

UMW

5mmL, For General Audio Equipment



For Audio Use

Anti-Solvent
Feature

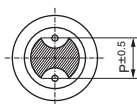
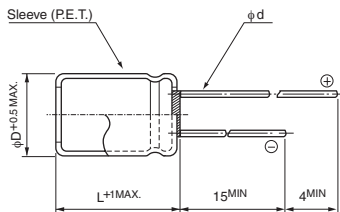
- Acoustic series, with 5mm height.
- Compliant to the RoHS directive (2011/65/EU).

**UMW**

■ Specifications

Item	Performance Characteristics										
Category Temperature Range	-40 to +85°C										
Rated Voltage Range	4 to 50V										
Rated Capacitance Range	1 to 470μF										
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 or 3 (μA) , whichever is greater.										
Tangent of loss angle (tan δ)	Measurement frequency : 120Hz at 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	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



	(mm)			
φD	4	5	6.3	8
P	1.5	2.0	2.5	2.5
φd	0.45	0.45	0.45	0.45

Type numbering system (Example : 25V 10μF)

1	2	3	4	5	6	7	8	9	10	11
U	M	W	1	E	1	0	0	M	D	D
			Configuration※							
								Capacitance tolerance (±20%)		
								Rated capacitance (10μF)		
								Rated voltage (25V)		
								Series name		
								Type		

※ Configuration

φ D	Pb-free leadwire Pb-free PET sleeve
4 to 8	DD

■ Dimensions

V		4	6.3	10	16	25	35	50		
Cap.(μF)	code	0G	0J	1A	1C	1E	1V	1H		
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
10	100				4 × 5	23	5 × 5	27	5 × 5	29
22	220		4 × 5	28	5 × 5	37	6.3 × 5	42	6.3 × 5	46
33	330	4 × 5	28	5 × 5	37	5 × 5	41	6.3 × 5	49	6.3 × 5
47	470	4 × 5	33	5 × 5	45	6.3 × 5	52	6.3 × 5	58	8 × 5
100	101	5 × 5	56	6.3 × 5	70	8 × 5	80	8 × 5	92	8 × 5
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							

Rated ripple current(mArms) at 85°C 120Hz

● Frequency coefficient of rated ripple current

Frequency	50 Hz	120 Hz	300 Hz	1 kHz	10 kHz 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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Nichicon:

[UMW0G101MDD](#) [UMW0G221MDD](#) [UMW0G330MDD](#) [UMW0G331MDD](#) [UMW0G470MDD](#) [UMW0G471MDD](#)
[UMW0J101MDD](#) [UMW0J220MDD](#) [UMW0J221MDD](#) [UMW0J330MDD](#) [UMW0J331MDD](#) [UMW0J470MDD](#)
[UMW1A101MDD](#) [UMW1A220MDD](#) [UMW1A221MDD](#) [UMW1A330MDD](#) [UMW1A470MDD](#) [UMW1C100MDD](#)
[UMW1C101MDD](#) [UMW1C220MDD](#) [UMW1C330MDD](#) [UMW1C470MDD](#) [UMW1E100MDD](#) [UMW1E101MDD](#)
[UMW1E220MDD](#) [UMW1E330MDD](#) [UMW1E470MDD](#) [UMW1E4R7MDD](#) [UMW1H010MDD](#) [UMW1H0R1MDD](#)
[UMW1H100MDD](#) [UMW1H220MDD](#) [UMW1H2R2MDD](#) [UMW1H330MDD](#) [UMW1H3R3MDD](#) [UMW1H4R7MDD](#)
[UMW1HR22MDD](#) [UMW1HR33MDD](#) [UMW1HR47MDD](#) [UMW1V100MDD](#) [UMW1V220MDD](#) [UMW1V330MDD](#)
[UMW1V3R3MDD](#) [UMW1V470MDD](#) [UMW1V4R7MDD](#) [UMW1HR33MDD1TP](#) [UMW0J470MDD1TP](#)
[UMW0G101MDD1TP](#) [UMW1A221MDD1TP](#) [UMW1E220MDD1TP](#) [UMW0J101MDD1TP](#) [UMW1A470MDD1TP](#)
[UMW1V100MDD1TP](#) [UMW1C220MDD1TP](#) [UMW1V4R7MDD1TP](#) [UMW1A220MDD1TP](#) [UMW1E100MDD1TP](#)
[UMW1A330MDD1TP](#) [UMW1V330MDD1TP](#) [UMW0G221MDD1TP](#) [UMW1C100MDD1TP](#) [UMW1E330MDD1TP](#)
[UMW1C330MDD1TP](#) [UMW0J221MDD1TP](#) [UMW1C470MDD1TP](#) [UMW1V220MDD1TP](#) [UMW1H100MDD1TP](#)
[UMW1H2R2MDD1TP](#) [UMW0J330MDD1TP](#) [UMW0G331MDD1TP](#) [UMW1E4R7MDD1TP](#) [UMW1H010MDD1TP](#)
[UMW1H4R7MDD1TP](#) [UMW1V3R3MDD1TP](#) [UMW1HR22MDD1TP](#) [UMW1C101MDD1TP](#) [UMW1H0R1MDD1TP](#)
[UMW1HR47MDD1TP](#) [UMW0J331MDD1TP](#) [UMW1A101MDD1TP](#) [UMW1V470MDD1TP](#) [UMW1H3R3MDD1TP](#)
[UMW0J220MDD1TP](#) [UMW1E101MDD1TP](#) [UMW0G470MDD1TP](#) [UMW1E470MDD1TP](#) [UMW0G471MDD1TP](#)
[UMW1H220MDD1TP](#) [UMW0G330MDD1TP](#) [UMW1H330MDD1TP](#) [UMW0J330MDD1TE](#) [UMW0G330MDD1TE](#)