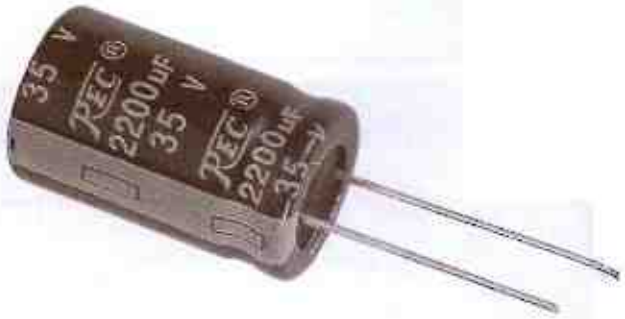
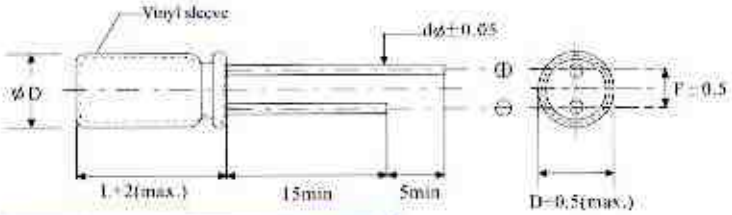
SR SERIES

FEATURES

- *Load life of 2000 hours at 85℃.*
- *High value of CV range.*
- *Standard series for general purpose.*
- *Applications for TV, Video, audio, office,home appliance etc.*



DIMENSIONS



mm

D	5	6.3	8	10	13	16	18	20	22	25
F	2.0	2.5	3.5	5.0		7.5		10.5		12.5
d	0.5		0.6			0.8				1.0

SPECIFICATIONS

Item	Characteristics															
Operation Temperature	-40～+85℃							-25～+85℃								
Rated Working Voltage Range	6.3～100VDC							160～450VDC								
Capacitance Tolerance (120Hz,25℃)	±20%(M)															
Leakage Current (25℃)	6.3～100VDC							160～450VDC								
	I≤0.01CV or 3(μA)							I≤0.03CV+10(μA)								
	I:Leakage Current (μA) C:Rated Capacitance (μF) V:Working Voltage (V)															
	(After 2 minutes applying the DC working voltage)							(After 5 minutes applying the DC working voltage)								
Surge Voltage (25℃)	WV	6.3	10	16	25	35	40	50	63	100	160	200	250	350	400	450
	SV	8	13	20	32	44	50	63	79	125	200	250	300	400	450	500
Dissipation Factor (120Hz,25℃) (tan δ)	WV	6.3	10	16	25	35	40	50	63	100	160	200	250	350	400	450
	tan δ	0.25	0.20	0.17	0.15	0.12	0.12	0.10	0.10	0.10	0.15	0.15	0.15	0.20	0.20	0.20
	For capacitance exceeding 1000 μF, add 0.02 per increment of 1000 μF															
Temperature Characteristics	WV	6.3	10	16	25	35	40	50	63	100	160	200	250	350	400	450
	-25℃/+25℃	4	4	3	3	2	2	2	2	2	3	3	3	6	6	6
	-40℃/+25℃	10	8	6	4	3	3	3	3	3	4	4	4	6	6	6
	Impedance ratio at 120Hz															
Load Test	After 2000 hours application of WV at+85℃,the capacitor shall meet the following limits.															
	Capacitance Change	≤±20% of initial value														
	tan δ	≤150% of initial specified value														
	Leakage Current	≤ initial specified value														
Shelf Test	After 1000 hours, no voltage applied at +85℃,the capacitor shall meet the following limits.															
	Capacitance Change	≤±20% of initial value														
	tan δ	≤150% of initial specified value														
	Leakage Current	≤200% of initial specified value														

DIMENSIONS

D×L(m/m)

WV / μF	6.3	10	16	25	35	40	50	63	100	160	200	250	350	400	450
0.1						→	5×11	5×11	5×11						
0.22						→	5×11	5×11	5×11						
0.33						→	5×11	5×11	5×11						
0.47						→	5×11	5×11	5×11	5×11	6.3×11	6.3×11	6.3×11	6.3×11	6.3×11
1						→	5×11	5×11	5×11	5×11	6.3×11	6.3×11	6.3×11	8×12	8×12
2.2						→	5×11	5×11	5×11	6.3×12	6.3×12	6.3×12	8×12	8×12	10×12
3.3						→	5×11	5×11	5×11	6.3×12	6.3×12	8×12	10×12	10×12	10×16
4.7						→	5×11	5×11	5×11	6.3×12	8×12	8×12	10×15	10×16	10×20
10			→	5×11	5×11	5×11	5×11	5×11	6.3×11	8×12	10×12	10×15	10×20	10×20	13×25
22			→	5×11	5×11	5×11	5×11	6.3×11	8×12	10×16	10×16	10×20	13×20	13×25	16×26
33			→	5×11	5×11	5×11	6.3×11	8×12	8×14	10×20	10×20	13×20	13×25	16×26	16×31
47		→	5×11	5×11	5×11	6.3×11	6.3×11	8×12	10×16	13×20	13×20	13×25	16×26	16×31	18×35
100	5×11	5×11	5×11	6.3×11	6.3×12	8×12	8×12	10×12	10×20	16×26	16×26	16×31	18×41	22×32	
220	5×11	6.3×11	6.3×12	8×12	8×12	8×16	10×15	10×16	13×25	16×35	18×35	22×36			
330	6.3×11	6.3×12	8×12	8×14	10×12	10×15	10×16	10×20	16×26	20×35	22×36				
470	6.3×12	8×12	8×12	8×16	10×16	10×20	10×20	13×20	16×31	22×36	22×42				
1000	8×14	8×14	10×16	10×20	13×20	13×25	13×25	16×31	20×35						
2200	10×16	10×20	13×20	13×25	16×26	16×31	16×35	18×41	25×43						
3300	10×20	13×20	13×25	16×26	16×35	18×31	18×35	20×41							
4700	13×20	13×25	16×26	16×35	18×35	20×35	22×36	25×43							
6800	16×26	16×26	16×31	18×35	22×42										
10000	16×26	16×35	18×35	22×42	25×43										

PERMISSIBLE RIPPLE CURRENT

mA(rms) at 120Hz,85℃

WV / μF	6.3	10	16	25	35	40	50	63	100	160	200	250	350	400	450
0.1						→	10	10	12						
0.22						→	10	10	12						
0.33						→	10	10	12						
0.47						→	12	12	13	12	13	14	15	15	15
1						→	18	18	22	17	19	21	22	22	22
2.2						→	27	28	34	26	32	35	34	34	35
3.3						→	34	36	42	35	37	44	42	45	47
4.7						→	43	45	48	42	50	56	50	63	73
10			→	55	57	61	65	67	80	76	81	90	89	115	110
22			→	86	90	95	98	112	137	127	143	160	150	170	160
33			→	105	110	124	127	135	180	170	185	195	190	200	210
47		→	124	124	128	150	155	185	240	225	235	260	240	260	280
100	130	150	157	195	200	251	260	290	390	380	390	440	410	480	
220	195	248	255	325	370	390	455	470	690	675	740	810			
330	295	310	370	405	460	480	520	690	850	840	880				
470	320	410	440	510	580	700	710	920	1110	1060	1270				
1000	590	610	750	925	1110	1230	1290	1505	1635						
2200	846	1070	1360	1500	1540	1780	2000	2210	2450						
3300	1100	1440	1590	1670	2155	2260	2307	2660							
4700	1390	1735	1915	2225	2405	2730	2800	3010							
6800	1890	1990	2335	2590	3100										
10000	1970	2350	2620	3280	3860										