ALUMINUM ELECTROLYTIC CAPACITORS



5.5mmL Chip Type High Temperature (260°C) Reflow





- Corresponding with 260°C peak reflow soldering Recomended reflow condition: 260°C peak 5 sec. 230°C over 60 sec. 2 times
- Chip type with 5.5mm height.
- Designed for surface mounting on high density PC board.
- Applicable to automatic mounting machine fed with carrier tape.
- Load life of 2000 hours at 85°C
- Compliant to the RoHS directive (2011/65/EU).

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



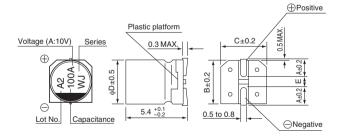




■Specifications

Item	Performance Characteristics										
Category Temperature Range	-40 to +85°C										
Rated Voltage Range	6.3 to 50V										
Rated Capacitance Range	0.1 to 150μF										
Capacitance Tolerance	±20% at 120Hz, 20°C										
Leakage Current	After 2 minutes' app	After 2 minutes' application of rated voltage, leakage current is not more than 0.01CV or 3 (μA) ,whichever is greater.									
	Measurement f							: 120Hz			
Tangent of loss angle (tan δ)	Rated voltage (V)	6.3 0.26	0.20	16	0.	_	35 0.12	,	0.12		
	tan δ (MAX.)	0.26	0.20	0.16	0.	14					
									ent frequen		
Stability at Low Temperature	Rated voltage (V) Impedance ratio Z-25°C / Z ZT / Z20 (MAX.) Z-40°C / Z		7 0000	6.3	10		6	25	35	50	
				8	<u>3</u> 8		1	4	3	3	
	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 2000 hours at					Capacitance ch			nange Within ±20% of the initial capacitance value		
Endurance						tan δ			200% or less than the initial specified value		
	85°C.	Lea	Leakage Current Less than or equal to the initial specified value					he initial specified value			
Shelf Life	After storing the capacitors under no load at 85°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.										
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						is	Capacitance change tan δ		Less	n ±10% of the initial capacitance value than or equal to the initial specified value
	removed from the plate and restored to 20°C.							ge current	Less	than or equal to the initial specified value	
Marking	Black print on the ca	ase top.									

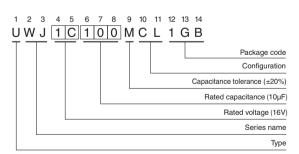
■Chip Type



25	35	50
Е	V	Н

			(mm)
φD	4	5	6.3
Α	1.8	2.1	2.4
В	4.3	5.3	6.6
C	4.3	5.3	6.6
E	1.0	1.3	2.2

Type numbering system (Example : $16V 10\mu F$)



10 16 A C

Voltage V

Code



■Dimensions

	V	6.	.3	1	0	1	6	2	5	3	5	5	0
Cap. (µF) Code		0J		1A		1C		1E		1V		1H	
0.1	0R1		 				 					* 4	1.0
0.22	R22		 				 					* 4	2.0
0.33	R33		i				i i			i		*4	2.8
0.47	R47		 				 					*4	4.0
1	010		 				 					4	8.4
2.2	2R2		i				i I			i		4	13
3.3	3R3		1				I I			i		4	17
4.7	4R7		 				 	4	16	4	18	5	20
10	100		!			4	23	5	27	5	29	6.3	33
22	220	4	28	5	33	5	37	6.3	42	6.3	45		
33	330	5	37	5	41	6.3	49	6.3	52				
47	470	5	45	6.3	52	6.3	58						
100	101	6.3	70	6.3	76	6.3	86					Case size	Rated
150	151	6.3	71				I I					φD (mm)	ripple

Rated ripple current (mArms) at 85°C 120Hz

• 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 refer to page 3 for the minimum order quantity.