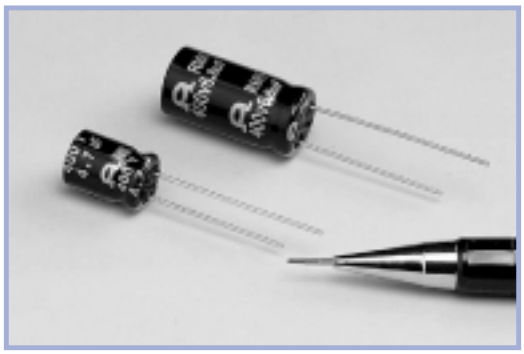
RMH SERIES

Low Z, High Ripple, Radial Leads

Features

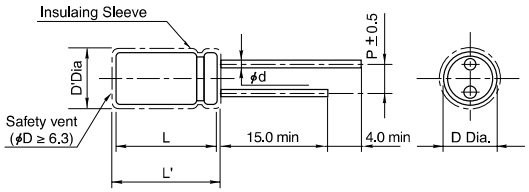
- Low ESR, Low impedance
- Large permissible ripple current
- Load life of 2000 hours at 85°C
- For charger



Specifications

Item	Performance Characteristics		
Operating temperature range	350V ~ 400V : -25°C ~ +85°C		
Rated working voltage range	350V ~ 400V		
Nominal capacitance range	470μF ~ 100μF, ±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 ≤ 0.02CV + 30μA(3 min) Where I =Leakage current(μA) C=Nominal capacitance(μF) V=Rated voltage(V)		
Tan δ (max., at 20°C, 120Hz)	W.V(V)	350	400
	Tan δ	0.10	0.10
Characteristics at low temperature (max.) (impedance ratio at 120Hz)	W.V(V)	350	400
	Z -25°C/+20°C	6	6
Load life	After applying rated working voltage for 2000 hours at +85°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 +85°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	≤ 150% of the initial specified value	
	Leakage current	≤ 200% 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 < 33	1.0	1.62	1.91	2.50	2.94
33 ≤ Cap < 330	1.0	1.89	1.94	2.54	2.70

• Temperature

Temperature	≤ 60°C	70°C	85°C
Factor	1.65	1.37	1.0

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▣ Standard Ratings [Dimensions, ESR, Ripple Current]

ϕD x L(mm)

W.V(V) / Cap(μF)	350(2V)			400(2G)		
	SIZE	Z	I_R	SIZE	Z	I_R
4.7	8X11	7.5	70	8X11	7.2	80
6.8	10X12.5	4.2	100	10X12.5	4.0	110
10	10X16	3.2	140	10X16	3.0	150
22	12.5X20	2.1	210	12.5X25	1.7	230
33	12.5X25	1.5	300	16X25	1.0	330
47	16X25	0.80	400	16X25	0.75	400
68	16X31.5	0.55	500	16X31.5	0.50	450
100	16X35.5	0.43	650	18X40	0.35	650

I_R : Maximum permissible ripple current[mA(rms) at 85˚C, 120Hz]
Z : Max. Impedance [Ω at 20˚C,100KHz]

LOW Z