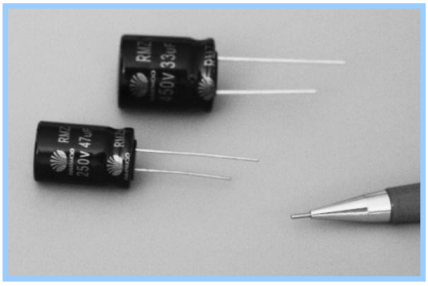
RMZ SERIES

105℃, Low Z, Long Life, Radial Leads

▣ Features

- **Very Low impedance at high frequency**
- **Large permissible ripple current**
- **For ballast and other long life required applications**
- **Load life of 7,000 ~ 10,000 hours at 105℃**

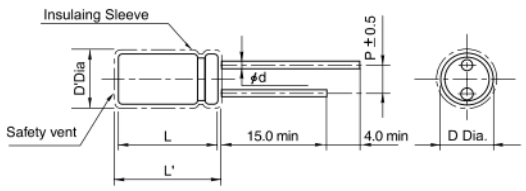


▣ Specifications

RMY → Long Life → RMZ

Item	Performance Characteristics			
Operating temperature range	-40℃ ~ +105℃		-25℃ ~ +105℃	
Rated working voltage range	160V ~ 250V		350V ~ 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 ≤ 0.03CV + 15μA (5min)			
	Where I = Leakage current(μA) C = Nominal capacitance(μF) V = Rated voltage (V)			
Tan δ (max., at 20℃, 120Hz)	W.V	160 ~ 250	350 ~ 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 10,000 hours at +105℃ and then listed being stabilized at +20℃, capacitors shall meet following limits. (Life time : See on the right table →)		Φ (D)	Life Time
	Capacitance change	Within ± 20% of the initial measured value	8	7Khr
	Tan δ	≤ 200% of the initial specified value	10	8Khr
	Leakage current	≤ The initial specified value	12.5~	10Khr
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	≤ 300% of 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	1.10	1.25	1.45	1.73

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▣ Dimensions & Maximum permissible ripple current

μF \ V	160	200	250	350	400	450	500
2.2					8 x 11.5 21		
4.7					8 x 11.5 32	10 x 16 62	
6.8					8 x 16 58	10 x 20 81	
10			10 x 20 115	10 x 20 109	10 x 20 109	10 x 20 90	12.5 x 20 105
22	10 x 20 180	10 x 20 171	12.5 x 20 195	12.5 x 20 185	12.5 x 25 200	16 x 25 223	16 x 25 190
33	10 x 20 220	10 x 20 205	12.5 x 25 251	16 x 20 251	16 x 20 260	16 x 31.5 281	18 x 25 224
47	12.5 x 20 290	12.5 x 20 276	12.5 x 25 303	16 x 25 312	16 x 25 340	18 x 25 336	18 x 31.5 361
68	12.5 x 25 380	12.5 x 25 364	16 x 25 405	16 x 31.5 436	16 x 31.5 450	18 x 31.5 423	18 x 35.5 510
100	16 x 25 490	16 x 25 497	16 x 31.5 542	18 x 31.5 540	18 x 35.5 580	18 x 40 570	
150	16 x 31.5 673	16 x 31.5 670	18 x 25 661	18 x 40 716	18 x 40 716	20 x 40 720	
220	16 x 31.5 794	18 x 31.5 843	18 x 31.5 813				
330	16 x 35.5 910	Case size : ΦD x L(mm) Maximum permissible ripple current[mA(rms) at 105℃, 120㎐]					