ALUMINUM ELECTROLYTIC CAPACITORS









- Corresponding with 260°C peak reflow soldering Recomended reflow condition: 260°C peak 5 sec. 230°C over 60 sec. 2 times (\$\phi \times 6.2\$, \$\phi 10 \times 10\$: 1 time)
- Chip type high temperature range, for +125°C use.
- Applicable to automatic mounting machine using carrier tape.
- Adapted to the RoHS directive (2002/95/EC).

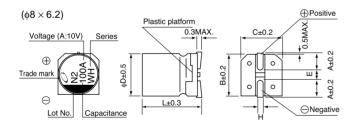


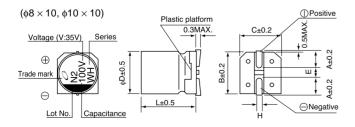


Specifications

Item	Performance Characteristics										
Category Temperature Range	-40 ~ +125°C										
Rated Voltage Range	10 ~ 50V										
Rated Capacitance Range	10 ~ 330μF										
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 or 4(µA), whichever is greater.										
			Measurem	nent freque	ncy:	120Hz,	Temper	ature : 20	°C		
tan δ	Rated voltage (V)	10	16	25		35		50			
	tan δ (MAX.)	0.32	0.24	0.21		0.18	3	0.18			
	Measurement frequency : 120Hz										
Stability at Low Temperature	Rated voltage (V)		10	16	2	25	35	50			
Stability at Low Temperature	Impedance ratio ZT / Z20 (MAX.)	Z-40°C / Z+20°	C 12	8		6	4	4			
Endurance	After 1000 hours' application of rated voltage at 125°C, capacitors meet the characteristic requirements listed at right. Capacitance change $\tan \delta$ Leakage current						Ü	300%	n ±30% of initial value or less of intial specified value specified value or less		
Shelf Life	After storing the capacitors under no load at 125°C for 1000 hours, and after performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they will 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°C for 30 seconds. After removing from the hot plate and restored at room temperature, they meet the characteristic requirements listed at right.								Within ±10% of initial value Initial specified value or less Initial specified value or less		
Marking	Black print on the o	case top.	<u> </u>							<u>-</u>	

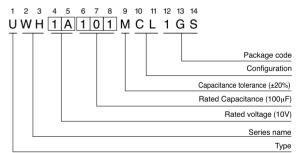
■Chip Type





Voltage					
V	10	16	25	35	50
Code	Α	С	Е	V	Н

Type numbering system (Example : 10V 100μF)



			(mm)
φD×L	8 × 6.2	8 × 10	10 × 10
Α	3.3	2.9	3.2
В	8.3	8.3	10.3
С	8.3	8.3	10.3
E	2.3	3.1	4.5
L	6.2	10	10
Н	0.5 ~ 0.8	0.8 ~ 1.1	0.8 ~ 1.1





■Dimensions

	V	1	0	1	6	2	5	3	5	5	0
Cap.(µF)	Code	1	A	1	С	1	E	1	V	1	Н
10	100				 		 			8×6.2	24
22	220				 		 			8×6.2	38
33	330		 		 		 	8×6.2	44	8×10	46
47	470		 		 	8×6.2	48	8×10	52	10×10	58
100	101	8×6.2	58	8×10	66	8×10	74	10×10	80		
220	221	8×10	90	10×10	102	10×10	116			Case size	Rated
330	331	10×10	112							$\phi D \times L (mm)$	ripple

Rated Ripple (mArms) at 125°C 120Hz

• Frequency coefficient of rated ripple current

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

- Taping specifications are given in page 24.
- Recommended land size, soldering by reflow are given in page 25, 26.
- Please refer to page 3 for the minimum order quantity.