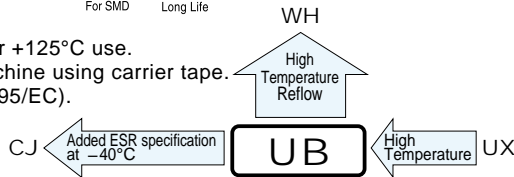


UB series Chip Type, High Reliability



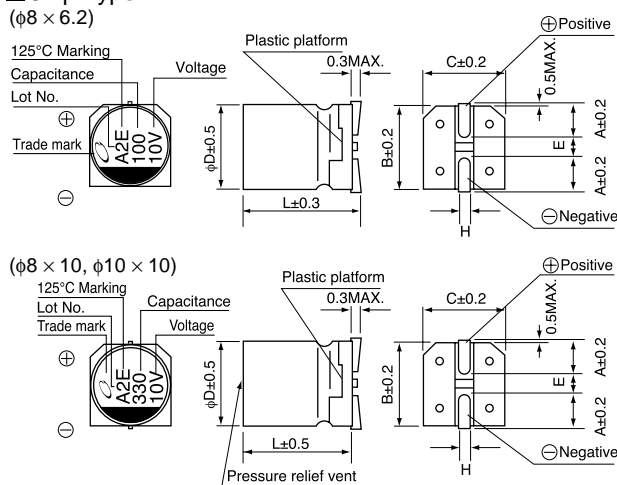
- Chip type, high temperature range, for +125°C use.
- Applicable to automatic mounting machine using carrier tape.
- Adapted to the RoHS directive (2002/95/EC).



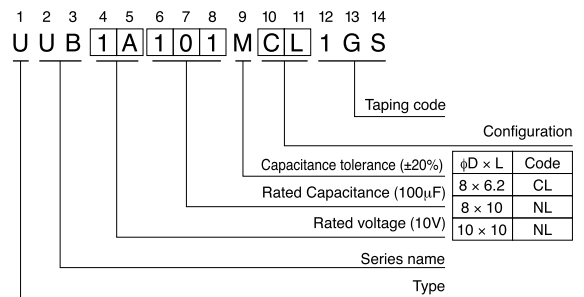
Specifications

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	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 initial specified value
Shelf Life	After storing the capacitors under no load at 125°C for 1000 hours, and after performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they will 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)



Dimensions

Cap. (μF)	Code	10		16		25		35		50	
		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					8×6.2	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			Case size φD × L (mm)	Rated ripple
330	331	10×10	112								

Rated Ripple (mArms) 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 24.
- Recommended land size, soldering by reflow are given in page 25, 26.
- Please select UH(p.78) series if high CV products are required.
- Please refer to page 3 for the minimum order quantity.