

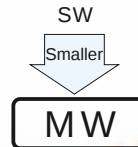
ALUMINUM ELECTROLYTIC CAPACITORS

nichicon

MW 5mmL, For General Audio Equipment series



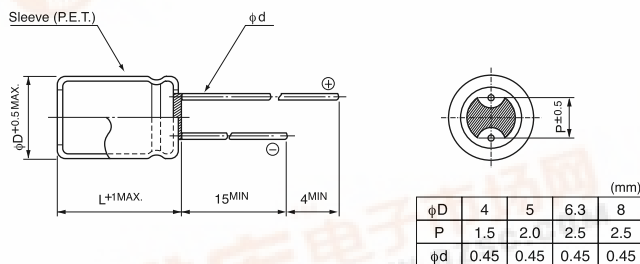
- Acoustic series, with 5mm height.
- Adapted to the RoHS directive (2002/95/EC).



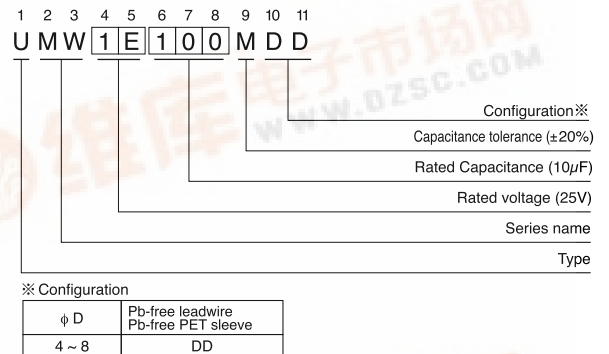
Specifications

Item	Performance Characteristics	
Category Temperature Range	-40 ~ +85°C	
Rated Voltage Range	4 ~ 50V	
Rated Capacitance Range	0.1 ~ 470μF	
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.	
tan δ	Measurement frequency : 120Hz, Temperature : 20°C	
	Rated voltage (V)	4 6.3 10 16 25 35 50
	tan δ (MAX.)	0.35 0.24 0.20 0.16 0.14 0.12 0.10
Stability at Low Temperature	Measurement frequency : 120Hz	
	Rated voltage (V)	4 6.3 10 16 25 35 50
	Impedance ratio ZT / Z20 (MAX.)	Z-25°C / Z+20°C 7 4 3 2 2 2 2
		Z-40°C / Z+20°C 15 8 6 4 4 3 3
Endurance	After 1000 hours' application of rated voltage at 85°C, capacitors meet the characteristics requirement 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 85°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	Printed with black color letter on gold sleeve.	

Radial Lead Type



Type numbering system (Example : 25V 10μF)



Dimensions

Cap.(μF)	code	4	6.3	10	16	25	35	50
		0G	0J	1A	1C	1E	1V	1H
0.1	0R1							4×5 1.0
0.22	R22							4×5 2.0
0.33	R33							4×5 2.8
0.47	R47							4×5 4.0
1	010							4×5 8.4
2.2	2R2							4×5 13
3.3	3R3						4×5 15	4×5 17
4.7	4R7					4×5 16	4×5 18	5×5 20
10	100				4×5 23	5×5 27	5×5 29	6.3×5 33
22	220		4×5 28	5×5 33	5×5 37	6.3×5 42	6.3×5 46	8×5 52
33	330	4×5 28	5×5 37	5×5 41	6.3×5 49	6.3×5 52	8×5 62	8×5 71
47	470	4×5 33	5×5 45	6.3×5 52	6.3×5 58	8×5 70	8×5 80	
100	101	5×5 56	6.3×5 70	8×5 80	8×5 92	8×5 110		
220	221	6.3×5 96	8×5 110	8×5 135				
330	331	8×5 145	8×5 170					
470	471	8×5 185						
								Case size φD×L
								(mm)
								Rated ripple

Rated Ripple (mArms) at 85°C 120Hz

Frequency coefficient of rated ripple current

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

Please refer to page 21, 22, 23 about the formed or taped product spec.
Please refer to page 3 for the minimum order quantity.