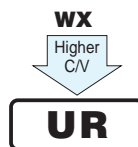


# ALUMINUM ELECTROLYTIC CAPACITORS

**UR** series Chip Type, High CV



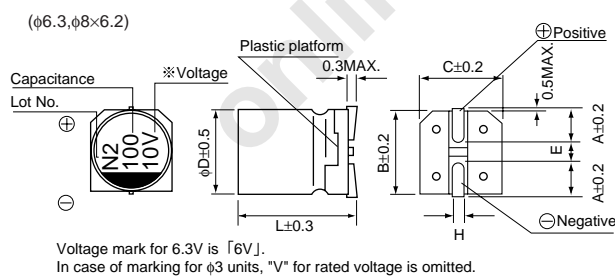
- Chip type, higher capacitance in larger case sizes.
- Designed for surface mounting on high density PC board.
- Applicable to automatic mounting machine using carrier tape.



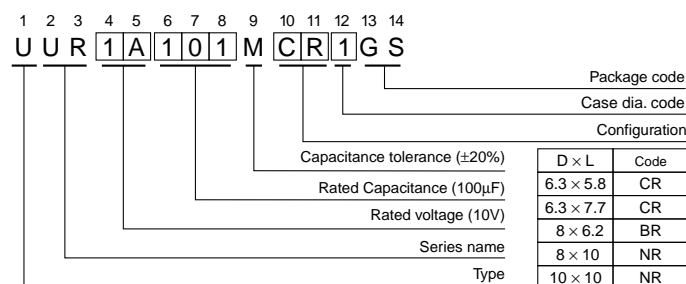
## Specifications

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	
	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
						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.										

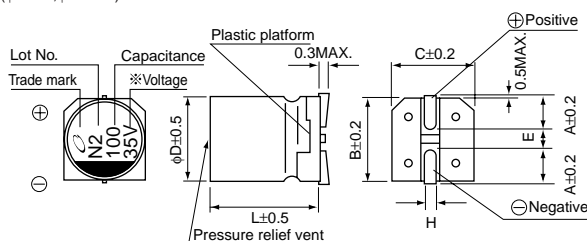
## Chip Type



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



(φ8×10, φ10×10)



	(mm)				
	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.

CAT.8100Q-1

# ALUMINUM ELECTROLYTIC CAPACITORS



## ■ Dimensions

D×L(mm)

Cap.(μF)	Code	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														Case size	Rated ripple

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 21.

Please refer to page 3 for the minimum order quantity.

