Chip Type, High Reliability. Low ESR, Long Life Assurance.









- 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.



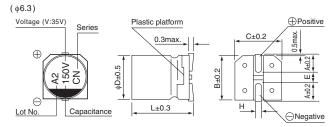


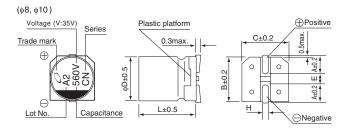
Specifications

Item	Performance Characteristics					
Category Temperature Range	-40 to +125°C					
Rated Voltage Range	25 to 35V					
Rated Capacitance Range	150 to 820μF					
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). After 5 minutes' application of 16V at 20°C, leakage current is not more than 0.001CV (μA).					
Tangent of loss angle (tan δ)	Rated voltage (V) 25 35 tan δ (max.) 0.18 0.16					
Stability at Low Temperature	Rated voltage (V) 25 35					
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 3000 hours at 125°C.	Capacitance change tan δ Leakage current	Within ±30% of the initial capacitance value 300% or less than the initial specified value Less than or equal to the initial specified value			
Shelf Life	After storing the capacitors under no load at 125°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 tan δ Leakage current	Within ±10% of the initial capacitance value Less than or equal to the initial specified value Less than or equal to the initial specified value			
Marking	Black print on the case top.					

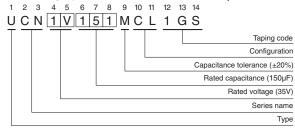
 $\label{eq:interpolation} \text{$\stackrel{\wedge}{\times}$ I : Leakage Current (μA), C : Rated Capacitance (μF), V : Rated Voltage (V)}$

■Chip Type





Type numbering system (Example : $35V 150 \mu F$)



Voltag	е					(mm)
V	25	35	φDxL	6.3×7.7	8×10	10×10
Code	EV		Α	2.4	2.9	3.2
		_	В	6.6	8.3	10.3
		С	6.6	8.3	10.3	
			Е	2.2	3.1	4.5
			L	7.7	10	10
			Н	0.5 to 0.8	0.8 to 1.1	0.8 to 11

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.

Design, specifications are subject to change without notice.

UCN

■ Dimensions

Datad Valtaria	('anacitanco	Case Size φD×L(mm)		Leakage Current(μA)		$ESR(\Omega)max.$		Date d Discale	
Rated Voltage (V) (code)			tan δ	Rated voltage applied at 20°C after 2 minutes		Initial 20℃ 100kHz	Initial —40°C 100kHz	Rated Ripple (mArms) (125°C/100kHz)	Part Number
	180	6.3×7.7	0.18	45	4.5	0.5	7	197	UCN1E181MCL1GS
25 (1E)	470	8×10	0.18	117.5	11.75	0.3	4	270	UCN1E471MCL1GS
	820	10×10	0.18	205	20.5	0.2	3	500	UCN1E821MCL1GS
	150	6.3×7.7	0.16	52.5	5.25	0.5	7	197	UCN1V151MCL1GS
35 (1V)	330	8×10	0.16	115.5	11.55	0.3	4	270	UCN1V331MCL1GS
	560	10×10	0.16	196	19.6	0.2	3	500	UCN1V561MCL1GS

 $[\]hfill \square$: Enter the appropriate configuration code.

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