

# ALUMINUM ELECTROLYTIC CAPACITORS

皇御UR系列MINI供应商

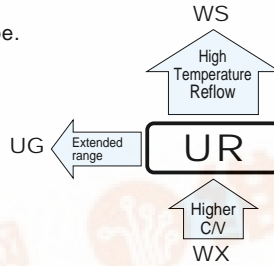
捷多邦, 专业PCB打样工厂, 24小时加急出货

nichicon

**UR** series  
Chip Type, High CV



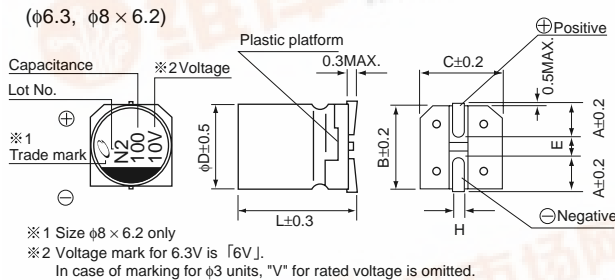
- Chip type, higher capacitance in larger case sizes.
- Designed for surface mounting on high density PC board.
- Applicable to automatic mounting machine using carrier tape.
- Adapted to the RoHS directive (2002/95/EC).



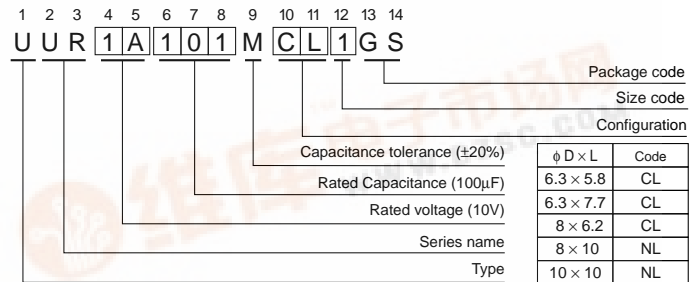
## Specifications

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									
	Rated voltage (V)	4	6.3	10	16	25	35	50	63	100
	Impedance ratio	Z-25°C / Z+20°C	7	5	4	3	2	2	2	2
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								
Shelf Life	After storing the capacitors under no load at 85°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.									
	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.									

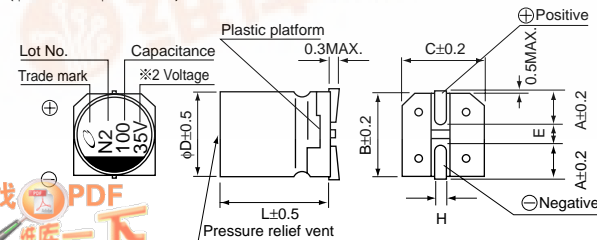
## Chip Type



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



## (φ8 × 10, φ10 × 10)



	(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



# ALUMINUM ELECTROLYTIC CAPACITORS

## UR series

### ■ Dimensions

Cap.(F)	Code	V													
		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  $\phi 6.3 \times 5.8$  is available for capacitors marked. "●"

Size  $\phi 6.3 \times 7.7$  is available for capacitors marked. "○"

Size  $\phi 8 \times 10$  is available for capacitors marked. "■"

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

Rated Ripple (mArms) at 85°C 120Hz

### ● Frequency coefficient of rated ripple current

Cap.( $\mu$ F)	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 24.
- Recommended land size, soldering by reflow are given in page 25, 26.
- Please select UG(p.75) series if high CV products are required.
- Please refer to page 3 for the minimum order quantity.