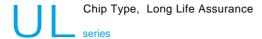
ALUMINUM ELECTROLYTIC CAPACITORS





- Chip type with load life of 5000 hours at +105°C.
- Designed for surface mounting on high density PC board.
- Compliant to the RoHS directive (2002/95/EC).

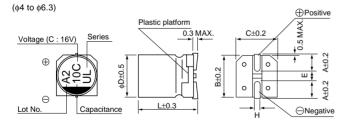


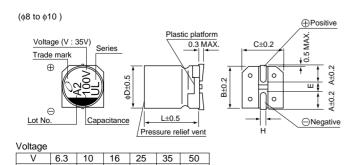


■Specifications

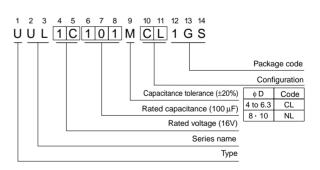
Item	Performance Characteristics									
Category Temperature Range	-40 to +105°C									
Rated Voltage Range	6.3 to 50V									
Rated Capacitance Range	0.1 to 1000μF									
Capacitance Tolerance	±20% at 120Hz, 20°C									
Leakage Current	After 2 minutes' a	After 2 minutes' application of rated voltage, leakage current is not more than 0.01 CV or 3 (µA), Max								
	Measurement frequency: 120Hz at 20°C									
Tangent of loss angle (tan δ)	Rated voltage (V)	6.3	10	16		25 35		5	50	
	tan δ (MAX.)	0.32	0.24	0.20	(0.16	0.1	0.13 0.12		
	Measurement frequency: 120Hz									
Ctability at Law Taganasatura	Rated vo	oltage (V)	6.3	10	16		25	35	50	
Stability at Low Temperature	Impedance ratio	Z-25°C / Z+20°C	4	3	2		2	2	2	
	ZT / Z20 (MAX.)	Z-40°C / Z+20°C	10	7	5		3	3	3	
	The specifications listed at right shall be met									
Endurance	The specifications when the capacito		<u> </u>				300% or less than the initial specified value			
Endurance		· -	Leakage current		Less than or equal to the initial specified value					
	rated voltage is applied for 5000 hours at 105°C. Leakage current Less than or equal to the initial specified 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.									
	The capacitors are kept on a hot plate for 30 seconds, which is Capacitance change Within ±10% of the initial capacitance value									
Resistance to soldering		maintained at 250°C. The capacitors shall meet the characteristic						tan δ Less than or equal to the		
heat	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: 16V 100µF)



						(mm)	
φD×L	4 × 5.8	5 × 5.8	6.3 × 5.8	6.3 × 7.7	8 × 10	10×10	
Α	1.8	2.1	2.4	2.4	2.9	3.2 10.3	
В	4.3	5.3	6.6	6.6	8.3		
С	4.3	5.3	6.6	6.6	8.3	10.3	
Е	1.0	1.3	2.2	2.2	3.1	4.5	
L	5.8	5.8	5.8	7.7	10	10	
Н	0.5 to 0.8	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	

С Е

Code





series

■Dimensions

Cap. Code (μF)		6.3 0J		10 1A		16 1C		25 1E		35 1V		50 1H	
0.22	R22											4×5.8	2.6
0.33	R33											4×5.8	3.2
0.47	R47											4×5.8	3.8
1	010								 			4×5.8	6.2
2.2	2R2											4×5.8	11
3.3	3R3											4×5.8	14
4.7	4R7								 	4×5.8	15	5×5.8	19
10	100					4×5.8	18	5×5.8	25	5×5.8	25	6.3×5.8	30
22	220			5×5.8	30	5×5.8	30	6.3×5.8	42	6.3×5.8	42	6.3×7.7	49
33	330	5×5.8	35	5×5.8	35	6.3×5.8	48	6.3×5.8	48	6.3×7.7	57	8×10	77
47	470	5×5.8	36	6.3×5.8	50	6.3×5.8	50	6.3×7.7	63	8×10	92	8×10	92
100	101	6.3×5.8	60	6.3×7.7	81	6.3×7.7	81	8×10	116	10×10	151	10×10	151
220	221	6.3×7.7	101	8×10	141	10×10	216	10×10	216	10×10	216		
330	331	8×10	160	10×10	238	10×10	238	10×10	238				
470	471	10×10	254	10×10	254	10×10	254						
1000	102	10×10	313									Case size $\phi D \times L \text{ (mm)}$	Rated ripple

Rated ripple current (mArms) at 105°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.