UCN

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



- Chip type, low temperature ESR/Long life products.
- 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.



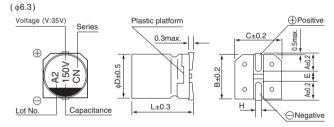


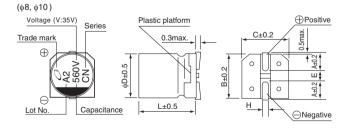
■Specifications

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 Measurement frequency : 120Hz at 20°C 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 Within $\pm 30\%$ of the initial capacitance value $\tan \delta$ 300% 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 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 Within $\pm 10\%$ of the initial capacitance value $\tan \delta$ Less than or equal to the initial specified value Leakage current Less than or equal to the initial specified value						
Marking	Black print on the case top.						

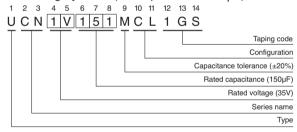
% I : Leakage Current (μ A), C : Rated Capacitance (μ F), V : Rated Voltage (V)

■Chip Type





Type numbering system (Example: 35V 150µF)



Voltage (m							
V	25	35	φDxL	6.3×7.7	8×10	10×10	
Code	Е	٧	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

UCN

■ Dimensions

Rated Voltage (V) (code)	Rated Capacitance (µF)	Case Size φD×L(mm)	tan δ	Leakage Current(µA)		$ESR(\Omega)max.$		Date d Discale	
				Rated voltage applied at 20°C after 2 minutes		Initial 20°C 100kHz	Initial −40°C 100kHz	Rated Ripple (mArms) (125°C/100kHz)	Part Number
25 (1E)	180	6.3×7.7	0.18	45	4.5	0.5	7	197	UCN1E181MCL1GS
	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
35 (1V)	150	6.3×7.7	0.16	52.5	5.25	0.5	7	197	UCN1V151MCL1GS
	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

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