

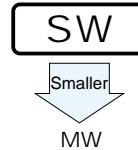
# ALUMINUM ELECTROLYTIC CAPACITORS

nichicon

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



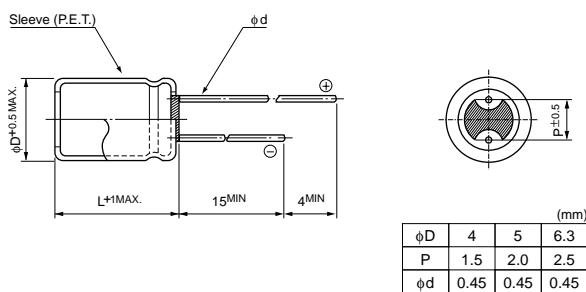
- Acoustic series, with 7mm height.
- Compliant to the RoHS directive (2002/95/EC).



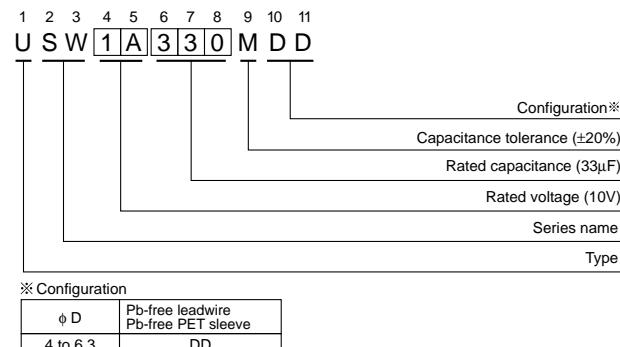
## ■ Specifications

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 ZT / Z20 (MAX.)	Z-25°C / Z+20°C 8	3	2	2	2	2						
	Z-40°C / Z+20°C	6	4	4	3	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	1V	1H	4x7	28	4x7	28	4x7	31	5x7	38	
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	28		
10	100								4x7	28	4x7	28	4x7	31	5x7	38	
22	220	4x7	34	4x7	35	4x7	39	5x7	48	5x7	52	6.3x7	65			4x7	58
33	330	4x7	40	4x7	43	5x7	55	5x7	58	6.3x7	63x7						
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 φ D × L (mm)	Rated ripple	

## ● 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

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

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.8100B

# Mouser Electronics

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