

ALUMINUM ELECTROLYTIC CAPACITORS

CL series Chip Type, Low Impedance



- Chip type, low impedance, temperature range up to +105°C.
- Applicable to automatic mounting machine fed with carrier tape.
- Compliant to the RoHS directive (2002/95/EC).

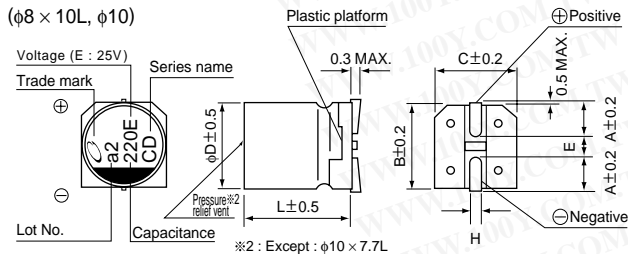
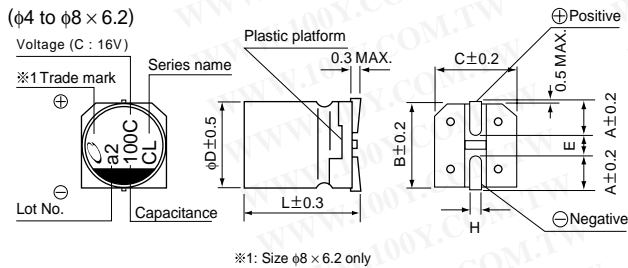


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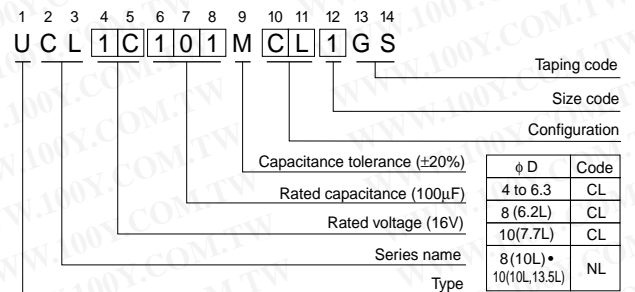
Specifications

Item	Performance Characteristics					
Category Temperature Range	- 55 to +105°C					
Rated Voltage Range	6.3 to 35V					
Rated Capacitance Range	10 to 2200μF					
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, Temperature : 20°C					
	Rated voltage (V)	6.3	10	16	25	35
Stability at Low Temperature	Measurement frequency : 120Hz					
	Rated voltage (V)	6.3	10	16	25	35
	Impedance ratio Z-25°C / Z+20°C	2	2	2	2	2
	Impedance ratio Z-40°C / Z+20°C	3	3	3	3	3
Endurance	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 105°C.					
	Capacitance Change	Within ± 30% of the initial capacitance value				
	tan δ	200% or less than the initial specified value				
Resistance to soldering heat	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.					
	Capacitance Change	Within ± 10% of the initial capacitance value				
	tan δ	Less than or equal to the initial specified value				
Marking	Black print on the case top.					
	Leakage current	Less than or equal to the initial specified value				

Chip Type



Type numbering system (Example : 16V 100μF)



Voltage

V	6.3	10	16	25	35
Code	j	A	C	E	V

• Dimension table in next page.

	(mm)								
φ D × L	4 × 5.8	5 × 5.8	6.3 × 5.8	6.3 × 7.7	8 × 6.2	8 × 10	10 × 7.7	10 × 10	10 × 13.5
A	1.8	2.1	2.4	2.4	3.3	2.9	3.2	3.2	3.2
B	4.3	5.3	6.6	6.6	8.3	8.3	10.3	10.3	10.3
C	4.3	5.3	6.6	6.6	8.3	8.3	10.3	10.3	10.3
E	1.0	1.3	2.2	2.2	2.3	3.1	4.5	4.5	4.5
L	5.8	5.8	5.8	7.7	6.2	10	7.7	10	13.5
H	0.5 to 0.8	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	0.8 to 1.1	0.8 to 1.1

