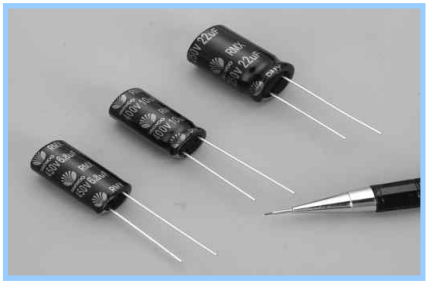
RMX SERIES

105℃, Low Z, High Ripple, Radial Leads

▣ Features

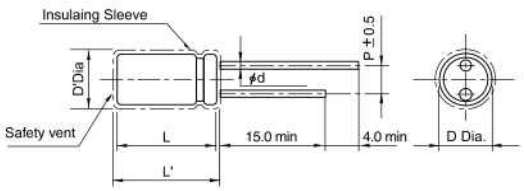
- Low impedance, High reliability
- Large permissible ripple current
- For adaptor, ballast
- Load life of 2,000 hours at 105℃



▣ Specifications

Item	Performance Characteristics			
Operating temperature range	-40℃ ~ +105℃		-25℃ ~ +105℃	
Rated working voltage range	160V ~ 400V		400V ~ 500V	
Nominal capacitance range	2.2 μF ~ 330 μF , ±20% (at 20℃, 120Hz)			
D.C Leakage current(at 20℃)	The following specifications shall be satisfied when the rated voltage is applied for the required time			
	I ≤ 0.03CVμA + 30μA (5min)			
	Where I = Leakage current(μA) C = Nominal capacitance(μF) V = Rated voltage (V)			
Tan δ (max., at 20℃, 120Hz)	W.V	160 ~ 400	450 ~ 500	
	Tan δ	0.20	0.24	
	When capacitance is over 1,000μF, Tanδ shell be added 0.02 to the listed value with increase of every each 1,000μF.			
Characteristics at low temperature(max.) (impedance ratio at 120Hz)	W.V(V)	160 ~ 250	350 ~ 400	450 ~ 500
	Z-25℃/Z+20℃	3	5	6
	Z-40℃/Z+20℃	6	6	-
Load life	After applying rated working voltage for 2,000(Φ5, Φ6.3, Φ8 : 1,000) hours at +105℃ and then being stabilized at +20℃, capacitors shall meet following limits.			
	Capacitance change	Within ± 20% of the initial measured value		
	Tan δ	≤ 200% of the initial specified value		
	Leakage current	≤ The initial specified value		
Shelf life	After storage for 1,000hours at + 105℃ with no voltage applied and then being stabilized at +20℃, capacitors shall meet following limits.			
	Capacitance change	Within ± 20% of the initial measured value		
	Tan δ	≤ 200% of the initial specified value		
	Leakage current	≤ The initial specified value		

▣ Dimensions



· Standard lead style

Φ D	5.0	6.3	8.0	10.0	12.5	16.0	18.0
P	2.0	2.5	3.5	5.0		7.5	
Φ d	0.5		0.6			0.8	

D′ = [D+0.5] Max. L′ = [L+1.5] Max. at D≤8.0
L′ = [L+2.0] Max. at D≤10.0

▣ Ripple current coefficient

· Frequency

Cap(μF) \ Freq(Hz)	120	400	1K	10K	100K
Capacitance	1.00	1.89	1.94	2.54	2.70

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▣ Dimensions, Ripple current & Impedance

μF \ V	160	200	250	350	400	450	500
2.2					8 x 11.5 24 12		
4.7					8 x 11.5 35 8.8	10 x 16 70 9.0	
6.8					8 x 16 43 6.5	10 x 20 90 7.0	
10			10 x 20 140 4.0	10 x 20 120 3.2	10 x 12.5 50 6.5	10 x 20 110 3.0	12.5 x 20 120 3.0
22	10 x 20 180 1.6	10 x 20 180 1.6	12.5 x 20 200 2.8	12.5 x 20 200 2.5	12.5 x 25 210 2.0	16 x 25 230 2.2	16 x 25 210 2.0
33	10 x 20 240 1.6	10 x 20 240 1.2	12.5 x 25 240 2.0	16 x 20 270 1.1	16 x 20 275 1.1	16 x 31.5 300 1.4	18 x 25 250 1.5
47	12.5 x 20 310 1.1	12.5 x 20 310 1.1	12.5 x 25 330 2.0	16 x 25 340 0.85	16 x 25 345 0.90	18 x 25 350 1.1	18 x 31.5 350 1.1
68	12.5 x 25 400 0.75	12.5 x 25 400 0.75	16 x 31.5 420 1.00	16 x 31.5 450 0.62	16 x 31.5 460 0.60	18 x 31.5 450 0.85	18 x 35.5 500 0.83
100	16 x 25 540 0.53	16 x 25 540 0.48	16 x 31.5 550 0.75	18 x 31.5 570 0.51	18 x 35.5 580 0.47	18 x 40 550 0.50	
150	16 x 31.5 710 0.32	16 x 31.5 710 0.35	18 x 11 680 0.50		18 x 40 730 0.38	20 x 40 720 0.42	
220	16 x 31.5 860 0.30	18 x 31.5 860 0.30	18 x 31.5 820 0.42		22 x 45 950 0.34		
330	16 x 31.5 1030 0.28		20 x 11 1050 0.31				
	Case size : ΦD x L(mm) Maximum permissible ripple current[mA(rms) at 105℃, 120㎐] Impedance(Z) [Ω max. / 20℃ , 100㎑]						