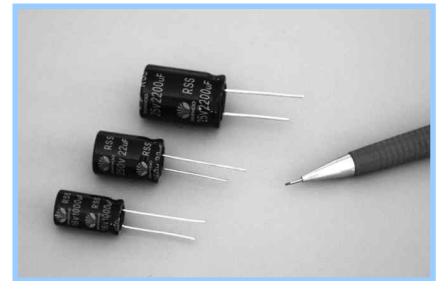


RSS SERIES

85°C, Standard, Radial Leads

■ Features

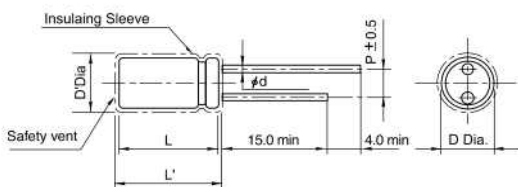
- 85°C, Standard, Radial
- High performance
- Ideal for automatic insertion
- Load life of 2,000 hours at 85°C



■ 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	0.26	0.22	0.17	0.15	0.12	0.10	0.10	0.08	0.20	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	2	2	6	
	Z-25°C/+20°C	10	8	6	4	3	3	3	3	-	
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

RSS SERIES

▣ Dimensions & Maximum permissible ripple current

μF \ V	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450	500	
0.10						5 x 11 6		5 x 11 6								
0.22						5 x 11 8		5 x 11 8			6.3 x 11 22	8 x 11.5 24	8 x 11.5 24	8 x 11.5 26		
0.33						5 x 11 10		5 x 11 10			8 x 11.5 39	10 x 12.5 45	10 x 12.5 47	10 x 12.5 50		
0.47						5 x 11 14		5 x 11 14			10 x 12.5 51	10 x 12.5 56	10 x 16 58	10 x 16 58		
1.0						5 x 11 19		5 x 11 21	6.3 x 11 22	6.3 x 11 22	10 x 16 68	10 x 16 72	10 x 16 74	10 x 16 76	10 x 20 85	
2.2						5 x 11 25		5 x 11 27	6.3 x 11 33	6.3 x 11 33	10 x 20 95	10 x 20 108	12.5 x 20 132	12.5 x 20 140	12.5 x 25 147	
3.3						5 x 11 32		5 x 11 35	8 x 11.5 47	8 x 11.5 51	12.5 x 20 187	12.5 x 25 210	16 x 25 225	16 x 25 235	16 x 31.5 250	
4.7						5 x 11 42		5 x 11 52	8 x 11.5 57	10 x 12.5 64	12.5 x 25 246	16 x 25 270	16 x 31.5 298	16 x 31.5 305	16 x 35 320	
10						5 x 11 55	5 x 11 60	6.3 x 11 79	10 x 16 90	10 x 16 95	16 x 25 300	16 x 35.5 337	16 x 35.5 375	18 x 35.5 415	18 x 40 440	
22					5 x 11 72	5 x 11 80	6.3 x 11 95	8 x 11.5 125	10 x 20 150	10 x 20 165	18 x 35.5 510	18 x 40 576				
33				5 x 11 85	5 x 11 104	6.3 x 11 130	6.3 x 11 125	10 x 12.5 179	12.5 x 20 210	12.5 x 25 237						
47			5 x 11 110	5 x 11 126	6.3 x 11 134	6.3 x 11 151	8 x 11.5 184	10 x 16 250	12.5 x 25 260	12.5 x 25 288						
100	5 x 11 135	5 x 11 150	6.3 x 11 180	6.3 x 11 187	8 x 11.5 228	8 x 11.5 240	10 x 12.5 320	12.5 x 20 420	16 x 25 480	16 x 31.5 510						
220	6.3 x 11 220	6.3 x 11 235	8 x 11.5 300	8 x 11.5 320	10 x 12.5 430	10 x 16 502	10 x 12.5 595	16 x 25 776	18 x 35.5 861	18 x 40 895						
330	6.3 x 11 290	8 x 11.5 345	8 x 11.5 385	10 x 12.5 500	10 x 16 568	10 x 20 674	10 x 20 840	16 x 25 970								
470	8 x 11.5 380	8 x 11.5 410	10 x 16 510	10 x 16 703	10 x 20 756	12.5 x 20 905	12.5 x 20 980	16 x 31.5 1220								
1,000	10 x 12.5 670	10 x 16 785	10 x 20 950	12.5 x 20 1110	12.5 x 25 1420	16 x 25 1580	12.5 x 25 1700									
2,200	12.5 x 20 1220	12.5 x 20 1280	12.5 x 25 1510	16 x 25 1650	16 x 31.5 1880	18 x 35.5 2310										
3,300	12.5 x 20 1440	12.5 x 25 1655	16 x 25 1900	16 x 31.5 2170	18 x 35.5 2510											
4,700	16 x 25 1970	16 x 25 2100	16 x 31.5 2290	18 x 35.5 2590												
6,800	16 x 25 2255	16 x 31.5 2520	18 x 35.5 2750													
10,000	16 x 31.5 2740	18 x 35.5 2910														
15,000	18 x 35.5 3250	Case size : $\Phi\text{D} \times \text{L}(\text{mm})$ Maximum permissible ripple current[mA(rms) at 85°C, 120Hz]														