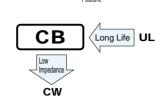
## **ALUMINUM ELECTROLYTIC CAPACITORS**

### nichicon



For SMD Long Life

- 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).

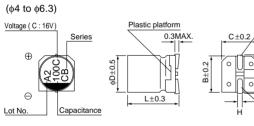




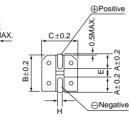
#### Specifications

Item	Performance Characteristics										
Category Temperature Range	-25 to +105°C										
Rated Voltage Range	6.3 to 50V										
Rated Capacitance Range	0.1 to 1000µF										
Capacitance Tolerance	±20% at 120Hz, 20°C	±20% at 120Hz, 20°C									
Leakage Current	After 2 minutes' applicat	tion of rated	l voltage, le	eakage c	urrent is no	t mor	e than 0.0	03 CV or 4 (j	A), whichever is greater.		
					Measureme	nt frea	quency : 12	20Hz at 20°C			
Tangent of loss angle (tan $\delta$ )	Rated voltage (V)	6.3	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 ratio ZT / Z20 (MAX.) Z-25	5°C / Z+20°C	2 4	3	2	2	2	120Hz at 20°C       50       0.14       juency : 120Hz       5       50       2   ±30% of the inition or less than the inan or equal to the informing voltage of the initian or equal to the informing voltage of the initian or equal to the ini			
	The specifications listed at right shall be met Capacitance change Within ±30% of the initial capacitance value								· · · · ·		
<b>F</b> 1 <b>1 1 1</b>	when the capacitors are			Capa tan δ	citance char	nge			•		
Endurance	after the rated voltage is				ige current				•		
	hours at 105°C.			Leake	ige current		LC35 than				
Shelf Life	After storing the capacit clause 4.1 at 20°C, they								ge treatment based on JIS C 5101-4 ed above.		
	The capacitors are kept on a hot plate for 30 seconds, which is							nce change	Within ±10% of the initial capacitance value		
Resistance to soldering	maintained at 250°C. Th						tan δ		Less than or equal to the initial specified value		
heat	requirements listed at rig and restored to 20°C.	ght when th	ey are rem	oved from	n the plate	ĺ		current	Less than or equal to the initial specified value		
Marking	Black print on the case	top.									

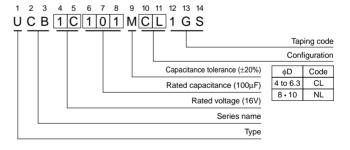
### Chip Type



Plastic platform



Type numbering system (Example : 16V 100µF)



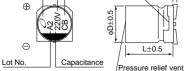
						(mm)
ØD × L	4 × 7	5 × 7	6.3×7	6.3×8.7	8×10	10 × 10
A	1.8	2.1	2.4	2.4	2.9	3.2
В	4.3	5.3	6.6	6.6	8.3	10.3
С	4.3	5.3	6.6	6.6	8.3	10.3
E	1.0	1.3	2.2	2.2	3.1	4.5
L	7.0	7.0	7.0	8.7	10	10
н	0.5 to 0.8	0.5 to 0.8	0.5 to 0.8	0.5 to 0.8	0.8 to 1.1	0.8 to 1.1

		$\mathcal{C}$
		V .

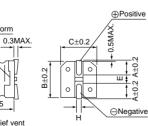
(\$8 to \$10)

Voltage (V: 35V)

Trade mark



Series



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

• Dimension table in next page.



### ALUMINUM ELECTROLYTIC CAPACITORS

# 

#### Dimensions

	V	6.3		10		16	i	25		35		50	
Cap.(µF)	Code	0J		1A		10	;	1E		1V	,	1H	
0.1	0R1									4×7	1.0		
0.22	R22				1					4×7	2.6		
0.33	R33						l			4×7	3.2		
0.47	R47						1			4×7	3.8		
1	010									4×7	6.2		
2.2	2R2									4×7	11		
3.3	3R3									4×7	14		
4.7	4R7						1			4×7	15		
10	100					4×7	18			5×7	25		
22	220	4×7	22			5×7	30			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			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		1			10×10	216		
330	331	8×10	160								-		
470	471				1	10×10	254					Case size	Rated
1000	102	10×10	313		1		-		1		1	$\phi D \times L (mm)$	Rated 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

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.