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).

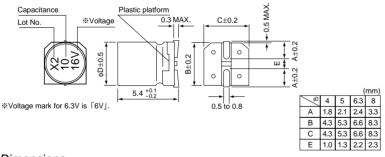




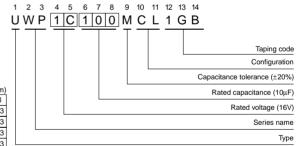
■ Specifications

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, Temperature : 20°C										
Tangent of loss angle (tan δ)	Rated voltage (V)	Rated voltage (V) 6.3		0	16	25	35		50		
	tan δ (MAX.)	0.24	0.3	20	0.17	0.17	0.15		0.15		
						V	1easureme	nt freque	ncy : 120Hz	2	
Ctability at Law Taganasatura	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.)	XX.) 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					tance change	0				
Endurance	rated voltage is applied for 1000 hours at 85°C				tan δ			200% or less than the initial specified value			
	with the polarity inverted every 250 hours. Leakage current Less than or equal to the initial specified with the polarity inverted every 250 hours.								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.										
	The capacitors are			Capacita	Capacitance change Within ±10% of the initial capacitance value						
Resistance to soldering	is maintained at 250°C. The capacitors shall meet the						tan δ		Less than or equal to the initial specified value		
heat	characteristic requirements listed at right when they are removed from the plate and restored to 20°C.					Leakage	Leakage current		Less than or equal to the initial specified value		
Marking	Black print on the case top.										

■Chip Type



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



■Dimensions

	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	1	H
0.1	0R1											4	1.0
0.22	R22						1					4	2.0
0.33	R33				ļ		ļ				!	4	2.8
0.47	R47						1					4	4.0
1	010						1					4	8.4
2.2	2R2									4	8.4	5	13
3.3	3R3				İ		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				
47	470	6.3	45	8	61	8	75				!		Rated
100	101	8	82				1					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.104) series if high C/V products are reqired.
- Please refer to page 3 for the minimum order quantity.