

UB series Chip Type, High Reliability



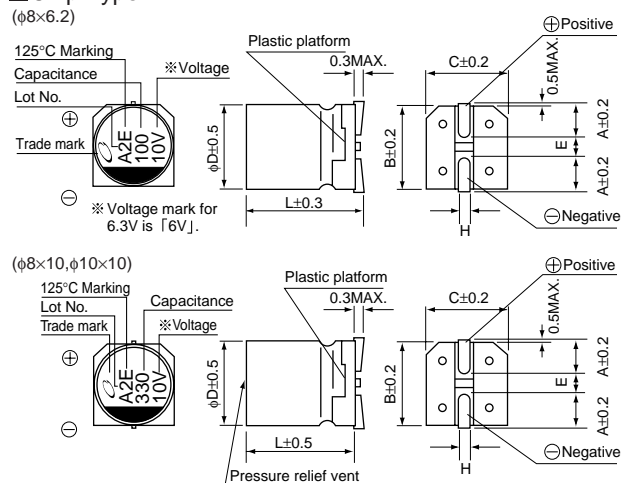
- Chip type, high temperature range, for +125°C use.
- Applicable to automatic mounting machine using carrier tape.



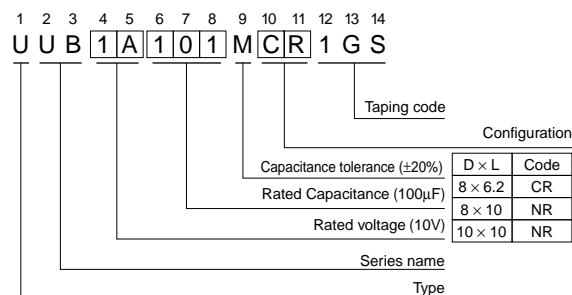
Specifications

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
Stability at Low Temperature	Measurement frequency : 120Hz					
	Impedance ratio ZT/Z20(MAX.)	Z-40°C/Z+20°C	12	8	6	4
Endurance	After 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 initial specified value	
Shelf Life	After leaving capacitors under no load at 125°C for 1000 hours, they meet the specified value for endurance characteristics listed above.		Leakage current		Initial specified value or less	
			Capacitance change		Within ±10% of initial value	
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.		tan δ		Initial specified value or less	
			Leakage current		Initial specified value or less	
Marking	Black print on the case top.					

Chip Type



Type numbering system (Example : 10V 100μF)



	(mm)		
D×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

Dimensions

		D×L(mm)									
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									8×10	46
47	470					8×6.2	48	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 21.

Please refer to page 3 for the minimum order quantity.

CAT.8100Q-1