

ALUMINUM ELECTROLYTIC CAPACITORS

官网: www.dzsc.com

捷多邦, 专业PCB打样工厂, 24小时加急出货

nichicon

UJ

Chip Type, Higher Capacitance Range

series



For SMD

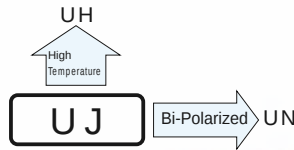


Long Life



Anti-Solvent
Feature
(Through
100V only)

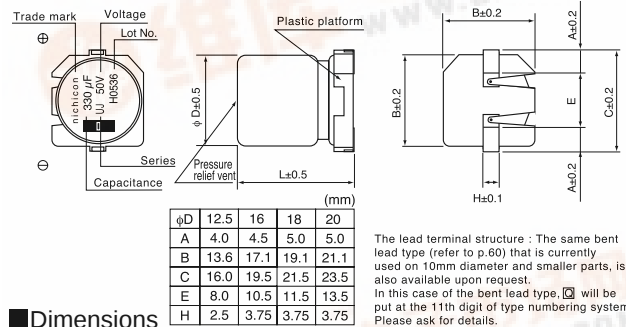
- Chip Type, higher capacitance in larger case sizes (φ12.5, φ16, φ18, φ20)
- Designed for surface mounting on high density PC board.
- Applicable to automatic mounting machine using carrier tape and tray.
- Adapted to the RoHS directive (2002/95/EC).



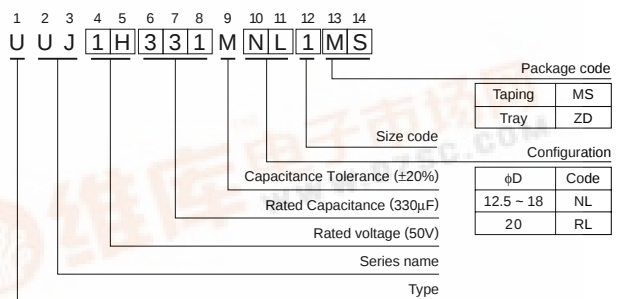
Specifications

Item	Performance Characteristics													
Category Temperature Range	-55 ~ +105°C (6.3 ~ 100V), -40 ~ +105°C (160 ~ 450V)													
Rated Voltage Range	6.3~450V													
Rated Capacitance Range	3.3~6800μF													
Capacitance Tolerance	±20% at 120Hz, 20°C													
Leakage Current	Rated voltage (V)			6.3 ~ 100						160~450				
	—			After 1 minutes' application of rated voltage, leakage current is not more than 0.03CV or 4 (μA), whichever is greater.									I = 0.04CV+100 (μA) max.(1 minute's)	
tan δ	Rated voltage (V)			6.3	10	16	25	35	50	63	100	160 ~ 250	400・450	120Hz 20°C
	tan δ (MAX)			0.26	0.22	0.18	0.16	0.14	0.12	0.10	0.08	0.15	0.20	
	For capacitance of more than 1000μF, add 0.02 for every increase of 1000μF.													
Stability at Low Temperature	Rated voltage (V)			6.3	10	16	25	35	50	63	100	160 ~ 250	400・450	120Hz
	Impedance ratio Z-25°C / Z+20°C			5	4	3	2	2	2	2	3	6		
	ZT / Z20 (MAX.) Z-40°C / Z+20°C			10	8	6	4	3	3	3	3	6	10	
Endurance	After 5000 hours' application of rated voltage at 105°C, capacitors meet the characteristic requirements listed at right.									Capacitance change		Within ±20% of initial value		
										tan δ		200% or less of initial specified value		
										Leakage current		Initial specified value or less		
Shelf Life	After storing the capacitors under no load at 105°C for 1000 hours, and after performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they will meet the specified value for endurance characteristics listed above.													
Marking	Black print on the case top.													

Chip Type



Type numbering system (Example : 50V 330μF)



Dimensions

(μF) Cap.	V	6.3	10	16	25	35	50
	Code	OJ	1A	1C	1E	1V	1H
220	221					12.5 × 13.5	12.5 × 16
330	331				12.5 × 13.5	12.5 × 16	● 16 × 16.5
470	471				12.5 × 16	● 16 × 16.5	△ 18 × 16.5
1000	102	12.5 × 13.5	12.5 × 16	● 16 × 16.5	△ 18 × 16.5	△ 18 × 16.5	18 × 21.5
2200	222	● 16 × 16.5	● 16 × 16.5	△ 18 × 16.5	18 × 21.5	20 × 21.5	
3300	332	△ 18 × 16.5	△ 18 × 16.5	18 × 21.5			
4700	472	★ 18 × 21.5	18 × 21.5				
6800	682	20 × 21.5	20 × 21.5				

(μF) Cap.	V	63	100	160	200	250	400	450
	Code	1J	2A	2C	2D	2E	2G	2W
3.3	3R3							12.5 × 13.5
4.7	4R7					12.5 × 13.5	12.5 × 16	12.5 × 16
10	100				12.5 × 13.5	12.5 × 16	16 × 16.5	16 × 16.5
22	220				12.5 × 16	12.5 × 16.5	18 × 21.5	18 × 21.5
33	330			12.5 × 13.5	● 16 × 16.5	△ 18 × 16.5	20 × 21.5	20 × 21.5
47	470		12.5 × 13.5	● 16 × 16.5	△ 18 × 16.5	★ 18 × 21.5		
68	680	12.5 × 13.5	12.5 × 16	● 16 × 16.5	★ 18 × 21.5	20 × 21.5		
100	101	12.5 × 16	● 16 × 16.5	★ 16 × 21.5				
220	221	● 16 × 16.5	△ 18 × 16.5					
330	331	△ 18 × 16.5	20 × 21.5					
470	471	18 × 21.5						

Size φ12.5 × 21 is available for capacitors marked, "●". Size φ16 × 21.5L is available for capacitors marked, "△". Size φ20 × 16.5L is available for capacitors marked, "★".

※ In this case, □ will be put at 12th digit of type numbering system.

Rated Ripple (mArms) at 105°C 120Hz

Frequency coefficient of rated ripple current

Cap. (μF)	Frequency	50Hz	120Hz	300Hz	1kHz	10kHz~
~ 68		0.75	1.00	1.35	1.57	2.00
100 ~ 470		0.80	1.00	1.23	1.34	1.50
1000 ~ 6800		0.85	1.00	1.10	1.13	1.15

- Taping specifications are given in page 24.
- Recommended land size, soldering by reflow are given in page 25, 26.