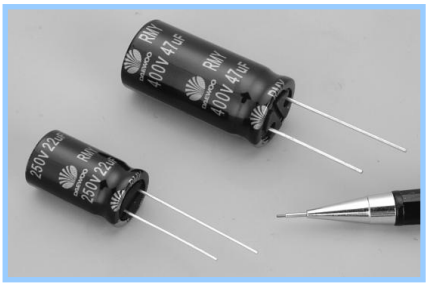
RMY SERIES

105℃, Low Z, High Ripple, Radial Leads

▣ Features

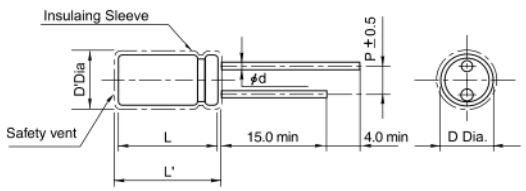
- **Low impedance, High reliability**
- **Large permissible ripple current**
- **For adaptor, ballast**
- **Load life of 2,000~5,000 hours at 105℃**



▣ Specifications

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 ~ 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	6	6
	Z-40℃/Z+20℃	6	-	-
Load life	After applying rated working voltage for 5,000 hours at +105℃ and then listed being stabilized at +20℃, capacitors shall meet following limits. (2,000Hours for ≤ 6.3Φ)			
	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	≤ 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 26		
4.7					8 x 11.5 38	10 x 16 63	
6.8			8 x 11.5 61		8 x 16 56	10 x 20 86	
10		8 x 11.5 63	10 x 20 123	10 x 20 116	10 x 20 96	12.5 x 20 120	12.5 x 20 119
22	10 x 20 180	10 x 20 176	12.5 x 20 204	12.5 x 20 183	12.5 x 25 206	16 x 25 210	16 x 25 220
33	10 x 20 226	12.5 x 20 243	12.5 x 25 260	16 x 20 264	16 x 20 264	16 x 31.5 302	18 x 25 260
47	12.5 x 20 293	12.5 x 20 301	12.5 x 25 329	16 x 25 343	16 x 25 341	18 x 25 343	18 x 31.5 361
68	12.5 x 25 395	12.5 x 25 382	16 x 31.5 450	16 x 31.5 432	16 x 31.5 450	18 x 31.5 469	18 x 35.5 461
100	16 x 25 529	16 x 25 523	16 x 31.5 570	18 x 31.5 560	18 x 35.5 581	18 x 40 580	
150	16 x 31.5 720	16 x 31.5 723	18 x 31.5 721		18 x 40 730	20 x 40 734	
220	16 x 31.5 843	18 x 31.5 853	18 x 35.5 893		22 x 45 931		
330	18 x 31.5 1023	Case size : ΦD x L(mm) Maximum permissible ripple current[mA(rms) at 105℃, 120㎐]					