

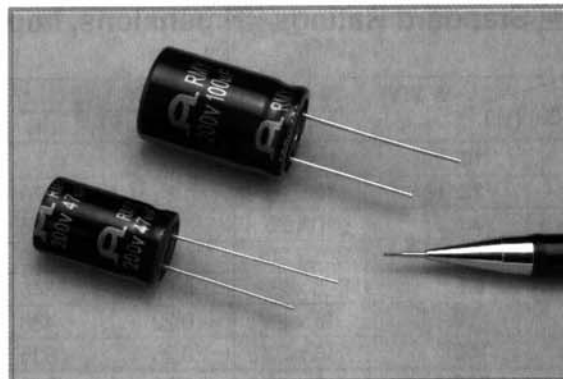


# RMY SERIES

Low Z, High Ripple, Radial Leads

## Features

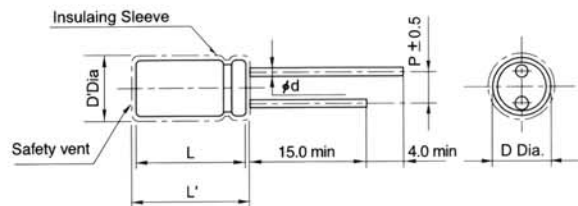
- Low impedance, High reliability
- Large permissible ripple current
- Load life of 5000 hours at 105°C
- For AC adapter, For ballasts



## Specifications

Item	Performance Characteristics						
Operating temperature range	+40°C ~ +105°C			+25°C ~ +105°C			
Rated working voltage range	160V ~ +250V			350V ~ +450V			
Nominal capacitance range	6.8μF ~ 330μF, -20% (at 20°C, 120Hz)						
D.C Leakage current(at 20°C)	The following specifications shall be satisfied when the rated voltage is applied for the required time. $I \leq 0.02CV + 15\mu A$ (5 min) Where I =Leakage current(μA) C=Nominal capacitance(μF) V=Rated voltage(V)						
Tan δ (max., at 20°C, 120Hz)	W.V(V)	160	200	250	350	400	450
	Tan δ	0.15	0.15	0.15	0.20	0.20	0.24
Characteristics at low temperature(max.) (impedance ratio at 120Hz)	W.V(V)	160	200	250	350	400	450
	Z-25°C/+20°C	3	3	3	6	6	6
	Z-40°C/+20°C	6	6	6	-	-	-
Load life	After applying rated working voltage for 5000 hours at +105°C and then being stabilized at +20°C, 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 1000 hours at +105°C with no voltage applied and then being stabilized at +20°C, 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

φD	8.0	10.0	12.5	16.0	18.0
P	3.5	5.0		7.5	
φd	0.6			0.8	

D'=[D +0.5] Max.

L' =[L+1.5] Max

## Ripple current coefficient

### Frequency

Cap(μF)	Freq(Hz)	120	400	1K	10K	100K
Cap ≤ 10		1.0	1.62	1.91	2.50	2.94
10 < Cap ≤ 100		1.0	1.89	1.94	2.54	2.70
100 < Cap		1.0	1.34	1.25	1.73	1.92

### Temperature

Temperature	≤ 70°C	85°C	105°C
Factor	1.65	1.37	1.0

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## Standard Ratings[Dimensions, Impedance, Ripple Current]

 $\phi$  D x L(mm)

Cap( $\mu$ F)	W.V(V)	160(2C)			200(2D)			250(2E)		
		SIZE	Z	I <sub>R</sub>	SIZE	Z	I <sub>R</sub>	SIZE	Z	I <sub>R</sub>
10								10 x 20	3.5	330
22		10 x 20	1.3	500	10 x 20	1.5	500	12.5 x 20	2.3	510
33		10 x 20	1.3	590	12.5 x 20	0.91	620	12.5 x 25	1.7	670
47		12.5 x 20	0.91	760	12.5 x 20	0.91	810	12.5 x 25	1.7	680
68		12.5 x 25	0.63	990	12.5 x 25	0.63	990	16 x 25	0.78	1040
100		16 x 25	0.43	1310	16 x 25	0.27	1330	16 x 31.5	0.63	1430
150		16 x 31.5	0.22	1350	16 x 31.5	0.25	1360	18 x 31.5	0.42	1480
220		16 x 31.5	0.22	1380	16 x 31.5	0.22	1740	18 x 40	0.35	1510
330		18 x 35.5	0.22	1740						

Cap( $\mu$ F)	W.V(V)	350(2V)			400(2G)			450(2W)		
		SIZE	Z	I <sub>R</sub>	SIZE	Z	I <sub>R</sub>	SIZE	Z	I <sub>R</sub>
10		10 x 20	2.9	220	10 x 20	2.9	220	12.5 x 20	2.5	340
22		12.5 x 20	2.1	310	12.5 x 25	1.30	310	16 x 25	1.7	610
33		16 x 20	0.91	630	16 x 25	0.91	630	16 x 31.5	1.1	650
47		16 x 25	0.73	730	16 x 31.5	0.73	730	18 x 31.5	0.93	930
68		16 x 31.5	0.49	1130	16 x 35.5	0.49	1130	18 x 35.5	0.71	1010
100		18 x 35.5	0.40	1210	18 x 40	0.34	1280			

 I<sub>R</sub>: Maximum permissible ripple current[mA(rms) at 105°C,120Hz]

 Z: Max. Impedance[ $\Omega$  at 20°C,100KHz]