes' application of rated voltage, leakage current is not more than 0.05CV or 10 (µA) ,whichever is greater.										
	Measurement frequency: 120Hz at 20°C										
Tangent of loss angle (tan δ)	Rated voltage (V)	6.3		0	16	25	35		50]	
3	tan δ (MAX.)	0.24	0.3	20	0.17	0.17	0.15	5	0.15		
	Measurement frequency : 120Hz										
Chaliffer at Law Tarranastors	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	6	4	4	3	3		
	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 change		Within ±20% of the initial capacitance value			
Endurance					tan δ	o ourront	_	200% or less than the initial specified value Less than or equal to the initial specified value			
	with the polarity in	verted every 2	Leakay	Leakage current Less			Trail or equal to the iritial 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-							5101-4				
clause 4.1 at 20°C, they shall meet the specified values for the endurance characteristics listed above.											
Resistance to soldering heat	The capacitors are kept on a hot plate for 30 seconds, which is maintained at 250°C. The capacitors shall meet the characteristic requirements listed at right when they are removed from the plate and restored to 20°C.						Capacitance change Within ±10% of the initial capacitance value				
							tan δ		Less than or equal to the initial specified value		
							Leakage current Less than or equal to the		to the initial specifie	ed value	
Marking	Black print on the case top.										

■Chip Type



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



	V	6.	.3	1	0	1	6	2	5	3	35	5	0
Cap. (µF)	Code	0	J	1	A	1	С	1	E	1	V	11	Н
0.1	0R1											4	1.0
0.22	R22						1		i I		i i	4	2.0
0.33	R33										!	4	2.8
0.47	R47						1					4	4.0
1	010						}		 		!	4	8.4
2.2	2R2									4	8.4	5	13
3.3	3R3						İ	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	8	36
22	220	5	28	6.3	33	6.3	37	8	50	8	54		
33	330	6.3	37	6.3	41	6.3	49	8	61		i		
47	470	6.3	45	8	61	8	75		! !		!		Rated
100	101	8	82									Case size	ripple

Rated ripple current (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

- Taping specifications are given in page 23.
- Recommended land size, soldering by reflow are given in page 18, 19.
- Please select UN(p.118) series if high C/V products are reqired.
- Please refer to page 3 for the minimum order quantity.

CAT.8100B