

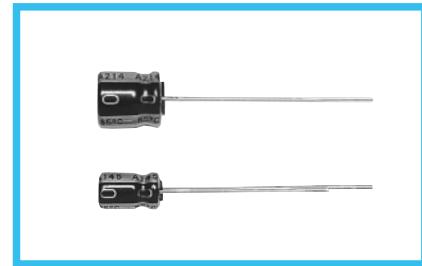
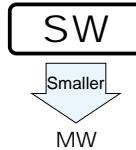
# ALUMINUM ELECTROLYTIC CAPACITORS

nichicon

**SW** 7mmL, For Audio Equipment  
series



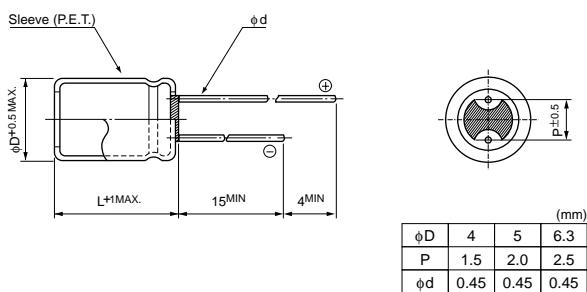
- Acoustic series, with 7mm height.
- Compliant to the RoHS directive (2011/65/EU).



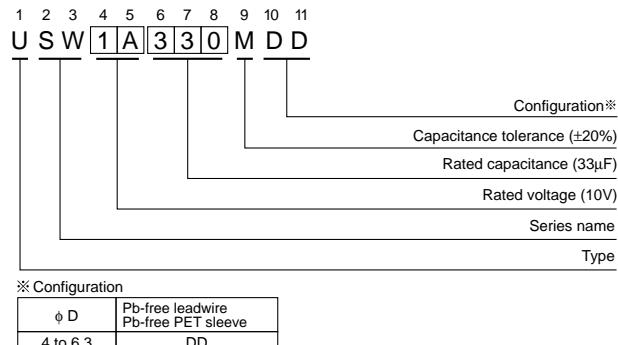
## ■ Specifications

Item	Performance Characteristics												
Category Temperature Range	-40 to +85°C												
Rated Voltage Range	6.3 to 50V												
Rated Capacitance Range	0.1 to 220μF												
Capacitance Tolerance	±20% at 120Hz, 20°C												
Leakage Current	After 2 minutes' application of rated voltage, leakage current is not more than 0.01CV or 3 (μA), whichever is greater.												
Tangent of loss angle (tan δ)	Measurement frequency : 120Hz at 20°C												
	Rated voltage (V)	6.3	10	16	25	35	50						
	tan δ (MAX.)	0.24	0.20	0.16	0.14	0.12	0.10						
Stability at Low Temperature	Measurement frequency : 120Hz												
	Rated voltage (V)	6.3	10	16	25	35	50						
	Impedance ratio Z-25°C / Z+20°C	4	3	2	2	2	2						
	ZT / Z20 (MAX.) Z-40°C / Z+20°C	8	6	4	4	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 1000 hours at 85°C.												
	Capacitance change	Within ±20% of the initial capacitance value											
	tan δ	200% 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 85°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.												
Marking	Printed with black color letter on gold sleeve.												

## ■ Radial Lead Type



## Type numbering system (Example : 10V 33μF)



## ■ Dimensions

Cap.(μF) \ V	6.3	10	16	25	35	50
	Code	0J	1A	1C	1E	1H
0.1	0R1					4x7 1.0
0.22	R22					4x7 2.3
0.33	R33					4x7 3.5
0.47	R47					4x7 5.0
1	010					4x7 10
2.2	2R2					4x7 19
3.3	3R3					4x7 24
4.7	4R7				4x7 24	4x7 28
10	100			4x7 28	4x7 28	31 5x7 38
22	220	4x7 34	4x7 35	4x7 39	5x7 48	5x7 52
33	330	4x7 40	4x7 43	5x7 55	5x7 58	6.3x7 65
47	470	4x7 48	5x7 59	5x7 65	6.3x7 71	
100	101	5x7 78	6.3x7 87	6.3x7 98		
220	221	6.3x7 120				Case size: φD x L (mm) Rated ripple

Rated ripple current (mA rms) at 85°C 120Hz

## ● Frequency coefficient of rated ripple current

Frequency	50Hz	120Hz	300Hz	1kHz	10kHz or more
Coefficient	0.70	1.00	1.17	1.36	1.50

Please refer to page 20, 21, 22 about the formed or taped product spec.  
Please refer to page 4 for the minimum order quantity.

CAT.8100C