

PKC

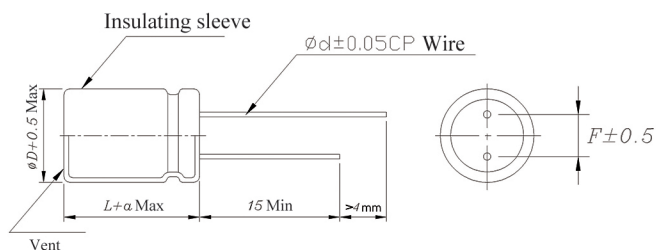
- ◆ 105°C 2000~3000Hours
- ◆ Full Voltage Range For Normal Chargers, General Purpose
- ◆ Anti-Thunder-Stroke, High Frequency, High Ripple Current, Low ESR
- ◆ RoHS Compliant



■ Specification

Items	Characteristics										
Operation Temperature Range	≤120V.DC -55℃ ~ +105℃ ； 160 ~ 500V.DC -40℃ ~ +105℃										
Rated Voltage	6.3 ~ 500V.DC										
Capacitance Tolerance	±20% (25±2℃ 120Hz)										
Leakage Current(μA)	6.3 ~ 120WV I≤0.01CV or 3μA whichever is greater C:rated capacitance(μF) V:rated voltage(V) 2 minutes reading										
	160 ~ 500WV I≤0.02CV+10(μA) C:rated capacitance(μF) V:rated voltage(V) 2 minutes reading										
Dissipation Factor (25±2℃ 120Hz)	Rated Voltage(V)	6.3	10	16	25	35	50	63	80	100	
	tgδ	0.26	0.19	0.16	0.14	0.12	0.10	0.09	0.09	0.09	
	Rated Voltage(V)	120	160	200	250	350	400	450	500		
	tgδ	0.12	0.15	0.15	0.15	0.20	0.20	0.20	0.24		
For those with rated capacitance larger than 1000μF, when the rated capacitance is increased by 1000μF,then tgδ will be increased by 0.02											
Temperature Characteristics (120Hz)	Rated Voltage(V)		6.3	10	16	25	35	50	63	80	100
	Z(-40℃)/Z(20℃)		12	10	8	5	4	3	3	3	3
	Rated Voltage(V)		120	160	200	250	350	400	450	500	
	Z(-40℃)/Z(20℃)		5	7	7	7	9	9	9	10	
Endurance	After standard test time with applying the rated voltage with the rated ripple current in the oven at 105℃, the following specification shall be satisfied after 16 hours at 25±2℃.										
	Capacitance change			within±20% of the intial value							
	Dissipation Factor			Not more than 200% of the specified value							
	Leakage current			Not more than the specified value							
	Load life(hours)			≤Φ6.3					2000hrs		
				≥Φ8					3000hrs		
Shelf Life At High Temperature	After leaving capacitors under no load at 105℃ for 1000 hours, the following specification shall be satisfied at 25±2℃.										
	Capacitance change			within±20% of the initial value							
	Dissipation Factor			Not more than 200% of the specified value							
	Leakage current			Not more than 200% of the specified value							

■ Standard Size (Unit: mm)



D	5	6.3	8	10	12.5	16	18
d	0.5	0.5	0.6	0.6	0.6	0.8	0.8
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5
a	2.0						

Remark: capacitors with diameter more than 6.3 have safety vent

■ Ripple Current Correction Factor

① Frequency Correction Factor

Frequency(Hz)		50	120	1K	10K ~ 50K	100K
Coefficient	0.47 ~ 8.2	0.26	0.40	0.70	0.90	1.00
	10 ~ 82	0.41	0.55	0.83	0.94	1.00
	100 ~ 1800	0.54	0.67	0.87	0.96	1.00
	2200 and above	0.78	0.92	0.97	0.99	1.00

② Temperature Correction Factor

Environment Temperature(°C)	50°C	70°C	85°C	105°C
Correction Factor	2.1	1.8	1.4	1.0

■ Standard Size

Voltage (V)	6.3			10			16			25		
Items Capacitance (μF)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2℃)	Ripple Current (mA/r.m.s /105℃100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2℃)	Ripple Current (mA/r.m.s /105℃100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2℃)	Ripple Current (mA/r.m.s /105℃100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2℃)	Ripple Current (mA/r.m.s /105℃100KHz)
10	5×9	1.10	52	5×9	1.10	52	5×9	1.10	67	5×9	1.10	86
15	5×9	1.10	71	5×9	1.10	71	5×9	1.10	86	5×9	1.10	105
22	5×9	0.42	86	5×9	0.42	86	5×9	0.42	105	5×9	1.10	114
33	5×9	0.42	100	5×9	0.42	100	5×9	0.42	114	5×9	0.42	143
39	5×9	0.42	105	5×9	0.42	128	5×9	0.42	143	5×9	0.42	171
47	5×9	0.38	105	5×9	0.38	135	5×9	0.38	152	5×9	0.38	200
56	5×9	0.38	135	5×9	0.38	143	5×9	0.38	162	5×9	0.38	276
68	5×9	0.38	135	5×9	0.38	152	5×9	0.38	171	5×11	0.25	295
82	5×9	0.38	135	5×9	0.38	162	5×9	0.38	200	5×11	0.25	295
100	5×9	0.38	142	5×9	0.38	171	5×9	0.38	276	5×11	0.25	295
120	5×9	0.28	155	5×9	0.28	200	5×11	0.25	295	6.3×9	0.25	371
150	5×9	0.28	175	5×9	0.28	276	6.3×9	0.25	371	6.3×12	0.17	384
150										8×9	0.17	419
180	5×9	0.28	195	5×11	0.28	276	6.3×9	0.25	371	6.3×12	0.17	384
180										8×9	0.17	419
220	5×9	0.28	210	5×11	0.25	295	6.3×12	0.17	384	6.3×12	0.17	384
220							8×9	0.17	419	8×9	0.17	419
270	5×11	0.25	240	6.3×9	0.25	371	6.3×12	0.17	384	8×12	0.14	789
270	6.3×9	0.25	265				8×9	0.17	419	10×9	0.14	727
330	5×11	0.25	240	6.3×12	0.17	384	6.3×12	0.17	618	8×12	0.14	789
330	6.3×9	0.25	285	8×9	0.17	419	8×9	0.17	727	10×9	0.14	727
390	6.3×9	0.25	285	6.3×12	0.17	618	8×12	0.10	789	8×14	0.12	1093
390				8×9	0.17	727	10×9	0.10	727	10×12	0.10	1093
470	6.3×9	0.25	345	6.3×12	0.17	618	8×12	0.10	789	8×16	0.10	1112
470	6.3×12	0.17	375	8×9	0.17	727	10×9	0.10	727	10×12	0.10	1093
560	6.3×12	0.17	375	8×12	0.10	789	8×12	0.10	789	8×20	0.0505	1283
560	8×9	0.17	385	10×9	0.10	727	10×9	0.10	727	10×12	0.10	1093
680							8×12	0.10	789			
680	6.3×12	0.17	375	8×12	0.10	789	8×16	0.10	1069	8×20	0.0505	1283
680	8×9	0.17	415	10×9	0.10	727	10×12	0.13	1093	10×16	0.0505	1473
820	6.3×12	0.17	375	8×12	0.10	789	8×20	0.0505	1283	10×16	0.0505	1473
820	8×9	0.17	415				10×14	0.0805	1283	12.5×14	0.0600	1718
1000	8×12	0.10	570	8×12	0.10	828	8×20	0.0505	1283	10×20	0.0505	1718
1000	10×9	0.10	570	8×16	0.10	1069	10×14	0.0805	1283	12.5×14	0.0600	1718
1000				10×12	0.10	1093	8×12	0.10	830			
1200	8×12	0.10	570	8×16	0.10	1069	10×16	0.0505	1473	10×23	0.0500	1948
1200	10×9	0.10	570	10×14	0.0805	1283	12.5×14	0.0600	1718	12.5×16	0.0500	1815
1500	8×16	0.10	600	8×20	0.0505	1283	10×20	0.0420	1511	12.5×20	0.0300	2138
1500	10×12	0.10	600	10×14	0.0805	1283	12.5×14	0.0600	1718			

■ Standard Size

Voltage (V)	6.3			10			16			25		
Items Capacitance (μF)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2℃)	Ripple Current (mA/r.m.s /105℃100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2℃)	Ripple Current (mA/r.m.s /105℃100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2℃)	Ripple Current (mA/r.m.s /105℃100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2℃)	Ripple Current (mA/r.m.s /105℃100KHz)
1800	8×16	0.10	645	10×20	0.0420	1511	10×20	0.0420	1511	12.5×20	0.0300	2138
1800	10×12	0.10	645	12.5×14	0.0600	1718	12.5×16	0.0500	1815			
2200	8×20	0.0505	770	10×20	0.0420	1511	10×23	0.0300	1948	12.5×25	0.0270	2489
2200	10×12	0.10	770	12.5×14	0.0600	1718	12.5×20	0.0300	2138			
2700	8×20	0.0505	825	10×20	0.042	1511	12.5×20	0.0300	2138	12.5×30	0.0250	2955
2700	10×16	0.0505	825	12.5×16	0.0500	1815						
3300	10×16	0.0505	910	12.5×20	0.0300	2138	12.5×25	0.0268	2489	12.5×35	0.0250	3054
3300	12.5×14	0.0505	910							16×25	0.0250	3107
3900	10×20	0.0420	1050	12.5×20	0.0300	2138	12.5×30	0.0255	2955	16×31.5	0.0235	3325
3900	12.5×16	0.0500	1050				16×20	0.0255	2779	18×25	0.0235	3135
4700	10×25	0.0500	1200	12.5×25	0.0270	2489	12.5×30	0.0255	2955	18×25	0.0235	3420
4700	12.5×16	0.0500	1200				16×25	0.0246	3107			
5600	12.5×20	0.0390	1350	12.5×25	0.0270	2489	12.5×35	0.0246	3054	18×31.5	0.0210	3430
5600	16×16	0.0390	1350				16×25	0.0246	3107			
6800	12.5×25	0.0350	1458	12.5×30	0.0255	2955	16×31.5	0.0235	3325	18×35.5	0.0160	3496
6800	16×16	0.0350	1458	16×25	0.0255	3107	18×25	0.0235	3420			
8200	12.5×30	0.0300	1650	12.5×40	0.0223	3325	16×35.5	0.0210	3430	18×40	0.0130	3548
8200	16×20	0.0300	1650	16×25	0.0246	3107	18×31.5	0.0210	3430			
10000	12.5×35	0.0246	1800	16×31.5	0.0223	3325	18×35.5	0.0160	3496			
10000	16×25	0.0246	1800	18×25	0.0235	3420						

Voltage (V)	35			50			63			80		
Items Capacitance (μF)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2℃)	Ripple Current (mA/r.m.s /105℃100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2℃)	Ripple Current (mA/r.m.s /105℃100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2℃)	Ripple Current (mA/r.m.s /105℃100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2℃)	Ripple Current (mA/r.m.s /105℃100KHz)
0.47				5×9	5.50	20	5×9	3.00	21	5×9	3.00	22
1.0				5×9	5.50	29	5×9	3.00	31	5×9	3.00	32
1.8				5×9	5.50	34	5×9	3.00	38	5×9	3.00	40
2.2				5×9	2.60	36	5×9	3.00	42	5×9	3.00	44
2.7				5×9	2.60	44	5×9	3.00	48	5×9	1.50	51
3.3				5×9	2.60	50	5×9	3.00	55	5×9	1.50	58
3.9				5×9	2.60	67	5×9	3.00	73	5×9	1.50	76
4.7				5×11	2.38	84	5×9	3.00	92	5×9	1.50	95
4.7				5×9	2.60	84						
5.6				5×9	1.60	86	5×9	1.50	94	5×9	1.50	100

■ Standard Size

Voltage (V)	35			50			63			80		
Items Capacitance (μF)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2℃)	Ripple Current (mA/r.m.s /105℃100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2℃)	Ripple Current (mA/r.m.s /105℃100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2℃)	Ripple Current (mA/r.m.s /105℃100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2℃)	Ripple Current (mA/r.m.s /105℃100KHz)
6.8				5×9	1.60	88	5×9	1.50	97	5×9	1.50	105
8.2				5×9	1.60	92	5×9	1.50	103	5×9	1.50	119
10	5×9	1.60	95	5×9	1.60	95	5×9	1.50	105	5×9	1.50	128
12				5×9	1.60	105	5×9	1.50	114	5×11	1.50	143
15	5×9	1.10	114	5×9	1.60	114	5×9	1.50	138	5×11	1.50	143
18				5×9	1.40	124	5×9	1.00	147	6.3×9	1.00	205
22	5×9	1.10	152	5×9	1.40	138	5×11	1.00	152	6.3×9	1.00	205
27				5×11	0.38	204	6.3×9	0.60	214	6.3×12	0.64	228
27										8×9	0.64	247
33	5×9	0.42	204	5×11	0.38	204	6.3×9	0.60	214	6.3×12	0.64	228
33										8×9	0.64	247
39	5×9	0.42	204	6.3×9	0.38	299	6.3×9	0.40	238	8×9	0.64	247
47	5×11	0.38	295	6.3×9	0.36	333	6.3×12	0.40	238	8×12	0.41	390
47							8×9	0.50	247	10×9	0.41	428
56	5×11	0.38	295	6.3×12	0.36	333	8×9	0.50	333	8×12	0.41	390
56				8×9	0.25	428				10×9	0.41	428
68	6.3×9	0.36	371	6.3×12	0.36	333	8×12	0.25	456	8×12	0.41	390
68				8×9	0.25	428	10×9	0.25	466	10×9	0.41	428
82	6.3×9	0.36	371	8×9	0.25	556	8×12	0.25	456	8×16	0.29	485
82							10×9	0.25	466	10×12	0.29	537
100	6.3×12	0.17	384	8×9	0.25	556	8×14	0.25	523	8×16	0.29	485
100	8×9	0.17	419	8×12	0.25	599	10×9	0.25	475	10×12	0.26	537
120	8×9	0.17	419	8×12	0.16	599	8×16	0.19	589	8×20	0.22	627
120				10×9	0.16	618	10×12	0.18	599	10×14	0.20	627
150	8×12	0.13	789	8×14	0.12	722	8×20	0.14	736	10×16	0.20	675
150	10×9	0.13	727	10×9	0.12	618	10×14	0.14	770	12.5×14	0.18	791
180	8×12	0.13	789	8×16	0.12	817	8×20	0.14	736	10×20	0.14	903
180	10×9	0.13	727	10×12	0.12	831	10×16	0.14	855	12.5×14	0.18	791
220	8×12	0.13	789	8×16	0.12	817	10×16	0.14	855	10×20	0.14	903
220	10×9	0.13	727	10×12	0.12	831				12.5×16	0.18	969
270	8×16	0.10	1093	8×20	0.0768	1026	10×20	0.0877	1026	12.5×20	0.0959	1226
270	10×12	0.10	1093	10×16	0.0768	1188	12.5×14	0.0920	971			
330	8×16	0.10	1112	10×16	0.0768	1188	10×20	0.0877	1026	12.5×20	0.0959	1226
330	10×12	0.10	1093	12.5×14	0.0810	971	12.5×16	0.0920	1026			
390	8×20	0.0505	1283	10×20	0.0695	1359	12.5×20	0.0673	1344	12.5×25	0.0673	1387
390	10×16	0.0505	1473	12.5×14	0.0810	971						
470	8×20	0.0505	1283	10×20	0.0695	1359	12.5×20	0.0673	1344	12.5×25	0.0673	1387
470	10×16	0.0505	1473	12.5×16	0.0675	1026				16×20	0.0653	1482
560	10×16	0.0420	1473	12.5×16	0.0675	1518	12.5×25	0.0479	1710	12.5×30	0.0571	1672

■ Standard Size

Voltage (V)	35			50			63			80		
Items Capacitance (μF)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2°C)	Ripple Current (mA/r.m.s /105°C100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2°C)	Ripple Current (mA/r.m.s /105°C100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2°C)	Ripple Current (mA/r.m.s /105°C100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2°C)	Ripple Current (mA/r.m.s /105°C100KHz)
560	12.5×14	0.0500	1718							16×25	0.0480	1891
680	10×20	0.0420	1511	12.5×20	0.0600	1758	12.5×30	0.0410	2252	12.5×35	0.0520	1834
680	12.5×16	0.0500	1815				16×20	0.0482	1796	16×25	0.0480	1891
820	10×20	0.0420	1511	12.5×25	0.0625	2062	12.5×35	0.0367	2242	16×31.5	0.0368	2052
820	12.5×16	0.0500	1815				16×25	0.0385	2337	18×25	0.0427	1948
1000	12.5×20	0.0300	2138	12.5×30	0.0580	2451	16×25	0.0385	2337	16×35.5	0.0326	2223
1000				16×20	0.0580	2337	18×20	0.0426	2423	18×31.5	0.0346	2119
1200	12.5×20	0.0300	2138	12.5×30	0.0580	2451	16×31.5	0.0350	2560	16×40	0.0305	2451
1200				16×25	0.0455	2575	18×25	0.0350	2394	18×31.5	0.0246	2822
1500	12.5×25	0.0270	2489	12.5×40	0.0455	2608	16×31.5	0.0350	2560	18×35.5	0.0246	3002
1500	16×20	0.0268	2779	16×25	0.0455	2575	18×31.5	0.0350	2822			
1800	12.5×35	0.0260	3054	16×31.5	0.0347	2812	16×40	0.0350	3054	18×40	0.0204	3002
1800	16×20	0.0268	3107	18×25	0.0347	2622	18×31.5	0.0350	2822			
2200	12.5×35	0.0260	3054	18×31.5	0.0286	2822	18×35.5	0.0350	3054			
2200	16×25	0.0246	3107									
2700	16×31.5	0.0240	3325	18×35.5	0.0224	3054	18×40	0.0350	3145			
2700	18×25	0.0270	3420									
3300	16×31.5	0.0235	3325	18×40	0.0204	3240						
3300	18×25	0.0235	3420									
3900	16×35.5	0.0210	3430									
3900	18×25	0.0235	3420									
4700	16×40	0.0160	3496									
4700	18×35.5	0.0160	3496									

Voltage (V)	100			120			160			200		
Items Capacitance (μF)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2°C)	Ripple Current (mA/r.m.s /105°C100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2°C)	Ripple Current (mA/r.m.s /105°C100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2°C)	Ripple Current (mA/r.m.s /105°C100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2°C)	Ripple Current (mA/r.m.s /105°C100KHz)
0.47	5×9	5.00	22	5×9	6.60	22						
1.0	5×9	3.00	32	5×9	6.60	32	5×11	40.00	48	5×11	40.00	48
1.2							5×11	40.00	52	5×11	40.00	52
1.5							5×11	40.00	57	5×11	40.00	57
1.8	5×9	3.00	40	5×9	6.60	40	5×11	40.00	62	5×11	40.00	62
2.2	5×9	3.00	44	5×9	1.80	44	5×11	40.00	71	5×11	40.00	71
2.7	5×9	3.00	51	5×9	1.80	51	5×11	40.00	76	5×11	40.00	76

■ Standard Size

Voltage (V)	100			120			160			200		
Items Capacitance (μ F)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2°C)	Ripple Current (mA/r.m.s /105°C100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2°C)	Ripple Current (mA/r.m.s /105°C100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2°C)	Ripple Current (mA/r.m.s /105°C100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2°C)	Ripple Current (mA/r.m.s /105°C100KHz)
3.3	5×9	1.50	58	5×9	1.80	58	5×11	40.00	86	6.3×9	30.00	90
3.9	5×9	1.50	76	5×9	1.80	76	5×11	40.00	86	6.3×9	30.00	99
4.7	5×9	1.50	95	5×9	1.80	95	6.3×9	25.00	99	6.3×12	15.00	109
4.7										8×9	15.00	128
5.6	5×11	1.50	100	5×11	1.80	100	6.3×9	25.00	99	6.3×12	15.00	109
5.6										8×9	15.00	128
6.8	5×11	1.50	105	5×11	1.60	105	6.3×9	25.00	116	8×9	15.00	128
8.2	5×11	1.50	119	5×11	1.60	119	6.3×12	22.00	119	8×9	15.00	128
8.2							8×9	22.00	124			
10	5×11	1.50	128	6.3×9	1.21	128	8×9	22.00	124	8×12	15.00	143
10										10×9	15.00	143
12	6.3×9	1.00	205	6.3×9	1.21	155	8×12	20.00	128	8×14	12.00	209
15	6.3×9	1.00	205	6.3×11	0.83	185	8×12	16.00	128	8×16	8.92	238
15							10×9	16.00	133	10×12	8.92	247
18	6.3×12	0.64	228	8×9	0.83	204	8×12	16.00	128	8×20	6.80	299
18	8×9	0.64	205				10×9	16.00	133	10×14	6.80	276
22	6.3×12	0.64	228	8×9	0.83	204	8×16	8.92	238	8×20	6.80	299
22	8×9	0.64	205				10×12	8.92	238	10×14	6.80	276
27	8×9	0.64	351	8×11.5	0.64	351						
33	8×12	0.41	390	8×11.5	0.50	351	8×20	6.80	299	10×20	6.60	546
33	10×9	0.41	351	10×9	0.50	351	10×12	6.80	428	12.5×14	6.60	637
39	8×12	0.41	390	8×14	0.41	390						
39	10×9	0.41	351	10×12.5	0.41	390						
47	8×16	0.29	485	8×16	0.32	428	10×16	6.60	551	12.5×20	4.65	827
47	10×12	0.29	485	10×12.5	0.32	428	12.5×14	6.60	618			
56	8×16	0.29	485	8×20	0.29	485	10×20	6.60	570	12.5×20	4.65	827
56	10×12	0.26	537	10×14	0.29	537	12.5×14	6.60	637			
68	8×20	0.22	627	8×23	0.22	627	10×23	4.65	637	12.5×25	4.31	1093
68	10×14	0.22	627	10×16	0.22	627	12.5×16	4.65	732	16×20	4.31	1140
82	8×20	0.22	627	10×16	0.22	627	10×23	4.65	732	12.5×25	4.31	1093
82	10×16	0.20	675	12.5×14	0.20	675	12.5×20	4.65	988	16×20	4.31	1140
100	10×16	0.20	675	10×20	0.20	675	12.5×20	4.65	988	12.5×25	4.31	1093
100	12.5×14	0.18	791	12.5×16	0.18	791				16×20	4.31	1140
120	10×20	0.14	903	10×23	0.18	808	12.5×25	4.09	1197	12.5×30	3.05	1368
120	12.5×14	0.18	791	12.5×16	0.18	791	16×20	4.09	1197	16×25	3.05	1587
150	10×20	0.15	903	12.5×20	0.15	903	12.5×30	4.09	1520	16×25	3.05	1587
150	12.5×16	0.15	836				16×25	3.92	1587			
180	12.5×20	0.0959	1226	12.5×25	0.11	1226	12.5×35	3.01	1634	16×35.5	2.10	1924
180							16×25	3.92	1587	18×25	2.71	1924

PKC

■ Standard Size

Voltage (V)	100			120			160			200		
Items Capacitance (μF)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2℃)	Ripple Current (mA/r.m.s /105℃100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2℃)	Ripple Current (mA/r.m.s /105℃100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2℃)	Ripple Current (mA/r.m.s /105℃100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2℃)	Ripple Current (mA/r.m.s /105℃100KHz)
220	12.5×20	0.0959	1226	16×20	0.11	1226	16×31.5	2.71	2052	18×31.5	2.10	2090
220							18×25	2.71	1986			
270	12.5×25	0.0673	1387	12.5×30	0.0859	1387						
270				16×20	0.0859	1387						
330	12.5×30	0.0571	1672	16×25	0.0671	1672	18×31.5	1.25	2280			
330	16×20	0.0653	1482	18×20	0.0671	1482						
390	12.5×35	0.0520	1834	16×31.5	0.0520	1834	18×35.5	1.15	2708			
390	16×25	0.0480	1891	18×25	0.0520	1891						
470	16×25	0.0480	1891	16×31.5	0.0480	1891						
470	18×20	0.0465	1891	18×25	0.0480	1891						
560	16×31.5	0.0368	2052	16×35.5	0.0368	2052						
560	18×25	0.0427	1948	18×31.5	0.0368	1948						
680	16×35.5	0.0326	2223	16×35.5	0.0326	2223						
680	18×31.5	0.0346	2119	18×31.5	0.0346	2119						
820	16×40	0.0305	2451	18×35.5	0.0326	2223						
820	18×35.5	0.0305	3002									
1000	18×40	0.0305	3002									

Voltage (V)	250			350			400			450		
Items Capacitance (μF)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2℃)	Ripple Current (mA/r.m.s /105℃100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2℃)	Ripple Current (mA/r.m.s /105℃100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2℃)	Ripple Current (mA/r.m.s /105℃100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2℃)	Ripple Current (mA/r.m.s /105℃100KHz)
1.0	6.3×9	30.00	90	6.3×9	38.00	65	6.3×9	58.00	65	6.3×9	58.00	65
1.2	6.3×9	30.00	90	6.3×9	38.00	90	6.3×9	38.00	73	6.3×9	55.00	73
1.5	6.3×9	30.00	90	6.3×9	38.00	90	6.3×9	38.00	73	6.3×9	55.00	73
1.8	6.3×9	30.00	90	6.3×9	38.00	99	6.3×9	33.00	86	6.3×12	55.00	86
1.8										8×9	45.00	86
2.2	6.3×9	30.00	99	6.3×9	33.00	114	8×12	27.00	105	8×12	30.00	105
2.2							6.3×9	33.00	86	8×9	45.00	86
2.7	6.3×9	30.00	107	6.3×12	33.00	114	6.3×12	33.00	105	8×9	45.00	86
2.7				8×9	27.00	124	8×9	27.00	111			
3.3	6.3×9	30.00	107	6.3×12	33.00	114	6.3×12	33.00	105	8×12	25.50	124
3.3				8×9	27.00	124	8×9	27.00	111	10×9	25.50	111
3.3							8×12	27.00	114			
3.9	6.3×9	15.00	107	6.3×12	33.00	114	6.3×12	33.00	105	8×12	25.50	124

PKC

■ Standard Size

Voltage (V)	250			350			400			450		
Items Capacitance (μF)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2℃)	Ripple Current (mA/r.m.s /105℃100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2℃)	Ripple Current (mA/r.m.s /105℃100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2℃)	Ripple Current (mA/r.m.s /105℃100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2℃)	Ripple Current (mA/r.m.s /105℃100KHz)
3.9				8×9	27.00	124	8×9	27.00	111	10×9	25.50	111
4.7	6.3×12	15.00	119	6.3×12	33.00	114	6.3×12	33.00	114	8×12	25.50	124
4.7	8×9	15.00	128	8×9	27.00	124	8×12	27.00	128	10×12	13.50	142
4.7										10×9	18.00	119
5.6	8×9	15.00	128	8×12	21.00	128	8×14	18.00	171	8×16	13.50	128
5.6				10×9	21.00	143	10×9	18.00	152	10×12	13.50	171
6.8	8×9	15.00	128	8×12	21.00	128	8×12	18.00	134			
6.8				10×9	21.00	143	8×16	13.50	171	8×20	9.50	190
6.8							10×12	13.50	171	10×12	13.50	171
8.2	8×12	15.00	143	8×16	13.50	171	8×10	18.00	128			
8.2	10×9	15.00	143	10×12	13.50	181	8×12	16.00	140			
8.2							8×16	13.50	171	8×20	9.50	190
8.2							10×12	13.50	181	10×14	12.00	195
10	8×12	15.00	143	8×16	13.50	171	8×12	9.50	171			
10	10×9	15.00	143	10×12	13.50	209	8×20	9.50	238	10×16	9.50	234
10							10×12	9.50	209			
10							10×14	9.50	238	12.5×14	9.20	295
12	8×14	12.00	209	10×14	11.00	228	10×16	9.00	260	10×20	8.15	275
15	8×16	8.92	238	10×16	9.50	266	10×14	8.50	238			
15	10×12	8.92	238	12.5×14	8.15	504	10×20	8.15	295	10×20	8.15	296
15							12.5×14	8.15	295	12.5×16	8.15	314
18	8×20	6.80	299	10×20	8.15	523	10×20	8.15	295	12.5×20	8.15	390
18	10×14	6.80	276	12.5×14	8.15	504	12.5×16	8.15	314			
22	8×20	6.80	299	12.5×16	8.15	570	12.5×20	8.15	475	12.5×20	8.15	390
22	10×14	6.80	276									
33	10×20	6.60	546	12.5×20	8.15	822	12.5×20	8.15	523			
33	12.5×14	6.00	618				12.5×25	5.14	637	12.5×25	6.50	618
33							16×20	4.54	637	16×20	4.14	618
47	12.5×20	4.65	827	12.5×25	4.14	912	12.5×30	4.14	983	12.5×35	3.50	903
47				16×20	4.14	950	16×20	4.54	702			
47							16×25	4.14	983	16×25	3.50	903
56	12.5×20	4.65	827	12.5×25	4.14	912	16×25	4.14	983	16×31.5	3.50	1045
56				16×20	4.14	950	18×20	4.14	1216	18×25	3.50	1007
68	12.5×25	4.31	1093	16×25	4.05	1093	16×31.5	3.50	1249	16×35.5	3.05	1178
68	16×20	4.31	1140	18×20	3.50	1264	18×25	3.50	1264	18×31.5	3.05	1226
82	12.5×25	4.31	1093	16×31.5	3.50	1330	16×35.5	3.05	1498	16×40	2.95	1435
82	16×20	4.31	1140	18×25	3.50	1520	18×31.5	3.05	1498	18×31.5	3.05	1226
100	12.5×30	3.35	1197	16×31.5	3.50	1910	18×31.5	3.05	1798	18×35.5	2.75	1416
100	16×25	3.05	1283	18×25	3.50	1910						

PKC

■ Standard Size

Voltage (V)	250			350			400			450		
Items Capacitance (μF)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2°C)	Ripple Current (mA/r.m.s /105°C100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2°C)	Ripple Current (mA/r.m.s /105°C100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2°C)	Ripple Current (mA/r.m.s /105°C100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2°C)	Ripple Current (mA/r.m.s /105°C100KHz)
120	16×25	3.05	1283	16×35.5	3.05	1976	18×35.5	2.05	2088	18×40	2.05	1653
120				18×31.5	3.05	1976						
150	16×31.5	2.71	1691	18×35.5	2.05	2328	18×40	2.00	2320	18×45	2.00	1853
150	18×25	2.71	1691									
180	16×35.5	2.10	1924									
180	18×31.5	2.10	1924									
220	18×35.5	1.04	2247									

Voltage (V)	500			Voltage (V)	500			Voltage (V)	500		
Items Capacitance (μF)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2°C)	Ripple Current (mA/r.m.s /105°C100KHz)	Items Capacitance (μF)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2°C)	Ripple Current (mA/r.m.s /105°C100KHz)	Items Capacitance (μF)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2°C)	Ripple Current (mA/r.m.s /105°C100KHz)
1.0	6.3×12	52.00	40	5.6	10×14	18.00	110	22	12.5×25	7.00	400
1.2	6.3×12	52.00	40	6.8	10×12	22.50	102	33	12.5×30	6.50	485
1.5	6.3×12	52.00	40	6.8	10×14	18.00	110	47	12.5×35	5.50	600
1.8	8×9	48.00	68	8.2	10×12	22.50	110	47	16×25	3.50	600
2.2	8×12	45.00	72	8.2	10×16	15.00	145	56	16×31.5	2.50	615
2.7	8×12	45.00	76	10	10×20	11.00	210	68	16×35.5	2.30	720
3.3	8×12	45.00	76	10	12.5×14	10.00	220	68	18×31.5	2.30	720
3.9	8×14	35.00	88	12	12.5×16	9.50	228	82	18×35.5	1.80	940
4.7	8×16	29.00	95	15	12.5×16	9.00	250	100	18×40	1.50	969
4.7	10×12	22.50	95	18	12.5×20	8.00	275				