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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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ALUMINUM ELECTROLYTIC CAPACITORS

UCW

Chip Type, Low Impedance,
Long Life Assurance



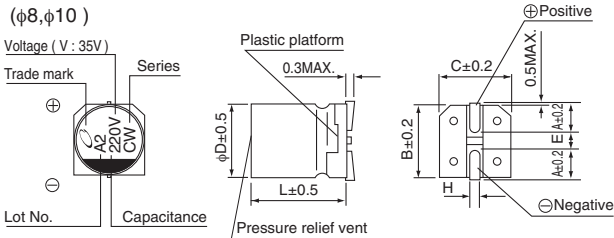
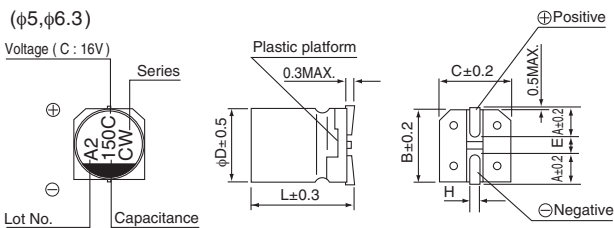
- Chip type with load life of 7000 hours at +105°C.
Low impedance temperature range up to +105°C.
- Applicable to automatic mounting machine fed with carrier tape.
- Compliant to the RoHS directive (2011/65/EU).



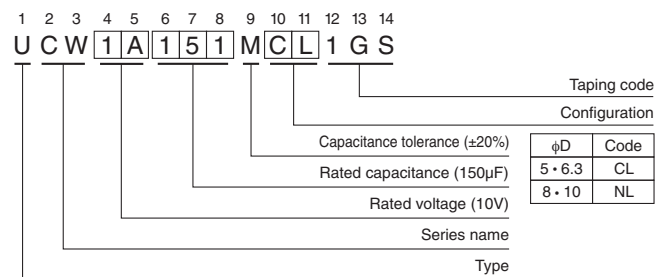
Specifications

Item	Performance Characteristics						
Category Temperature Range	-25 to +105°C						
Rated Voltage Range	6.3 to 50V						
Rated Capacitance Range	10 to 470μF						
Capacitance Tolerance	±20% at 120Hz, 20°C						
Leakage Current	After 2 minutes' application of rated voltage, leakage current is not more than 0.01 CV or 3 (μA) , whichever is greater.						
Tangent of loss angle (tan δ)	Measurement frequency : 120Hz at 20°C						
	Rated voltage (V)	6.3	10	16	25	35	50
Stability at Low Temperature	Measurement frequency : 120Hz						
	Rated voltage (V)	6.3	10	16	25	35	50
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 7000 hours at 105°C.						
	Capacitance change	Within ±30% of the initial capacitance value					
Shelf Life	After storing the capacitors under no load at 105°C for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they shall meet the specified values for the endurance characteristics listed above.						
	tan δ	300% or less than the initial specified value					
Resistance to soldering heat	The capacitors are kept on a hot plate for 30 seconds, which is maintained at 250°C. The capacitors shall meet the characteristic requirements listed at right when they are removed from the plate and restored to 20°C.						
	Leakage current	Less than or equal to the initial specified value					
Marking	Black print on the case top.						

Chip Type



Type numbering system (Example : 10V 150μF)



φD × L	(mm)				
	5 × 7	6.3 × 7	6.3 × 8.7	8 × 10	10 × 10
A	2.1	2.4	2.4	2.9	3.2
B	5.3	6.6	6.6	8.3	10.3
C	5.3	6.6	6.6	8.3	10.3
E	1.3	2.2	2.2	3.1	4.5
L	7.0	7.0	8.7	10	10
H	0.5 to 0.8	0.5 to 0.8	0.5 to 0.8	0.8 to 1.1	0.8 to 1.1

Voltage						
V	6.3	10	16	25	35	50
Code	j	A	C	E	V	H

● Dimension table in next page.

UCW

■ Dimensions

Cap. (μ F)	V Code	6.3			10			16			25			35			50		
		0J			1A			1C			1E			1V			1H		
10	100													5 × 7	2.2	95			
22	220							5 × 7	2.2	95	5 × 7	2.2	95	5 × 7	2.2	95			
33	330				5 × 7	2.2	95				6.3 × 7	1.1	140	6.3 × 8.7	1.0	230			
47	470	5 × 7	2.2	95				6.3 × 7	1.1	140	6.3 × 7	1.1	140	6.3 × 8.7	1.0	230	8 × 10	0.53	350
100	101	6.3 × 7	1.1	140				6.3 × 7	1.1	140	6.3 × 8.7	1.0	230				8 × 10	0.53	350
150	151				6.3 × 7	1.1	140	6.3 × 8.7	1.0	230									
220	221	6.3 × 8.7	1.0	230				6.3 × 8.7	1.0	230	8 × 10	0.22	600	8 × 10	0.22	600	10 × 10	0.35	670
330	331	6.3 × 8.7	1.0	230				8 × 10	0.22	600	8 × 10	0.22	600	10 × 10	0.16	850	Case size ϕ D × L (mm)	Impedance	Rated ripple
470	471	8 × 10	0.22	600				8 × 10	0.22	600	10 × 10	0.16	850						

Max. impedance (Ω) at 20°C 100kHz,
Rated ripple current (mA rms) at 105°C 100kHz

● Frequency coefficient of rated ripple current

Frequency	50 Hz	120 Hz	300 Hz	1 kHz	10 kHz or more
Coefficient	0.35	0.50	0.64	0.83	1.00

- Taping specifications are given in page 23.
- Recommended land size, soldering by reflow are given in page 18, 19.
- Please refer to page 3 for the minimum order quantity.