



# Aluminum Electrolytic Capacitors

Radial Micro Miniature 85°C and 105°C

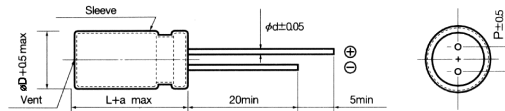
## RM, URM Series

- The sizes are smaller than UTLM/UTWS series
- Its height is 5mm

### SPECIFICATION

ITEM	SPECIFICATION								
Capacitance Tolerance (120Hz 20°C)	±20% (M)								
Rated Working Voltage	4WV-50WV								
Operation Temperature Range	-40 ~ +85°C (RM Series)				-40 ~ +105°C (URM Series)				
Surge Voltage (V) (20°C)	WV	4	6.3	10	16	25	35	50	
	SV	5	8	13	20	32	44	63	
Leakage Current (20°C)	I ≤ 0.01 CV or 3 Whichever is greater								
	After rated voltage applied for 3 minutes.								
Dissipation Factor (tan δ) (120Hz 20°C)	Where	I : Leakage Current (μA)		C : Capacitance (μF)		V : Rated Voltage (V)			
	WV	4	6.3	10	16	25	35	50	
Low Temperature Characteristics	DF	0.35	0.24	0.20	0.16	0.14	0.12	0.10	
	Impedance ratio at 120Hz								
	Comparison Z/WV	4	6.3	10	16	25	35	50	
Load Life	After 1000 hours application of W.V. at 85°C (RM Series) or 105°C (URM Series), the capacitor shall meet the following limits								
	Capacitance Change				≤ ±20% of Initial Value				
	Dissipation Factor				≤ 200% of Initial Specified Value				
Leakage Current				≤ Initial Specified Value					
Others	Satisfied JIS C-5141								

### DIMENSIONS (unit:mm)



Dimension	4	5	6.3
φD	4	5	6.3
P	1.5	2.0	2.5
φd	0.45	0.5	0.5
a	1.0	1.0	1.0

### RIPPLE CURRENT COEFFICIENTS

#### Frequency Multipliers

Freq.(Hz)	50	120	1K	10K ~
WV				
4 ~ 16	0.80	1.00	1.10	1.20
25 ~ 50	0.80	1.00	1.50	1.70

#### Temperature Multipliers

Temp.(°C)	~75	85	105
Coefficient	1.35	1.00	0.85

### CASE SIZE & MAX RIPPLE CURRENT

CAP Code	μF	WV	CASE SIZE ØDxL (mm)		MAX RIPPLE CURRENT (mA/120Hz), (85°C / RM Series, 105°C / URM Series)										
			4	6.3	10	16	25	35	50						
0R1	0.10											4x5	1.0		
R22	0.22											4x5	2.0		
R33	0.33											4x5	2.9		
R47	0.47											4x5	4.0		
010	1.0											4x5	8.5		
2R2	2.2											4x5	12		
3R3	3.3											4x5	15		
4R7	4.7						4x5	10	4x5	13	4x5	16	5x5	19	
100	10			4x5	18	4x5	20	4x5	24	4x5	27	5x5	30	6.3x5	32
220	22	4x5	22	4x5	27	5x5	29	5x5	33	6.3x5	40	6.3x5	48	6.3x5	52
330	33	4x5	28	5x5	34	5x5	36	5x5	43	6.3x5	53				
470	47	5x5	33	5x5	40	6.3x5	50	6.3x5	57						
101	100	6.3x5	55	6.3x5	66	6.3x5	75	6.3x5	86						
221	220	6.3x5	78	6.3x5	89										