ALUMINUM ELECTROLYTIC CAPACITORS

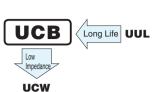




Chip Type, Long Life Assurance



- Chip type with load life of 7000 hours at +105°C.
- Applicable to automatic mounting machine fed with carrier tape.
- Compliant to the RoHS directive (2011/65/EU).

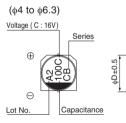


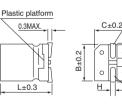


Specifications

Item	Performance Characteristics										
Category Temperature Range	-25 to +105°C										
Rated Voltage Range	6.3 to 50V										
Rated Capacitance Range	1 to 1000µF	1 to 1000µF									
Capacitance Tolerance	±20% at 120Hz, 2	0°C									
Leakage Current	After 2 minutes' ap	plication of rate	ed voltage a	t 20°C, le	akage curr	ent is	not more	than 0.03 C	V or 4 (μ A) , whichever is greater.		
						nt fre		0Hz at 20°C			
Tangent of loss angle (tan δ)	Rated voltage (V)		10	16	25		35 50				
	tan δ (MAX.)	0.32	0.28	0.26	0.16		0.14 0.14				
	Measurement frequency : 120Hz										
	Rated voltage (V)		6.3	10	16	25	35	50			
Stability at Low Temperature	Impedance ratioZT / Z20 (MAX.)		°C 4	3	2	2	2	2			
	The specifications listed at right shall be met Canacitance change Within +30% of the initial canacitance value										
Endurance	when the capacitor			tan δ	Capacitance change			Within ±30% of the initial capacitance value 300% or less than the initial specified value			
Endurance	after the rated volta		Leakage current			Less than or equal to the initial specified value					
	hours at 105°C.										
Shelf Life	After storing the capacitors under no load at 105°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			Canacita	Capacitance change Within ±10% of the initial capacitance						
Resistance to soldering	maintained at 250°						tan δ		Less than or equal to the initial specified value		
heat	requirements listed at right when they are removed from the plate							Less than or equal to the initial specified value			
Marking	Black print on the o	Black print on the case top.									

Chip Type





B±0.2

Plastic platform

0.3MAX.

L±0.5

Pressure relief vent



⊕Positive

5MA

A±0.2 | E | A

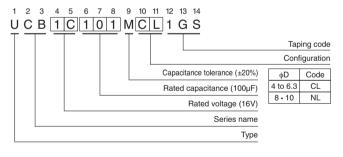
⊖Negative

C±0.2

С

Н

Type numbering system (Example : $16V \ 100\mu F$)



						(mm)
φD × L	4 × 7	5 × 7	6.3 × 7	6.3 × 8.7	8 × 10	10 × 10
А	1.8	2.1	2.4	2.4	2.9	3.2
В	4.3	5.3	6.6	6.6	8.3	10.3
С	4.3	5.3	6.6	6.6	8.3	10.3
E	1.0	1.3	2.2	2.2	3.1	4.5
L	7.0	7.0	7.0	8.7	10	10
н	0.5 to 0.8	0.5 to 0.8	0.5 to 0.8	0.5 to 0.8	0.8 to 1.1	0.8 to 1.1

Voltage

Lot No.

(\$8,\$10)

Voltage (V: 35V)

 \oplus

Θ

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Trade mark

· onago						
V	6.3	10	16	25	35	50
Code	j	А	С	Е	V	Н

D±0.5

Series

Capacitance

UCB

Dimensions

	V	6.3		10		16		25	25		35		50	
Cap.(µF)	Code	0J		1A		1C		1E		1V		1H		
1	010				1					4×7	6.2			
2.2	2R2		1		1					4×7	11			
3.3	3R3		1		1					4×7	14			
4.7	4R7				1					4×7	15			
10	100				1	4×7	18			5×7	25			
22	220	4×7	22		1	5×7	30		1	6.3×7	42			
33	330			5×7	35			6.3×7	48	6.3×8.7	57	8×10	77	
47	470	5×7	36		1	6.3×7	50	6.3×8.7	63			8×10	92	
100	101	6.3×7	60		 	6.3×8.7	81	8×10	116		1	10 × 10	151	
220	221	6.3×8.7	101	8×10	141					10×10	216			
330	331	8×10	160		1				1					
470	471		1		 	10 × 10	254		-			Case size		
1000	102	10×10	313						1			$\phi D \times L (mm)$	ripple	

Rated ripple current (mArms) at 105°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
oberneient	0.70	1.00	1.17	1.00	1.5

• Taping specifications are given in page 23.

Recommended land size, soldering by reflow are given

in page 18, 19.

• Please refer to page 3 for the minimum order quantity.