

UCV

Chip Type, Low Impedance.



For SMD

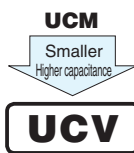


Low Impedance



Anti-Solvent Feature

- 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).



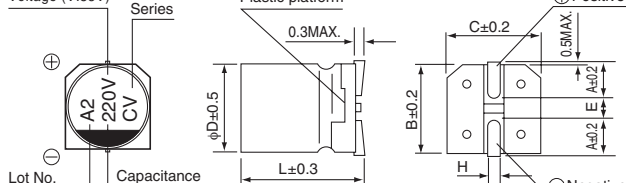
Specifications

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)	<table border="1"> <tr> <th>Rated voltage (V)</th><th>25</th><th>35</th></tr> <tr> <td>tan δ (MAX.)</td><td>0.14</td><td>0.12</td></tr> </table>	Rated voltage (V)	25	35	tan δ (MAX.)	0.14	0.12	Measurement frequency : 120Hz at 20°C						
Rated voltage (V)	25	35												
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Stability at Low Temperature	<table border="1"> <tr> <th>Rated voltage (V)</th><th>25</th><th>35</th></tr> <tr> <td>Z-25°C / Z+20°C</td><td>2</td><td>2</td></tr> <tr> <td>Z-40°C / Z+20°C</td><td>3</td><td>3</td></tr> <tr> <td>Z-55°C / Z+20°C</td><td>3</td><td>3</td></tr> </table>	Rated voltage (V)	25	35	Z-25°C / Z+20°C	2	2	Z-40°C / Z+20°C	3	3	Z-55°C / Z+20°C	3	3	Measurement frequency : 120Hz
Rated voltage (V)	25	35												
Z-25°C / Z+20°C	2	2												
Z-40°C / Z+20°C	3	3												
Z-55°C / Z+20°C	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.													
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.													
Marking	Black print on the case top.													

Chip Type

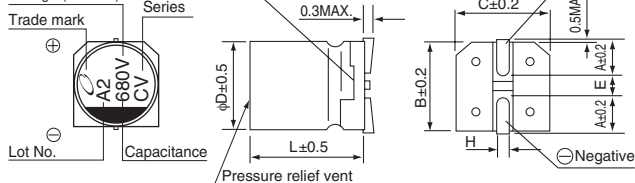
(φ 6.3)

Voltage (V:35V)

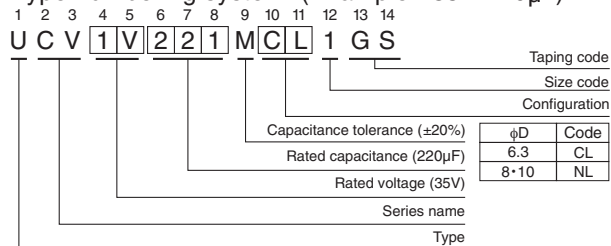


(φ 8, φ 10)

Voltage (V : 35V)



Type numbering system (Example : 35V 220μF)



Voltage	25	35
V	25	35
Code	E	V

Standard	(mm)		
	6.3X7.7	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

Dimensions

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

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