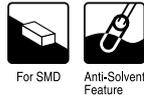
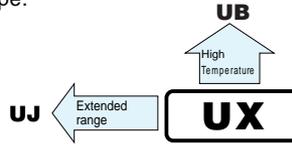


UX series

Chip Type, Higher Capacitance Range



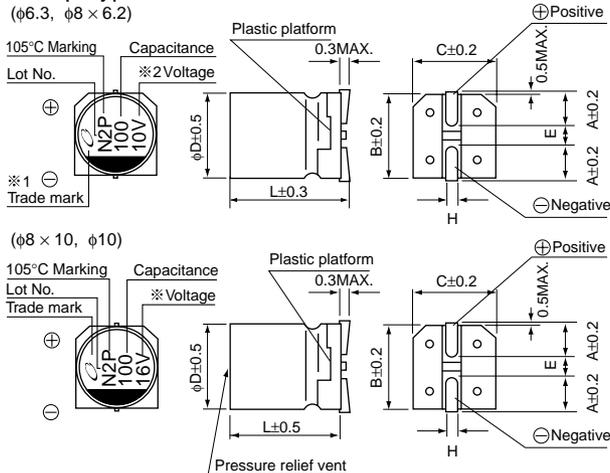
- Chip type, higher capacitance in larger case sizes.
- Designed for surface mounting on high density PC board.
- Applicable to automatic mounting machine using carrier tape.



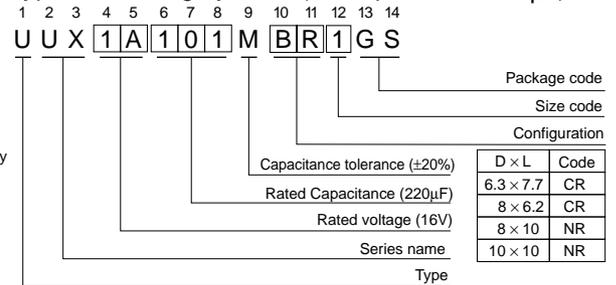
Specifications

Item	Performance Characteristics									
Category Temperature Range	-55 ~ +105°C									
Rated Voltage Range	6.3 ~ 100V									
Rated Capacitance Range	4.7 ~ 1000μF									
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 (μA).									
tan δ	Measurement frequency : 120Hz, Temperature : 20°C									
	Rated voltage (V)	6.3	10	16	25	35	50	63	100	
Stability at Low Temperature	Measurement frequency : 120Hz									
	Impedance ratio ZT / Z20 (MAX.)	Z-55°C / Z+20°C	4	4	3	3	3	2	3	4
Endurance	After 2000 hours' application of rated voltage at 105°C, capacitors meet the characteristic requirements listed at right.									
	Capacitance change	Within ±20% of initial value								
Shelf Life	After leaving capacitors under no load at 105°C for 1000 hours, they meet the specified value for endurance characteristics listed above.									
	tan δ	200% or less of initial specified 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.									
	Leakage current	Initial specified value or less								
Marking	Black print on the case top.									

Chip Type



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. Size φ8 × 6.2, [CL] will be put at 10th and 11th digit of type numbering system.

φD × L	6.3 × 7.7	8 × 6.2	8 × 10	10 × 10
A	2.4	3.3	2.9	3.2
B	6.6	8.3	8.3	10.3
C	6.6	8.3	8.3	10.3
E	2.2	2.3	3.1	4.5
L	7.7	6.2	10	10
H	0.5 ~ 0.8	0.5 ~ 0.8	0.8 ~ 1.1	0.8 ~ 1.1

φ D × L (mm)

Dimensions

Cap.(μF)	Code	6.3		10		16		25		35		50		63		100		
		0J	1A	1C	1E	1V	1H	1J	2A									
4.7	4R7															8 × 6.2	42	
10	100														8 × 6.2	51	8 × 10	75
22	220											○ 8 × 6.2	67(64)	8 × 10	108	■ 10 × 10	150(121)	
33	330											○ 8 × 6.2	76(75)	8 × 10	133	■ 10 × 10	185(179)	
47	470											○ 8 × 6.2	124	■ 10 × 10	180(167)	10 × 10	220	
100	101											○ 8 × 6.2	181	■ 10 × 10	304(283)	10 × 10	320	
220	221	○ 8 × 10	161(121)	8 × 10	173	■ 10 × 10	330(307)	■ 10 × 10	351(283)	10 × 10	450							
330	331	8 × 10	288	■ 10 × 10	318(296)	■ 10 × 10	441(410)											
470	471	■ 10 × 10	340(316)	■ 10 × 10	351(326)	10 × 10	489											
680	681	10 × 10	408	10 × 10	392													
1000	102	10 × 10	495															

Size φ6.3 × 7.7 is available for capacitors marked. "○" / Size φ8 × 10 is available for capacitors marked. "■"
 ※ In this case, [G] will be put at 12th digit of type numbering system.

Rated Ripple (mA rms) at 105°C 120Hz

Frequency coefficient of rated ripple current

Cap.(μF)	Frequency	50 Hz	120 Hz	300 Hz	1 kHz	10 kHz~
~ 47		0.80	1.00	1.15	1.40	1.67
100 ~ 1000		0.85	1.00	1.08	1.20	1.30

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