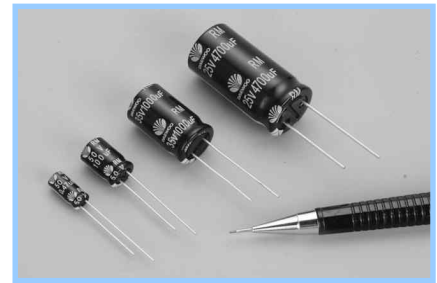


RM SERIES

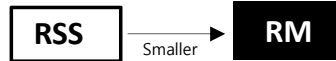
85°C, Miniature, Radial Leads

■ Features

- 85°C, Miniature, Radial
- Very high CV capacity per unit volume
- Load life of 2,000 hours at 85°C
- Smaller than RSS

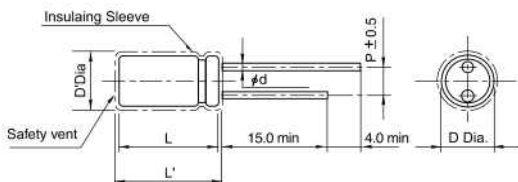


■ Specifications



Item	Performance Characteristics										
Operating temperature range	-40°C ~ +85°C			-25°C ~ +85°C				-25°C ~ +85°C			
Rated working voltage range	6.3V ~ 100V			160V ~ 250V				350V ~ 500V			
Nominal capacitance range	0.1 μF ~ 15,000 μF, ±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 ≤ 0.01CV or 3μA (2min), whichever is greater.			I ≤ 0.01CV + 10μA (3min)				I ≤ 0.02CV+30μA (3min)			
	Where I = Leakage current(μA) C = Nominal capacitance(μF) V = Rated voltage (V)										
Tan δ (max., at 20°C, 120Hz)	W.V	6.3	10	16	25	35	50	63	100	160~250	350~500
	Tan δ	0.28	0.24	0.20	0.16	0.14	0.12	0.10	0.08	0.15	0.20
	When capacitance is over 1,000μF, Tanδ shall 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)	6.3	10	16	25	35	50~100	160~250	350~500		
	Z-25°C/+20°C	4	3	2	2	2	2	3	6		
	Z-40°C/+20°C	12	10	8	5	4	3	5	-		
Load life	After applying rated working voltage for 2,000hours 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 1,000hours 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	≤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)	50	120	400	1K	10K	50~100K
Cap ≤ 10	0.8	1.0	1.30	1.45	1.65	1.70
10 ≤ Cap ≤ 100	0.8	1.0	1.23	1.36	1.48	1.53
100 ≤ Cap ≤ 1000	0.8	1.0	1.16	1.25	1.35	1.38
1000 ≤ Cap	0.8	1.0	1.11	1.17	1.25	1.28

