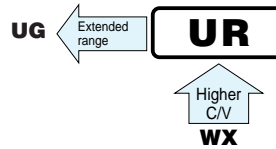


UR series Chip Type, High CV



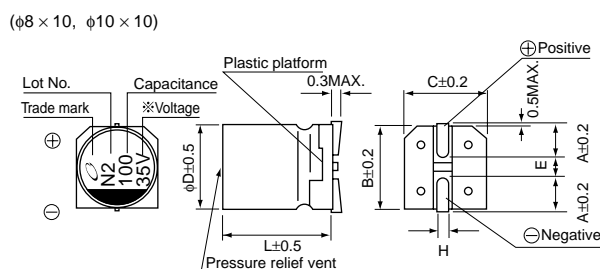
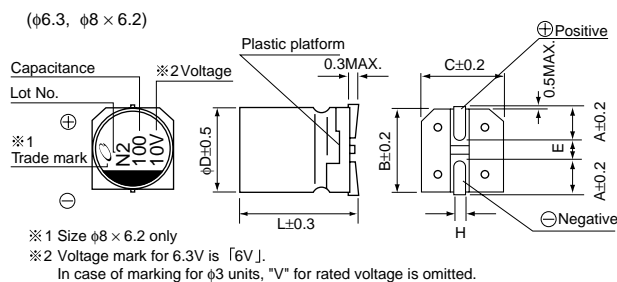
- Chip type, higher capacitance in larger case sizes.
- Designed for surface mounting on high density PC board.
- Applicable to automatic mounting machine using carrier tape.



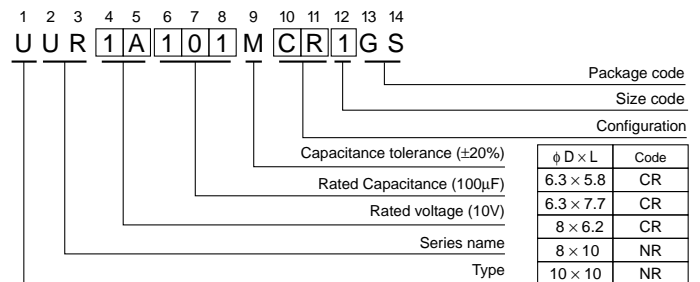
Specifications

Item	Performance Characteristics										
Category Temperature Range	-40 ~ +85°C										
Rated Voltage Range	4 ~ 100V										
Rated Capacitance Range	3.3 ~ 1500μF										
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)	4	6.3	10	16	25	35	50	63	100	
Stability at Low Temperature	Measurement frequency: 120Hz										
	Impedance ratio Z-25°C / Z+20°C	7	5	4	3	2	2	2	2	2	
		ZT / Z20 (MAX.)	Z-40°C / Z+20°C	15	10	8	6	4	3	3	3
Endurance	After 2000 hours' application of rated voltage at 85°C, capacitors meet the characteristic requirements listed at right.		Capacitance change	Within ±20% of initial value							
			tan δ	200% or less of initial specified value							
Shelf Life	After leaving capacitors under no load at 85°C for 1000 hours, they meet the specified value for endurance characteristics listed above.		Leakage current	Initial specified value or less							
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							
Marking	Black print on the case top.		Leakage current	Initial specified value or less							

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.

	(mm)				
φD × L	6.3 × 5.8	6.3 × 7.7	8 × 6.2	8 × 10	10 × 10
A	2.4	2.4	3.3	2.9	3.2
B	6.6	6.6	8.3	8.3	10.3
C	6.6	6.6	8.3	8.3	10.3
E	2.2	2.2	2.3	3.1	4.5
L	5.8	7.7	6.2	10	10
H	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.8 ~ 1.1	0.8 ~ 1.1

• Dimension table in next page.



■ Dimensions

φD × L (mm)

Cap.(μF)	Code	V										Case size	Rated ripple					
		4	6.3	10	16	25	35	50	63	100								
		0G	0J	1A	1C	1E	1V	1H	1J	2A								
3.3	3R3											6.3×5.8	29					
4.7	4R7											6.3×5.8	31	● 8×6.2	40 (35)			
10	100											8×6.2	46	8×10	77			
22	220											6.3×5.8	45	8×10	96	8×10	100	
33	330									6.3×5.8	55	○ 8×6.2	95 (94)	8×10	117	10×10	130	
47	470							6.3×5.8	65	● 8×6.2	105 (94)	○ 8×10	140 (105)	8×10	140	10×10	155	
100	101				6.3×5.8	70	8×6.2	125	○ 8×6.2	145 (143)	○ 8×10	175 (132)	■ 10×10	195 (181)	10×10	232		
150	151				6.3×5.8	85	6.3×7.7	151	8×10	192	8×10	214	10×10	238				
220	221				● 8×6.2	160 (143)	○ 8×6.2	175 (173)	○ 8×10	215 (162)	■ 10×10	250 (232)	■ 10×10	265 (246)	10×10	289		
330	331	6.3×5.8	152	○ 8×6.2	190 (188)	8×10	240	8×10	270	■ 10×10	305 (284)	10×10	324					
470	471	6.3×7.7	200	8×10	265	8×10	290	■ 10×10	330 (307)	10×10	393							
680	681	8×10	284	8×10	318	10×10	374	10×10	396									
1000	102	8×10	344	■ 10×10	400 (372)	10×10	454											
1500	152	10×10	347	10×10	489													

Size φ6.3 × 5.8 is available for capacitors marked. " ● "

Size φ6.3 × 7.7 is available for capacitors marked. " ○ "

Size φ8 × 10 is available for capacitors marked. " ■ "

※ In this case, 6 will be put at 12th digit of type numbering system.

Rated Ripple (mA rms) at 85°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 ~ 1500		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.