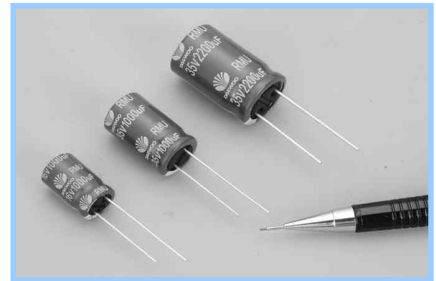


RMU SERIES

105°C, Miniature, Radial Leads

■ Features

- 105°C, Miniature, Radial
- Very high CV capacity unit volume
- Wide operating temperature range
- Load life of 2,000 hours at 105°C
- Smaller than RUS

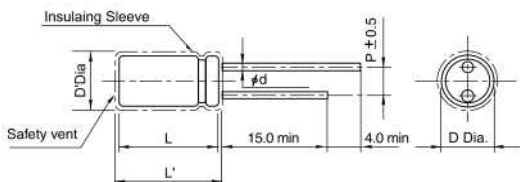


■ Specifications



Item	Performance Characteristics										
	-40°C ~ +105°C			-25°C ~ +105°C				-25°C ~ +105°C			
Operating temperature range	-40°C ~ +105°C			-25°C ~ +105°C				-25°C ~ +105°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 + 3μA (2min)			I ≤ 0.01CV+10μA (3min)				I ≤ 0.02CV+30μA (5min)			
	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	5	4	3	2	2	2	3	6		
	Z-40°C/+20°C	10	8	6	4	3	3	4	-		
Load life	After applying rated working voltage for 2,000(Φ5, Φ6.3, Φ8 : 1,000) 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 1,000hours 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	≤The initial specified value (200% for ≥ 160 Vdc)									

■ 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

RMU SERIES

▣ Dimensions & Maximum permissible ripple current

μF \ V	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450	500
0.1						5 x 11 2.0		5 x 11 3.2							
0.22						5 x 11 3.1		5 x 11 4.2							
0.33						5 x 11 6.1		5 x 11 7.1							
0.47						5 x 11 9.3		5 x 11 10							
0.47						5 x 11 8.9	5 x 11 10	5 x 11 11	6.3 x 11 11	6.3 x 11 11	6.3 x 11 12	6.3 x 11 12			
0.68						5 x 11 11	5 x 11 12	5 x 11 13	6.3 x 11 13	6.3 x 11 14	6.3 x 11 14	6.3 x 11 14			
1.0						5 x 11 12	5 x 11 14	5 x 11 15	6.3 x 11 13	6.3 x 11 14	6.3 x 11 15	6.3 x 11 16	6.3 x 11 17	6.3 x 11 13	6.3 x 11 12
2.2						5 x 11 16	5 x 11 17	5 x 11 19	6.3 x 11 18	6.3 x 11 22	6.3 x 11 24	8 x 11.5 26	8 x 11.5 27	8 x 11.5 23	8 x 11.5 20
3.3						5 x 11 27	5 x 11 30	5 x 11 31	6.3 x 11 32	6.3 x 11 32	6.3 x 11 33	8 x 11.5 34	10 x 12.5 37	10 x 12.5 32	10 x 16 29
4.7				5 x 11 22	5 x 11 24	5 x 11 34	5 x 11 35	5 x 11 36	6.3 x 11 36	6.3 x 11 39	8 x 11.5 40	8 x 11.5 40	10 x 12.5 42	10 x 16 38	10 x 16 36
6.8				5 x 11 28	5 x 11 30	5 x 11 40	5 x 11 43	5 x 11 47	8 x 11.5 47	8 x 11.5 48	8 x 11.5 50	10 x 16 57	10 x 16 59	10 x 20 53	10 x 20 50
10			5 x 11 32	5 x 11 33	5 x 11 36	5 x 11 49	5 x 11 54	6.3 x 11 54	8 x 11.5 54	8 x 11.5 56	10 x 16 67	10 x 20 71	10 x 20 78	10 x 20 69	12.5 x 20 75
22		5 x 11 43	5 x 11 48	5 x 11 51	5 x 11 61	5 x 11 72	5 x 11 79	5 x 11 90	10 x 16 100	10 x 16 102	10 x 20 115	12.5 x 20 135	10 x 25 141	12.5 x 25 122	16 x 25 120
33	5 x 11 46	5 x 11 51	5 x 11 54	5 x 11 68	5 x 11 72	5 x 11 88	6.3 x 11 110	6.3 x 11.5 130	10 x 20 141	10 x 20 142	12.5 x 20 168	12.5 x 25 170	16 x 20 190	12.5 x 30 172	16 x 31.5 163
47	5 x 11 55	5 x 11 60	5 x 11 70	5 x 11 73	5 x 11 90	6.3 x 11 120	6.3 x 11 130	6.3 x 12.5 171	10 x 20 181	12.5 x 20 198	12.5 x 25 214	16 x 20 221	16 x 25 252	16 x 31.5 217	18 x 31.5 182
68	5 x 11 61	5 x 11 75	5 x 11 83	5 x 11 102	6.3 x 11 125	6.3 x 11 140	8 x 11 185	8 x 12.5 239	12.5 x 20 248	12.5 x 25 258	16 x 20 272	16 x 31.5 313	16 x 35.5 348	18 x 35.5 315	
100	5 x 11 81	5 x 11 89	5 x 11 113	6.3 x 11 144	6.3 x 11 152	8 x 11.5 207	10 x 12.5 225	10 x 20 315	12.5 x 25 325	16 x 20 330	16 x 25 362	16 x 35.5 402	18 x 40 416	22 x 35 381	
220	5 x 11 142	5 x 11 153	6.3 x 11 192	6.3 x 11 213	8 x 11.5 265	10 x 12.5 355	10 x 16 425	12.5 x 20 521	16 x 25 595	16 x 31.5 622	18 x 40 658	22 x 45 702			
330	6.3 x 11 195	6.3 x 11 215	6.3 x 11.5 240	8 x 11.5 305	10 x 12.5 340	10 x 16 450	10 x 20 571	12.5 x 20 720	18 x 31.5 762	18 x 40 800	22 x 40 809				
470	6.3 x 11 233	6.3 x 11 252	8 x 11.5 330	10 x 12.5 402	10 x 16 497	10 x 20 621	12.5 x 20 800	16 x 25 965	22 x 35 1017	22 x 40 1040					
680	8 x 11.5 330	8 x 11.5 362	10 x 12.5 410	10 x 16 558	12.5 x 16 700	12.5 x 20 887	12.5 x 25 1045	16 x 35.5 1234	22 x 40 1321						
1,000	8 x 11.5 400	10 x 12.5 497	10 x 16 612	10 x 20 740	12.5 x 20 921	12.5 x 25 1164	12.5 x 25 1415	18 x 40 1817							
1,500	10 x 16 545	10 x 16 627	10 x 20 688	12.5 x 20 870	12.5 x 25 1058	16 x 31.5 1243	16 x 35.5 1460								
2,200	10 x 16 702	10 x 20 804	12.5 x 20 995	12.5 x 25 1158	16 x 25 1350	16 x 35.5 1573	18 x 35.5 1788								
3,300	10 x 20 951	12.5 x 20 1084	12.5 x 25 1251	16 x 25 1482	16 x 31.5 1629	18 x 35.5 2020									
4,700	12.5 x 20 1130	12.5 x 25 1352	16 x 20 1455	16 x 31.5 1810	18 x 35.5 2102										
6,800	12.5 x 25 1403	16 x 25 1675	16 x 31.5 1872	18 x 35.5 2210	18 x 40 2383										
10,000	16 x 25 1720	16 x 31.5 1859	18 x 31.5 2130	18 x 40 2421											
15,000	16 x 35.5 2137	Case size : $\Phi\text{D} \times \text{L}(\text{mm})$ Maximum permissible ripple current[mA(rms) at 105°C, 120Hz]													