ALUMINUM ELECTROLYTIC CAPACITORS







- Chip type, low impedance temperature range up to +105°C.
- 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).

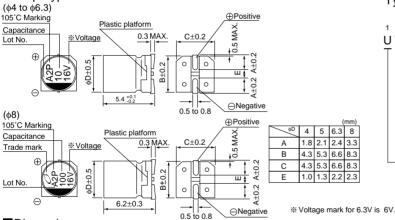




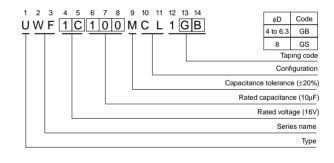
■ Specifications

- Opecinications											
Item	Performance Characteristics										
Category Temperature Range	−55 to +105°C										
Rated Voltage Range	6.3 to 35V										
Rated Capacitance Range	1 to 220µF										
Capacitance Tolerance	±20% at 120Hz, 20℃										
Leakage Current	After 2 minutes' application of rated voltage, leakage current is not more than 0.01CV or 3 (µA), whichever is greater.										
	Measurement frequency : 120Hz at 20°C										
Tangent of loss angle (tan δ)	Rated voltage (V) 6.3		10	16	2	:5	35				
	tan δ (MAX.)	0.22	0.19	0.16	0.	14	0.12				
					Measurem	ent freque	ency : 120H	Hz			
O(-1.35)	Rated voltage (V)		6.3	10	16	25	35				
Stability at Low Temperature	Impedance ratio	Z-25° C / Z+2	20°C 2	2	2	2	2				
	ZT / Z20 (MAX.)	20°C 4	4	3	3	3					
	The specifications			Capacitance change			Within ±20% of the initial capacitance value				
Endurance	the capacitors are		rated	tan δ		_	6 or less than the initial specified value				
	voltage is applied	for 1000 hour	s at 105°C.		Leakage	e current	Less	nan or equal to the initial specified value			
Shelf Life	After storing the cap 20° C, they shall me							ge treatment based on JIS C 5101-4 clause 4.1 a			
	The capacitors are				Capaci	tance char	ange Within ±10% of the initial capacitance value				
Resistance to soldering	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.							Less than or equal to the initial specified value			
heat							ge current				
Marking	Black print on the ca	ise top.									

■Chip Type



Type numbering system (Example: 16V 10µF)



■ Dimensions

_ Dillionolon																
	V		6.3			10			16			25			35	
Cap. (µF)	Code		0J			1A			1C			1E			1V	
1	010		l I			l I	l I		l I	1		1		4	5.0	50
1.5	1R5		l I	I		l I	l		l I			l I	1	4	5.0	50
2.2	2R2		l I	1		l I	1		 	1		 	1	4	5.0	50
3.3	3R3		l I			l I			 	1		l I	1	4	5.0	50
4.7	4R7		l I			 			 	1	4	5.0	50	4	5.0	50
6.8	6R8		I I			l I			I I	 	4	5.0	¦ 50	5	2.6	80
10	100		I I			l I	 	4	5.0	¦ 50	5	2.6	¦ 80	5	2.6	¦ 80
15	150		I I			I I	 	5	2.6	¦ 80	6.3	1.3	¦ 115	6.3	¦ 1.3	¦ 115
22	220	4	¦ 5.0	50	5	2.6	80	5	2.6	¦ 80	6.3	1.3	¦ 115	6.3	1.3	115
33	330	5	2.6	80	5	2.6	80	6.3	1.3	¦ 115	6.3	1.3	¦ 115	8	0.8	150
47	470	5	2.6	80	6.3	1.3	115	6.3	1.3	115	8	0.8	150	8	0.8	150
68	680	6.3	1.3	115	6.3	1.3	115	8	0.8	150	8	0.8	150		İ İ	i
100	101	6.3	1.3	115	8	0.8	150	8	0.8	150		i I	İ		İ	i
150	151	8	0.8	150	8	0.8	150		l I	I I		l I	1	Case size	 I Impodance	Rated
220	221	8	0.8	150			İ		İ	İ		i	İ	φD (mm)	Impedance	Rated ripple

• Frequency coefficient of rated ripple current

Frequency	50 Hz	120 Hz	300 Hz	1 kHz	10 kHz or more
Coefficient	0.35	0.50	0.64	0.83	1.00

- Max. Impedance (Ω) at 20°C 100kHz Rated ripple current (mArms) at 105°C 100kHz
- Taping specifications are given in page 23.
- Recommended land size, soldering by reflow are given in page 18, 19.
- Please select UJ(p.116) series if high C/V products are regired.
- Please refer to page 3 for the minimum order quantity.