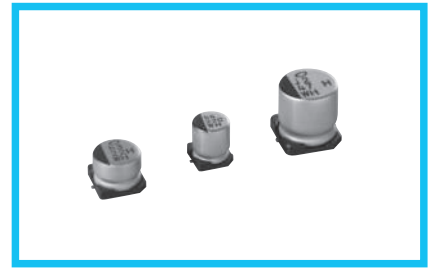


# ALUMINUM ELECTROLYTIC CAPACITORS

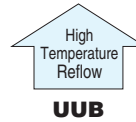
# UWH

Chip Type, High Reliability  
High Temperature (260°C) Reflow



- Corresponding with 260°C peak reflow soldering  
Recommended reflow condition : 260°C peak 5 sec. 230°C over 60 sec. 2 times (φ8 × 6.2, φ10 × 10 : 1 time)
- Chip type high temperature range, for +125°C use.
- Applicable to automatic mounting machine fed with carrier tape.
- Compliant to the RoHS directive (2011/65/EU,(EU)2015/863).
- AEC-Q200 compliant. Please contact us for details.

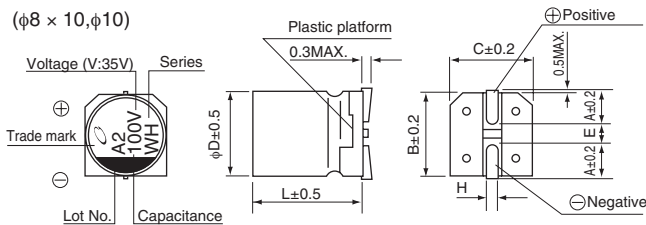
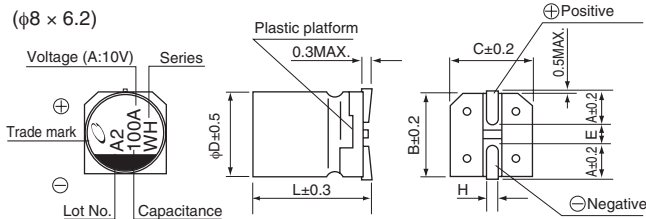
**UWH**



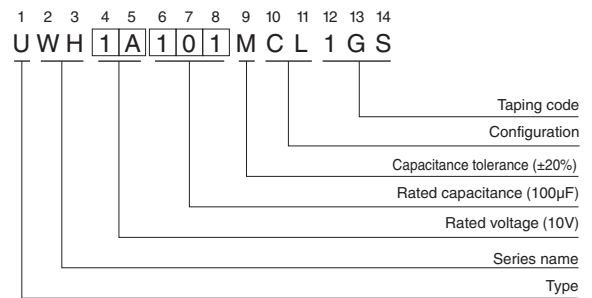
## Specifications

Item	Performance Characteristics					
Category Temperature Range	-40 to +125°C					
Rated Voltage Range	10 to 50V					
Rated Capacitance Range	10 to 330μF					
Capacitance Tolerance	±20% at 120Hz, 20°C					
Leakage Current	After 1 minute's application of rated voltage at 20°C, leakage current is not more than 0.03CV or 4(μA) , whichever is greater.					
Tangent of loss angle (tan δ)	Measurement frequency : 120Hz at 20°C					
	Rated voltage (V)	10	16	25	35	50
Stability at Low Temperature	Measurement frequency : 120Hz					
	Impedance ratio ZT / Z20 (MAX.)	Z-40°C / Z+20°C	12	8	6	4
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 1000 hours at 125°C.		Capacitance change			Within ±30% of the initial capacitance value
			tan δ			300% or less than the initial specified value
Shelf Life	After storing the capacitors under no load at 125°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.		Leakage current			Less than or equal to the initial specified value
			Capacitance change			Within ±10% of the initial capacitance 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.		tan δ			Less than or equal to the initial specified value
			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 100μF)



	(mm)		
φD×L	8 × 6.2	8 × 10	10 × 10
A	3.3	2.9	3.2
B	8.3	8.3	10.3
C	8.3	8.3	10.3
E	2.3	3.1	4.5
L	6.2	10	10
H	0.5 to 0.8	0.8 to 1.1	0.8 to 1.1

## Voltage

V	10	16	25	35	50
Code	A	C	E	V	H

## 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

● Dimension table in next page.

## UWH

### ■ Dimensions

Rated Voltage (V) (code)	Rated Capacitance (μF)	Case Size φD×L (mm)	tan δ	Leakage Current (μA) (at 20°C after 1 minute)	Rated Ripple (mArms) (125°C/120Hz)	Part Number
10 (1A)	100	8×6.2	0.32	30	58	UWH1A101MCL1GS
	220	8×10	0.32	66	90	UWH1A221MCL1GS
	330	10×10	0.32	99	112	UWH1A331MCL1GS
16 (1C)	100	8×10	0.24	48	66	UWH1C101MCL1GS
	220	10×10	0.24	105.6	102	UWH1C221MCL1GS
25 (1E)	47	8×6.2	0.21	35.25	48	UWH1E470MCL1GS
	100	8×10	0.21	75	74	UWH1E101MCL1GS
	220	10×10	0.21	165	116	UWH1E221MCL1GS
35 (1V)	33	8×6.2	0.18	34.65	44	UWH1V330MCL1GS
	47	8×10	0.18	49.35	52	UWH1V470MCL1GS
	100	10×10	0.18	105	80	UWH1V101MCL1GS
50 (1H)	10	8×6.2	0.18	15	24	UWH1H100MCL1GS
	22	8×6.2	0.18	33	38	UWH1H220MCL1GS
	33	8×10	0.18	49.5	46	UWH1H330MCL1GS
	47	10×10	0.18	70.5	58	UWH1H470MCL1GS

• For taping specifications, recommended land size/soldering by reflow and minimum order quantity, please refer to the Guidelines for Aluminum Electrolytic Capacitors.

单击下面可查看定价，库存，交付和生命周期等信息

[>>Nichicon\(尼吉康\)](#)