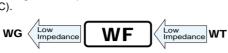
ALUMINUM ELECTROLYTIC CAPACITORS

Chip Type, Low Impedance



- Chip type, low impedance temperature range up to +105°C.
- Designed for surface mounting on high density PC board.
- Applicable to automatic mounting machine using carrier tape.
- Adapted to the RoHS directive (2002/95/EC).

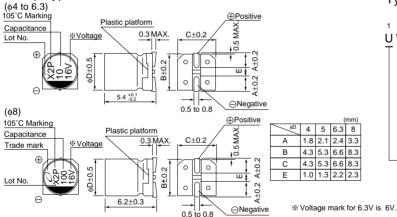




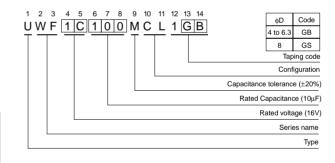
■Specifications

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	C								
Leakage Current	After 2 minutes' app	lication of rated						hichever is greater.		
	Measurement frequency : 120Hz, Temperature : 20°C									
tan δ	Rated voltage (V) 6.3			10 16		5	35			
	tan δ (MAX.)	0.22	0.19	0.16	0.	14	0.12			
	Measurement frequency : 120Hz									
O. 177	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.)	Z-55°C / Z+2	20°C 4	4	3	3	3			
	46001		1 1				NACO :	000/_ (1: 1: 1		
F. 1	After 1000 hours' ap	•	•		tan δ 200% o			20% of initial value		
Endurance	at 105°C, capacitor		acteristic					% or less of initial specified value		
	requirements listed	at right.			Leakage	current	Initial sp	ecified value or less		
	After storing the cap	acitors under n	o load at 105°C	for 1000 ho	urs, and af	ter performi	ng voltage trea	atment based on JIS C 5101-4 clause 4.1 at		
Shelf Life	20°C, they will mee						0 0			
	The capacitors shall	be kept on the	hot plate mainta	ained at 250	°C,	0		Within ±10% of initial value		
Resistance to soldering	for 30 seconds. After	n the hot plate a	and restored		Capacitance change tan δ Leakage current					
heat	at room temperature	e characteristic	requirement	s listed			Initial specified value or less			
	at right.				Leakage	current	Initial specified value or less			
Marking	Black print on the ca	ise top.								

■Chip Type



Type numbering system (Example: 16V 10µF)



Dimensions

V 6.3 Cap. (μF) Code OJ		10 1A			16 1C			25 1E			35 1V					
														1	010	
1.5	1R5		 	I			l I			I I		l I	1	4	5.0	50
2.2	2R2		 	1			l I		l	l I		l I	1	4	5.0	50
3.3	3R3		 	1			I I		l I	I I		I I	1	4	5.0	50
4.7	4R7		 	1			I I		l	I I	4	5.0	50	4	5.0	50
6.8	6R8		l I	1]]		l I	I I	4	5.0	50	5	2.6	¦ 80
10	100		 	1			J J	4	5.0	¦ 50	5	2.6	80	5	2.6	¦ 80
15	150		l 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	8.0	¦ 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		I I	i
100	101	6.3	1.3	115	8	0.8	150	8	0.8	150		l I	1		I I	1
150	151	8	0.8	150	8	0.8	150		1	I I		I I	1	Case size	l I Impodance	Rated
220	221	8	0.8	150			1		I	į .			İ		impedance	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

- Taping specifications are given in page 23.
- Recommended land size, soldering by reflow are given in page 18, 19.
- Please select UJ(p.92) series if high C/V products are reqired.
- Please refer to page 3 for the minimum order quantity

CAT.8100W