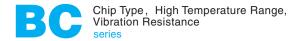
ALUMINUM ELECTROLYTIC CAPACITORS









- Highly dependable reliability withstanding load life of 1000 hours at +150°C.
- Suited for automobile electronics where heavy duty services are indispensable.
- Compliant to the RoHS directive (2011/65/EU).







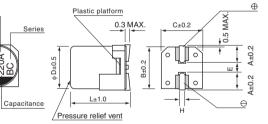
■ Specifications

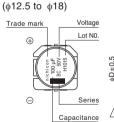
Item	Performance Characteristics									
Category Temperature Range	-40 to +150°C (φ8 to 10), -55 to +150°C (φ12.5 to 18)									
Rated Voltage Range	10 to 50V	10 to 50V								
Rated Capacitance Range	33 to 3300µF	33 to 3300μF								
Capacitance Tolerance	±20% at 120	±20% at 120Hz, 20°C								
Leakage Current	After 1 minut	After 1 minute's application of rated voltage, leakage current is not more than 0.03CV or 4 (µA), whichever is greater.								
	Rated voltage (V)		10	16	25	35	50	120Hz 20°C		
Tangent of less angle /tan %)	tan δ	φ8 · φ10	0.26	0.20	0.16	0.14	0.14			
Tangent of loss angle (tan δ)	(MAX.)	φ 12.5 to φ 18	0.22	0.18	0.16	0.14	0.12			
	For capacitance of more than 1000µF, add 0.02 for every increase of 1000µF.									
	Rated voltage (V)		10	16	25	35	50	120Hz		
Stability at Low Temperature	Impedance ratio	φ8 · φ10	10	8	6	4	4			
	Z-40°C / Z+20°C (MAX.)	φ12.5 to φ18	8	6	4	4	4			
	The specifications listed at right shall be met when the Capacitance change Within ±30% of the initial capacitance value									
Endurance	capacitors ar	e restored to 20°C	after the rated vo	oltage is	tan δ	300% or less	00% or less than the initial specified value			
	applied for 10	000 hours at 150°C	О.		Leakage current Less than or equal to the initial sp		specified value			
Shelf Life	After storing the capacitors under no load at 150°C for 1000 hours and then performing voltage treatment based on JIS C 5101-4									
Stiell Lile	clause 4.1 at 20°C, they shall meet the specified values for the endurance characteristics listed above.									
Marking	Black print on the case top.									

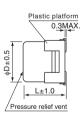
■Chip Type

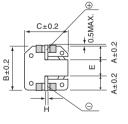


Trade mark



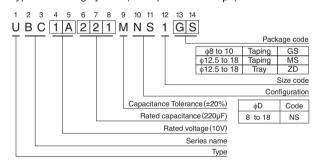






Aid electrode

Type numbering system (Example : $10V 220\mu F$)



					(mm)
₩.	8	10	12.5	16	18
Α	2.9	3.2	4.8	5.4	6.4
В	8.3	10.3	13.6	17.1	19.1
С	8.3	10.3	13.6	17.1	19.1
E	3.1	4.5	4.0	6.3	6.3
L	10	10	13.5	16.5,21.5	21.5
Н	1.1 to 1.5	1.1 to 1.5	1.0 to 1.4	1.0 to 1.4	1.0 to 1.4

Dimensions

	V	10		16		25		35		50	
Cap.(μF) Code		1A		1C		1E		1V		1H	
33	330									8×10	70
47	470							8×10	80	10×10	100
100	101			8×10	110	8×10	110	10×10	120	12.5 × 13.5	420
220	221	8×10	110	10×10	150	10×10	150	12.5 × 13.5	550	16×16.5	550
330	331	10×10	150			12.5 × 13.5	650	12.5 × 13.5	650	16×21.5	650
470	471			12.5 × 13.5	750	12.5 × 13.5	700	16 × 16.5	750	16 × 21.5	850
680	681	12.5 × 13.5	800	12.5 × 13.5	800	16 × 16.5	800	16 × 21.5	950	18 × 21.5	1100
1000	102	12.5 × 13.5	900	16×16.5	850	16 ×21.5	1000	18 × 21.5	1150		i
2200	222	18×21.5	1350	18 ×21.5	1350					Case size	Rated
3300	332	18 × 21.5	1400							$\phi D \times L \text{ (mm)}$	ripple

Rated ripple current (mArms) at 150°C 100kHz

• Frequency coefficient of rated ripple current

Frequency	120 Hz	120 Hz 300 Hz		10kHz or more	
Coefficient	0.67	0.79	0.91	1.00	

• 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.

CAT.8100D

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Nichicon:

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UBC1A332MNS1MS
UBC1A222MNS1MS
UBC1A681MNS1MS
UBC1C102MNS1MS
UBC1C222MNS1MS

UBC1C471MNS1MS
UBC1C681MNS1MS
UBC1E102MNS1MS
UBC1E331MNS1MS
UBC1A102MNS1MS

UBC1H101MNS1MS
UBC1E471MNS1MS
UBC1V681MNS1MS
UBC1H221MNS1MS
UBC1H331MNS1MS

UBC1H471MNS1MS
UBC1H681MNS1MS
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UBC1V471MNS1MS

UBC1E681MNS1MS
UBC1V331MNS1MS
UBC1A221MNS1GS
UBC1A331MNS1GS
UBC1C101MNS1GS

UBC1C221MNS1GS
UBC1E101MNS1GS
UBC1V470MNS1GS
UBC1V101MNS1GS
UBC1H330MNS1GS

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