

ALUMINUM ELECTROLYTIC CAPACITORS

nichicon

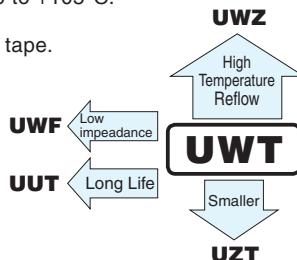
UWT

Chip Type, Wide Temperature Range



- Chip type operating over wide temperature range of to -55 to $+105^{\circ}\text{C}$.
 - Designed for surface mounting on high density PC board.
 - Applicable to automatic mounting machine fed with carrier tape.
 - Compliant to the RoHS directive (2011/65/EU).

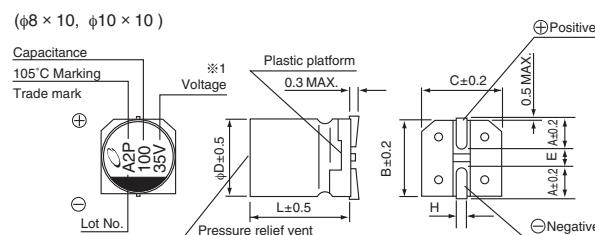
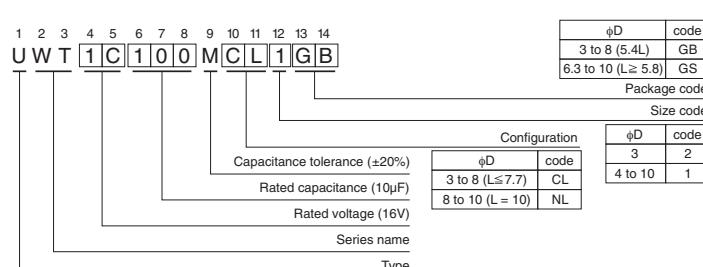
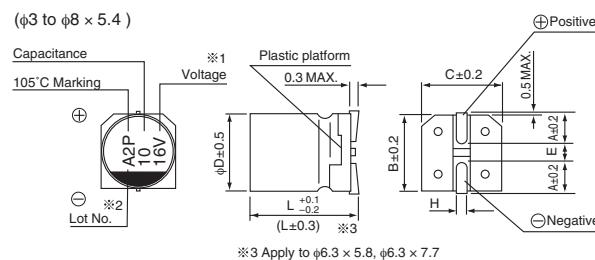
Values marked with an \ast in the dimension table are scheduled to be discontinued and are not recommended for new designs.



■ Specifications

■ Chip Type

Type numbering system (Example : 16V 10 μ F)



$\phi D \times L$		(mm)								
		3 × 5.4	4 × 5.4	5 × 5.4	6.3 × 5.4	6.3 × 5.8	6.3 × 7.7	8 × 5.4	8 × 10	10 × 10
A	1.5	1.8	2.1	2.4	2.4	2.4	3.3	2.9	3.2	
B	3.3	4.3	5.3	6.6	6.6	6.6	8.3	8.3	10.3	
C	3.3	4.3	5.3	6.6	6.6	6.6	8.3	8.3	10.3	
E	0.8	1.0	1.3	2.2	2.2	2.2	2.3	3.1	4.5	
L	5.4	5.4	5.4	5.4	5.8	7.7	5.4	10	10	
H	0.5 to 0.8	0.8 to 1.1	0.8 to 1.1							

※1. Voltage mark for 6.3V is 「6V」. In case of marking for ϕ 3 units, "V" for rated voltage is omitted.
 ※2. In case of marking for 10 units, Let No is expressed by a digit (month code).

※2. In case of marking for φ3 units. Lot No is expressed by a digit (month code).

- Dimension table in next page.

UWT

■ Dimensions

Cap. (μF)	V	Code	4	6.3	10	16	25	35	50
			0G	0J	1A	1C	1E	1V	1H
0.1	0R1								≈4 × 5.4 (3) 1.0
0.22	R22								≈4 × 5.4 (3) 2.6
0.33	R33								≈4 × 5.4 (3) 3.2
0.47	R47								≈4 × 5.4 (3) 3.8
1	010								4 × 5.4 (3) 6.3(5.9)
2.2	2R2							3 × 5.4 7.5	4 × 5.4 (3) 11 (9)
3.3	3R3							3 × 5.4 9	4 × 5.4 14
4.7	4R7						4 × 5.4 (3) 13 (10)	4 × 5.4 15	5 × 5.4 19
10	100					4 × 5.4 (3) 18 (14)	5 × 5.4 23	5 × 5.4 25	6.3 × 5.4 30
22	220	4 × 5.4	22	4 × 5.4	22	5 × 5.4 27	5 × 5.4 30	6.3 × 5.4 38	6.3 × 5.4 42
33	330	5 × 5.4	30	5 × 5.4	30	5 × 5.4 35	6.3 × 5.4 40	6.3 × 5.4 48	• 8 × 5.4 59 (52) 6.3 × 7.7 60
47	470	5 × 5.4	36	5 × 5.4	36	6.3 × 5.4 46	6.3 × 5.4 50	• 8 × 5.4 66 (59) 6.3 × 5.8 63	6.3 × 7.7 63
100	101	6.3 × 5.4	60	6.3 × 5.4	60	6.3 × 5.4 60	6.3 × 5.4 60	6.3 × 7.7 91	6.3 × 7.7 84
150	151	6.3 × 5.8	86	6.3 × 5.8	86	6.3 × 5.8 86	6.3 × 7.7 95	8 × 10 140	8 × 10 155
220	221	• 8 × 5.4 102 (91)	• 8 × 5.4 102 (91)	6.3 × 7.7	105	6.3 × 7.7 105	8 × 10 155	8 × 10 190	10 × 10 220
330	331	6.3 × 7.7	105	6.3 × 7.7	105	8 × 10 195	8 × 10 195	8 × 10 190	10 × 10 300
470	471	8 × 10	210	8 × 10	210	8 × 10 210	8 × 10 230	10 × 10 300	
680	681	8 × 10	210	8 × 10	210	10 × 10 310	10 × 10 310		
1000	102	8 × 10	230	8 × 10	230	10 × 10 310			
1500	152	10 × 10	310	10 × 10	310				
									Case size Φ D × L (mm) Rated ripple

Rated ripple current (mA rms) at 105°C 120Hz

() is also available with Φ3mm upon request. In such a case, [2] will be put at 12th digit of type numbering system.

Size Φ6.3 × 5.8 is available for capacitors marked. " • " In such a case, [6] will be put at 12th digit of type numbering system.

● Frequency coefficient of rated ripple current

Frequency	50 Hz	120 Hz	300 Hz	1 kHz	10 kHz or more
Coefficient	0.70	1.00	1.17	1.36	1.50

- Taping specifications are given in page 23.
- Recommended land size, soldering by reflow are given in page 18, 19.
- Please select UUX(p.152), UUJ(p.158) series if high C/V products are required.
- Please refer to page 3 for the minimum order quantity.