

UCV

Chip Type, Low Impedance.



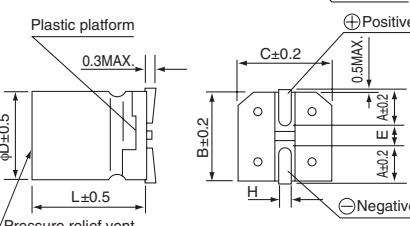
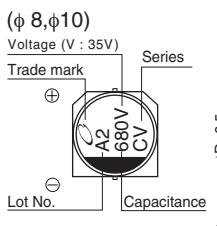
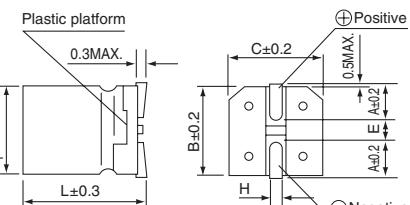
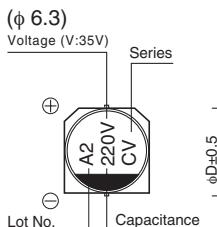
- Chip type, low impedance temperature range up to +105°C.
- Applicable to automatic mounting machine fed with carrier tape.
- Compliant to the RoHS directive (2011/65/EU).



■ Specifications

Item	Performance Characteristics			
Category Temperature Range	-55 to +105°C			
Rated Voltage Range	25 to 35V			
Rated Capacitance Range	220 to 1000μF			
Capacitance Tolerance	±20% at 120Hz, 20°C			
Leakage Current	After 2 minutes' application of rated voltage at 20°C, leakage current is not more than 0.01CV (μA).			
Tangent of loss angle (tan δ)	Rated voltage (V)	25	35	Measurement frequency : 120Hz at 20°C
	tan δ (MAX.)	0.14	0.12	
Stability at Low Temperature	Rated voltage (V)	25	35	Measurement frequency : 120Hz
	Impedance ratio Z-25°C / Z+20°C	2	2	
	Impedance ratio Z-40°C / Z+20°C	3	3	
	Impedance ratio ZT / Z20 (MAX.)	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
			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.			
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.		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.			

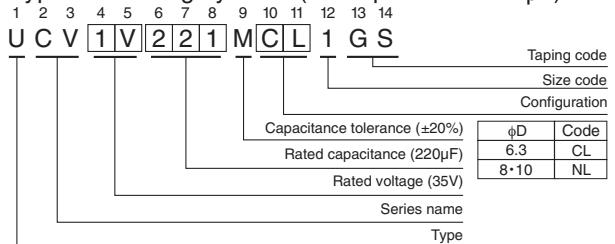
■ Chip Type



■ Dimensions

Cap. (μF)	Code	V		25		35	
		1E	1V	6.3	7.7	0.16	600
220	221						
330	331	6.3	7.7	0.16	600		
470	471					8	10
560	561	8	10	0.08	850		
680	681					10	10
820	821					0.06	1190
1000	102	10	10	0.06	1190	Case size φD±L (mm)	Impedance Rated ripple

Type numbering system (Example : 35V 220μF)



V	25	35	Standard (mm)
Code	E	V	V _{35V} 63X7.7 8X10 10X10
A	2.4	2.9	3.2
B	6.6	8.3	10.3
C	6.6	8.3	10.3
E	2.2	3.1	4.5
L	7.7	10	10
H	0.5 to 0.8	0.8 to 1.1	0.8 to 1.1

● Frequency coefficient of rated ripple current

Frequency	50Hz	120Hz	300Hz	1kHz	10kHz or more
Coefficient	0.35	0.50	0.64	0.83	1.00

MAX. Impedance (Ω) at 20°C 100kHz,
Rated ripple current(mArms) at 105°C 100kHz