



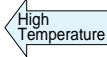
Chip Type, High Reliability

series



For SMD

- Chip type, high temperature range, for +125°C use.
- Applicable to automatic mounting machine using carrier tape.



UX

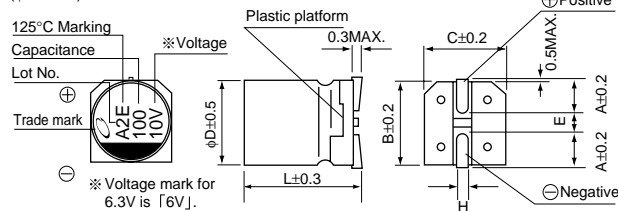


## Specifications

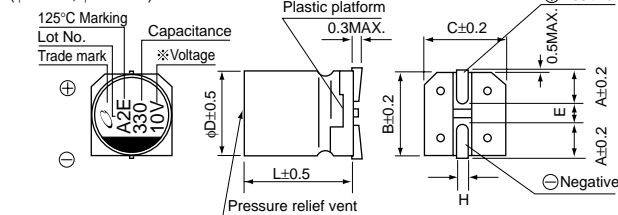
Item	Performance Characteristics						
Category Temperature Range	-40 ~ +125°C						
Rated Voltage Range	10 ~ 50V						
Rated Capacitance Range	10 ~ 330μF						
Capacitance Tolerance	±20% at 120Hz, 20°C						
Leakage Current	After 1 minute's application of rated voltage, leakage current is not more than 0.03CV or 4(μA) , whichever is greater.						
tan δ	Measurement frequency : 120Hz, Temperature : 20°C						
	Rated voltage (V)	10	16	25	35	50	
	tan δ (MAX.)	0.32	0.24	0.21	0.18	0.18	
Stability at Low Temperature	Measurement frequency : 120Hz						
	Rated voltage (V)		10	16	25	35	50
	Impedance ratio ZT / Z20 (MAX.)	Z-40°C / Z+20°C	12	8	6	4	4
Endurance	After 2000 hours' (φ8 × 6.2 : 1000 hours) application of rated voltage at 125°C, capacitors meet the characteristic requirements listed at right.				Capacitance change		Within ±30% of initial value
					tan δ		300% or less of intial specified value
					Leakage current		Initial specified value or less
Shelf Life	After leaving capacitors under no load at 125°C for 1000 hours, they meet the specified value for endurance characteristics listed above.						
Resistance to soldering heat	The capacitors shall be kept on the hot plate maintained at 250°C for 30 seconds. After removing from the hot plate and restored at room temperature, they meet the characteristic requirements listed at right.				Capacitance change		Within ±10% of initial value
					tan δ		Initial specified value or less
					Leakage current		Initial specified value or less
Marking	Black print on the case top.						

## Chip Type

(φ8 × 6.2)

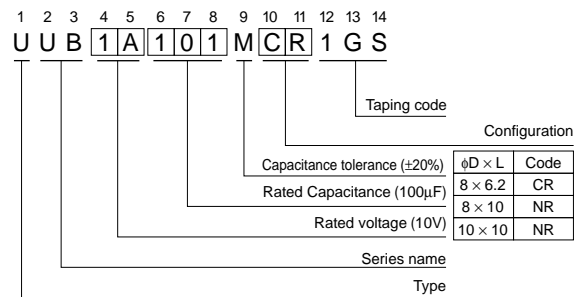


(φ8 × 10, φ10 × 10)



φD × L	8 × 6.2	8 × 10	10 × 10
A	3.3	2.9	3.2
B	8.3	8.3	10.3
C	8.3	8.3	10.3
E	2.3	3.1	4.5
L	6.2	10	10
H	0.5 ~ 0.8	0.8 ~ 1.1	0.8 ~ 1.1

## Type numbering system (Example : 10V 100μF)



- The lead-free product is also available upon request. In this case, 「L」 will be put at 11th digit of type numbering system.

## Dimensions

V		10		16		25		35		50	
Cap. (μF)	Code	1A		1C		1E		1V		1H	
10	100									8 × 6.2	24
22	220									8 × 6.2	38
33	330							8 × 6.2	44	8 × 10	46
47	470							8 × 10	52	10 × 10	58
100	101	8 × 6.2	58	8 × 10	66	8 × 10	74	10 × 10	80		
220	221	8 × 10	90	10 × 10	102	10 × 10	116				
330	331	10 × 10	112							Case size	Rated ripple

Rated Ripple (mA rms) at 125°C 120Hz

## Frequency coefficient of rated ripple current

Frequency	50 Hz	120 Hz	300 Hz	1 kHz	10 kHz~
Coefficient	0.70	1.00	1.17	1.36	1.50

- Taping specifications are given in page 22.
- Please refer to page 3 for the minimum order quantity.
- Recommended land size are given in page 23