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).

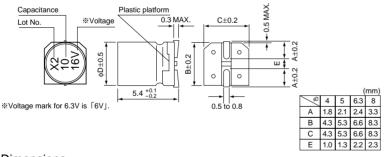




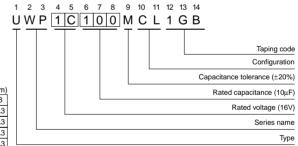
■Specifications

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.						er 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	0.2	20	0.17	0.17	0.15		0.15			
						ı	Measuremen	t freque	ency: 120Hz			
O(-1.17)	Rated	voltage (V)		6.3	10	16	25	35	50			
Stability at Low Temperature	Impedance ratio	Z-25°C / Z+	-20°C	4	3	2	2	2	2			
	ZT / Z20 (MAX.)	Z-40°C / Z+	-20°C	8	6	4	4	3	3			
Endurance	The specifications when the capacito rated voltage is ap	tan δ	tance change	200% or	less thar	0% of the initial capacitance value						
	with the polarity in	verted every 2	50 hour	s.	Leakag	e current	Less than	or equal	to the initial s	specified value		
Shelf Life	After storing the ca								oltage treatment based on JIS C 5101-4 cs listed above.			
Resistance to soldering heat	is maintained at 25 characteristic requ	itors are kept on a hot plate for 30 seconds, which ed at 250°C. The capacitors shall meet the tic requirements listed at right when they are om the plate and restored to 20°C.				tan δ	ance change	Less	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



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



■Dimensions

	V	6	.3	1	0	1	16	2	25	3	35	5	0
Cap. (µF) Code		0J		1A		1C		1E		1V		1H	
0.1	0R1				!				!			4	1.0
0.22	R22				i				i			4	2.0
0.33	R33				! !				!		!	4	2.8
0.47	R47											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				
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.110) series if high C/V products are reqired.
- Please refer to page 3 for the minimum order quantity.