

UR

Chip Type, High CV

series



For SMD



Smaller

Anti-Solvent
Feature

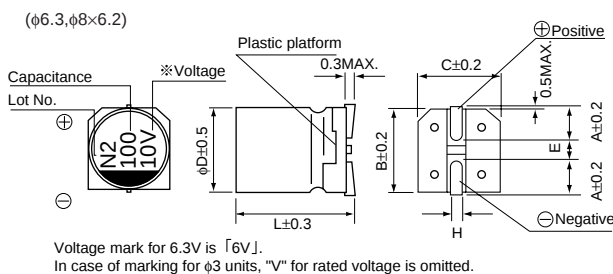
- Chip type, higher capacitance in larger case sizes.
- Designed for surface mounting on high density PC board.
- Applicable to automatic mounting machine using carrier tape.

WXHigher
C/V**UR**

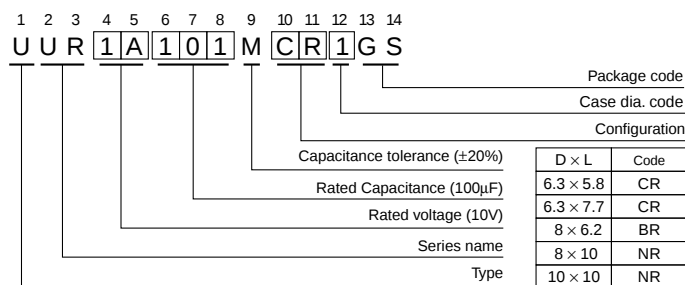
■ Specifications

Item	Performance Characteristics										
Category Temperature Range	—40~+85℃										
Rated Voltage Range	4~100V										
Rated Capacitance Range	3.3~1500μF										
Capacitance Tolerance	±20% at 120Hz, 20℃										
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℃										
	Rated voltage(V)	4	6.3	10	16	25	35	50	63	100	
	tan δ(MAX.)	0.35	0.28	0.24	0.20	0.16	0.14	0.12	0.12	0.12	
Stability at Low Temperature	Measurement frequency: 120Hz										
	Rated voltage(V)		4	6.3	10	16	25	35	50	63	100
	Impedance ratio ZT/Z20(MAX.)	Z—25℃/Z+20℃	7	5	4	3	2	2	2	2	2
		Z—40℃/Z+20℃	15	10	8	6	4	3	3	3	3
Endurance	After 2000 hours' application of rated voltage at 85℃, capacitors meet the characteristic requirements listed at right.						Capacitance change		Within ±20% of initial value		
							tan δ		200% or less of initial specified value		
							Leakage current		Initial specified value or less		
Shelf Life	After leaving capacitors under no load at 85℃ for 1000 hours, they meet the specified value for endurance characteristics listed above.										
Resistance to soldering heat	The capacitors shall be kept on the hot plate maintained at 250℃, 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		
							Leakage current		Initial specified value or less		
Marking	Black print on the case top.										

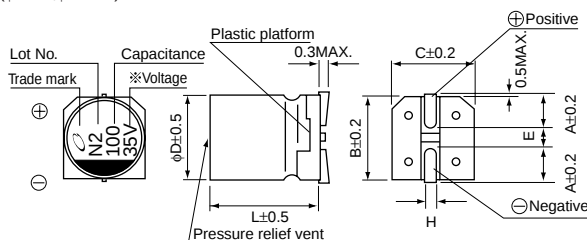
■ Chip Type



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.

■ Dimensions

D×L(mm)

V		4	6.3	10	16	25	35	50	63	100
Cap.(μF)	Code	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.