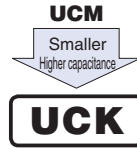


UCK Chip Type, Low Impedance.



- 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, (EU)2015/863).
- AEC-Q200 Qualified. Please contact us for details.



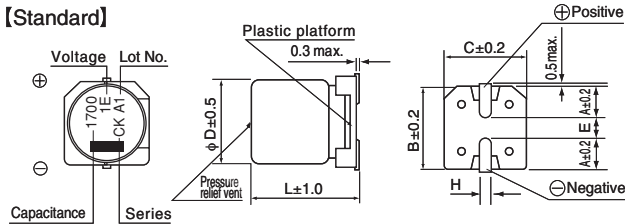
Specifications

Item	Performance Characteristics	
Category Temperature Range	-55 to +105°C	
Rated Voltage Range	25 to 35V	
Rated Capacitance Range	1100 to 5900μF	
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 0.01 CV or 3 (μA), whichever is greater.	
Tangent of loss angle (tan δ)	Please refer to the values in the dimension table on the next page.	
Stability at Low Temperature	Rated voltage (V)	25 35
	Impedance ratio Z(-25°C) / Z(+20°C)	2 2
	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 5000 hours at 105°C.	
	Capacitance change	tan δ
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.	
	Capacitance change	tan δ
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	tan δ
Marking	Black print on the case top.	

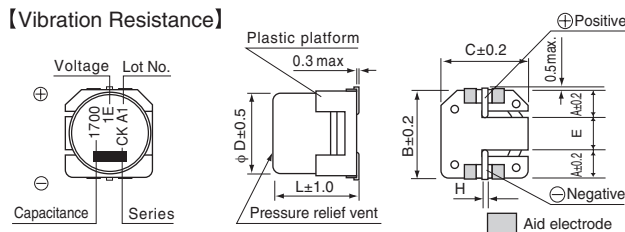
※ I : Leakage Current (μA), C : Rated Capacitance (μF), V : Rated Voltage (V)

Chip Type ※ φ12.5×21L : The vibration structure-resistant product can't support.

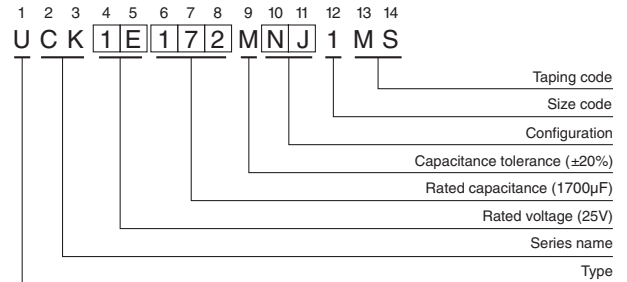
[Standard]



[Vibration Resistance]



Type numbering system (Example : 25V 1700μF)



Configuration	Code
Standard	NJ
Vibration Resistance	NS

Standard	(mm)						Vibration Resistance	(mm)		
	12.5×13.5	12.5×21	16×16.5	16×21.5	18×16.5	18×21.5		12.5	16	18
A	5.15	5.15	5.65	5.65	6.65	6.65	4.8	5.4	6.4	
B	13.6	13.6	17.1	17.1	19.1	19.1	13.6	17.1	19.1	
C	13.6	13.6	17.1	17.1	19.1	19.1	13.6	17.1	19.1	
E	(3.3)	(3.3)	(5.8)	(5.8)	(5.8)	(5.8)	(4.0)	(6.3)	(6.3)	
L	13.5	21	16.5	21.5	16.5	21.5	13.5	16.5, 21.5	16.5, 21.5	
H	1.0 to 1.4	1.0 to 1.4	1.0 to 1.4	1.0 to 1.4	1.0 to 1.4	1.0 to 1.4	1.0 to 1.4	1.0 to 1.4	1.0 to 1.4	

● 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

● Dimension table in next page.

UCK

■ Dimensions

Rated Voltage (V) (code)	Rated Capacitance (μF)	Case Size φD×L (mm)	tan δ	Leakage Current (μA) (at 20°C after 2 minutes)	Impedance (Ω) max. (20°C/100kHz)	Rated Ripple (mA rms) (105°C/100kHz)	Part Number
25 (1E)	1700	12.5×13.5	0.14	425	0.060	1420	UCK1E172M□□1MS
	2600	12.5×21	0.16	650	0.046	2080	UCK1E262M□□1MS
	2900	16×16.5	0.16	725	0.047	1910	UCK1E292M□□1MS
	3800	18×16.5	0.24	950	0.045	2060	UCK1E382M□□1MS
	4500	16×21.5	0.20	1125	0.034	2540	UCK1E452M□□1MS
	5900	18×21.5	0.22	1475	0.032	2640	UCK1E592M□□1MS
35 (1V)	1100	12.5×13.5	0.12	385	0.060	1420	UCK1V112M□□1MS
	1700	12.5×21	0.12	595	0.046	2080	UCK1V172M□□1MS
	1900	16×16.5	0.12	665	0.047	1910	UCK1V192M□□1MS
	2400	18×16.5	0.20	840	0.045	2060	UCK1V242M□□1MS
	2900	16×21.5	0.14	1015	0.034	2540	UCK1V292M□□1MS
	3800	18×21.5	0.16	1330	0.032	2640	UCK1V382M□□1MS

□□ : Enter the appropriate configuration code.

- For taping specifications, recommended land size/soldering by reflow and minimum order quantity, please refer to the Guidelines for Aluminum Electrolytic Capacitors.