

LKF

- ◆ 105°C 7000~10000 Hours
- ◆ Standard Product, High Ripple Current, High Frequency, Low ESR
- ◆ RoHS Compliant
- ◆ AEC-Q200 Qualified, Please Consult Us For More Details



■ Specification

Items	Characteristics								
Operation Temperature Range	≤120V.DC -55°C ~ +105°C ; 160 ~ 500V.DC -40°C ~ +105°C								
Rated Voltage	10 ~ 500V.DC								
Capacitance Tolerance	±20% (25±2°C 120Hz)								
Leakage Current(μA)	10 ~ 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°C 120Hz)	Rated Voltage(V)	10	16	25	35	50	63	80	100
	tgδ	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	0.09	0.09	0.08	0.08	0.10	0.10	0.12	0.20
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)	10	16	25	35	50	63	80	100
	Z(-40°C)/Z(20°C)	6	4	3	3	3	3	3	3
	Rated Voltage(V)	120	160	200	250	350	400	450	500
	Z(-40°C)/Z(20°C)	5	5	5	5	7	7	7	8
Endurance	After standard test time with applying the rated voltage with the rated ripple current in the oven at 105°C, the following specification shall be satisfied after 16 hours at 25±2°C.								
	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)	Φ5						7000hrs	
	Φ6.3						9000hrs		
	≥Φ8						10000hrs		
Shelf Life At High Temperature	After leaving capacitors under no load at 105°C for 1000 hours, the following specification shall be satisfied at 25±2°C.								
	Capacitance change	within±20% of the intial value							
	Dissipation Factor	Not more than 200% of the specified value							
	Leakage current	Not more than 200% of the specified value							

■ Standard Size

Voltage (V)	10			16			25			35			
	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)
10		5×9	1.10	56	5×9	1.10	71	5×9	1.10	91	5×9	1.40	101
15		5×9	1.10	76	5×9	1.10	91	5×9	1.10	111	5×9	1.10	121
22		5×9	0.40	91	5×9	0.40	111	5×9	1.10	121	5×9	1.10	160
33		5×9	0.40	106	5×9	0.40	121	5×9	0.40	151	5×9	0.40	215
39		5×9	0.26	136	5×9	0.40	151	5×9	0.40	181	5×11	0.40	345
47		5×9	0.26	143	5×9	0.26	161	5×9	0.26	211	5×11	0.37	345
56		5×9	0.26	151	5×9	0.26	171	5×9	0.26	310	6.3×9	0.34	486
68		5×9	0.26	161	5×9	0.26	181	5×11	0.24	345	6.3×11	0.260	540
68											8×9	0.260	550
82		5×9	0.26	171	5×9	0.26	211	6.3×9	0.34	486	6.3×11	0.250	540
82											8×9	0.250	550
100		5×9	0.26	181	5×11	0.24	345	6.3×9	0.34	486	6.3×11	0.250	540
100											8×9	0.250	550
120		5×9	0.26	211	5×11	0.24	345	6.3×11	0.10	540	8×9	0.250	550
120								8×9	0.10	550			
150		5×11	0.24	345	6.3×9	0.34	486	6.3×11	0.10	540	8×11.5	0.1980	945
150								8×9	0.10	550	10×9	0.1980	950
180		5×11	0.24	345	6.3×9	0.34	486	8×9	0.10	550	8×11.5	0.1980	945
180											10×9	0.1980	950
220		6.3×9	0.34	486	6.3×11	0.21	540	8×11.5	0.0980	945	8×11.5	0.1980	945
220					8×9	0.21	550	10×9	0.0980	950			
270		6.3×9	0.34	486	8×9	0.21	550	8×11.5	0.0980	945	8×16	0.0950	1250
270								10×9	0.0980	950	10×12.5	0.0900	1330
330		6.3×11	0.21	540	8×9	0.2100	550	8×11.5	0.0980	945	10×12.5	0.0900	1330
330		8×9	0.15	550									
390		8×9	0.15	550	8×11.5	0.0980	945	8×16	0.0900	1250	8×20	0.0719	1500
390					10×9	0.0980	950	10×12.5	0.0900	1330	10×16	0.0719	1850
470		8×9	0.15	550	8×11.5	0.0680	945	10×12.5	0.0900	1330	10×16	0.0540	1850
470					10×9	0.0980	950				12.5×14	0.0540	1900
560		8×11.5	0.0980	945	8×16	0.0900	1250	8×20	0.0400	1500	10×20	0.0420	1960
560		10×9	0.0980	950	10×9	0.0980	950	10×14	0.0400	1760	12.5×16	0.0420	2120
680		8×11.5	0.0980	945	8×16	0.0900	1250	10×16	0.0400	1850	10×23	0.0280	2250
680		10×9	0.0980	950	10×12.5	0.0900	1330				12.5×20	0.0280	2480
820		8×16	0.0900	1250	8×20	0.0619	1500	10×20	0.0320	1960	12.5×20	0.0280	2480
820		10×12.5	0.0900	1330	10×14	0.0600	1760	12.5×16	0.0320	2120			
1000		8×16	0.0900	1250	8×20	0.0619	1500	10×20	0.0320	1960	12.5×20	0.0280	2480
1000		10×12.5	0.0900	1330	10×16	0.0400	1850	12.5×16	0.0320	2120			
1200		8×20	0.0619	1500	10×16	0.0400	1850	12.5×20	0.0280	2480	12.5×25	0.0280	2900
1200		10×14	0.0600	1760									

Standard Size

Voltage (V)	10			16			25			35		
	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)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2°C) Ripple Current (mA/r.m.s /105°C100KHz)	Size D×L(mm)
1500	8×20	0.0619	1500	10×20	0.0320	1960	12.5×20	0.0280	2480	12.5×30	0.0243	3450
1500	10×16	0.0400	1850	12.5×16	0.0420	2120				16×20	0.0243	3250
1800	10×20	0.0320	1960	10×20	0.0320	1960	12.5×25	0.0280	2900	12.5×35	0.0230	3570
1800	12.5×16	0.0420	2120	12.5×16	0.0420	2120				16×25	0.0230	3630
2200	10×20	0.0320	1960	12.5×20	0.0280	2480	12.5×25	0.0230	2900	16×25	0.0230	3630
2200	12.5×16	0.0420	2120				16×20	0.0230	3250			
2700	10×23	0.0280	2250	12.5×20	0.0280	2480	12.5×35	0.0132	3570	16×35.5	0.0132	4010
2700	12.5×20	0.0280	2480				16×25	0.0143	3630	18×31.5	0.0132	4010
3300	12.5×20	0.0280	2480	12.5×25	0.0280	2900	12.5×40	0.0121	3890	16×40	0.0120	4080
3300							16×25	0.0143	3630	18×35.5	0.0120	4080
3900	12.5×25	0.0280	2900	12.5×30	0.0143	3450	16×31.5	0.0121	3890	18×35.5	0.0100	4080
3900				16×20	0.0230	3250	18×25	0.0132	3650			
4700	12.5×30	0.0143	3450	12.5×30	0.0143	3450	16×31.5	0.0121	3890			
4700	16×20	0.0230	3250	16×25	0.0143	3630	18×25	0.0110	4010			

Voltage (V)	50			63			80			100		
	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)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2°C) Ripple Current (mA/r.m.s /105°C100KHz)	Size D×L(mm)
0.47	5×9	5.50	21	5×9	5.00	23	5×9	6.05	24	5×9	6.05	24
1.0	5×9	5.50	31	5×9	5.00	35	5×9	6.05	37	5×9	6.05	37
1.2				5×9	5.00	35	5×9	6.05	37	5×9	6.05	37
1.5				5×9	5.00	41	5×9	6.05	43	5×9	6.05	43
1.8	5×9	5.50	32	5×9	5.00	41	5×9	6.05	43	5×9	6.05	43
2.2	5×9	1.50	39	5×9	1.50	45	5×9	1.50	47	5×9	1.60	47
2.7				5×9	1.50	52	5×9	1.50	55	5×9	1.60	55
3.3	5×9	1.50	54	5×9	1.50	59	5×9	1.50	62	5×9	1.60	62
3.9	5×9	1.50	54	5×9	1.50	78	5×9	1.50	81	5×9	1.60	81
4.7	5×9	1.50	89	5×9	1.50	98	5×9	1.50	101	5×9	1.60	101
5.6	5×9	1.50	91	5×9	1.50	100	5×9	1.50	106	5×11	1.40	106
6.8	5×9	1.50	94	5×9	1.50	103	5×9	1.50	111	5×11	1.40	111
8.2	5×9	1.50	98	5×9	1.50	109	5×9	1.50	121	5×11	1.40	121
10	5×9	1.50	101	5×9	1.50	111	5×11	1.40	163	6.3×9	0.80	240
12				5×9	1.50	121	5×11	1.40	163	6.3×11	0.63	267
12										8×9	0.63	290
15	5×9	1.50	121	5×9	1.50	150	6.3×9	0.80	240	6.3×11	0.63	267
15										8×9	0.63	290

■ Standard Size

Voltage (V)	50			63			80			100		
	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)
18				5×11	1.10	173	6.3×9	0.80	267	6.3×11	0.63	267
18										8×9	0.63	290
22	5×11	0.97	238	6.3×9	0.58	250	6.3×11	0.63	267	8×11.5	0.40	450
22							8×9	0.63	290	10×9	0.63	470
27				6.3×9	0.58	278	6.3×11	0.63	267	8×11.5	0.40	450
27							8×9	0.63	290	10×9	0.63	470
33	6.3×9	0.36	344	6.3×11	0.39	344	6.3×11	0.63	267	8×11.5	0.40	450
33				8×9	0.39	390	8×9	0.63	290	10×9	0.63	470
39	6.3×9	0.36	344	6.3×11	0.39	344	8×11.5	0.40	450	8×16	0.28	565
39				8×9	0.39	390	10×9	0.63	470	10×12.5	0.28	624
47	6.3×11	0.34	385	6.3×11	0.39	385	8×11.5	0.40	450	8×16	0.28	585
47	8×9	0.23	390	8×9	0.39	525	10×9	0.63	470	10×12.5	0.25	624
56	6.3×11	0.34	385	8×9	0.39	525	8×11.5	0.40	450	10×12.5	0.25	624
56	8×9	0.23	390				10×9	0.63	470			
68	8×9	0.23	390	8×11.5	0.24	724	8×16	0.28	565	8×20	0.21	735
68				10×9	0.26	750	10×12.5	0.25	624	10×14	0.21	750
82	8×11.5	0.15	724	8×11.5	0.24	724	8×20	0.21	735	10×16	0.19	780
82	10×9	0.18	750	10×9	0.26	756	10×12.5	0.25	624	12.5×14	0.18	900
100	8×11.5	0.15	724	8×16	0.18	950	8×20	0.21	735	10×20	0.13	1040
100	10×9	0.18	750	10×12.5	0.19	979	10×16	0.19	780	12.5×16	0.14	1040
120	8×14	0.11	880	8×16	0.18	950	10×16	0.19	780	10×23	0.12	1170
120	10×12.5	0.11	880	10×12.5	0.19	979	12.5×14	0.18	900	12.5×20	0.0930	1430
150	8×16	0.11	950	8×20	0.13	950	10×20	0.13	1040	12.5×20	0.0930	1430
150	10×12.5	0.11	975	10×16	0.19	1190	12.5×16	0.14	1040			
180	8×20	0.0810	1190	10×16	0.19	1190	10×20	0.13	1040	12.5×25	0.0660	1620
180	10×14	0.11	1230				12.5×16	0.14	1040			
220	8×20	0.0510	1190	10×20	0.0860	1300	12.5×20	0.13	1248	12.5×25	0.0660	1620
220	10×16	0.0510	1370	12.5×16	0.0902	1500						
270	10×20	0.0450	1580	10×20	0.0860	1300	12.5×20	0.0940	1430	12.5×30	0.0560	1950
270	12.5×14	0.0550	1450	12.5×16	0.0902	1500				16×20	0.0640	1750
330	10×20	0.0450	1580	10×23	0.0760	1700	12.5×20	0.0940	1430	12.5×35	0.0470	2140
330	12.5×16	0.0550	1650	12.5×20	0.0660	1870				16×25	0.0480	2210
390	10×20	0.0450	1580	12.5×20	0.0660	1870	12.5×30	0.0560	1950	12.5×40	0.0400	2340
390							16×20	0.0640	1750	16×25	0.0480	2210
470	12.5×20	0.0500	2050	12.5×25	0.0470	2100	12.5×35	0.0470	2140	16×31.5	0.0360	2400
470							16×25	0.0480	2210	18×25	0.0420	2270
560	12.5×20	0.0500	2050	12.5×30	0.0385	2410	12.5×40	0.0400	2340	16×35.5	0.0320	2600
560				16×20	0.0473	2500	16×25	0.0480	2210	18×31.5	0.0340	2860
680	12.5×25	0.0450	2410	12.5×30	0.0385	2410	16×31.5	0.0360	2400	16×40	0.0300	2860

■ Standard Size

Voltage (V)	50			63			80			100		
	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)
680				16×25	0.0350	2730	18×25	0.0420	2270	18×35.5	0.0300	2860
820	12.5×25	0.0450	2410	12.5×35	0.0360	2620	16×35.5	0.0320	2600	18×40	0.0290	3510
820	16×20	0.0420	2730	16×25	0.0350	2730	18×25	0.0420	2270			
1000	12.5×30	0.0350	2860	16×31.5	0.0260	2990	16×40	0.0300	2860			
1000	16×25	0.0350	3010	18×25	0.0340	2800	18×31.5	0.0340	2470			
1200	16×31.5	0.0340	3280	16×31.5	0.0260	2990	18×35.5	0.0300	2860			
1200	18×25	0.0340	3300	18×25	0.0340	3300						
1500	16×31.5	0.0260	3280	16×35.5	0.0230	3280	18×40	0.0290	3510			
1500	18×25	0.0340	3300	18×31.5	0.0280	3300						
1800	16×35.5	0.0230	3300	16×40	0.0210	3570						
1800	18×31.5	0.0280	3300	18×35.5	0.0220	3570						
2200	18×35.5	0.0220	3570	18×40	0.0200	3670						
2700	18×40	0.0200	3670									

Voltage (V)	120			160			200			250			
	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)
0.47	5×9	6.05	24										
1.0	5×9	6.05	37	5×11	28.00	68	5×11	28.00	50	6.3×9	28.00	59	
1.2	5×9	6.05	37	5×11	28.00	68	5×11	28.00	55	6.3×9	28.00	59	
1.5	5×9	6.05	43	5×11	28.00	95	5×11	28.00	60	6.3×9	28.00	59	
1.8	5×9	6.05	43	5×11	28.00	95	5×11	28.00	65	6.3×9	28.00	68	
2.2	5×9	1.60	47	5×11	28.00	95	5×11	28.00	75	6.3×9	28.00	104	
2.7	5×9	1.60	55	5×11	28.00	95	5×11	28.00	80	6.3×9	28.00	113	
3.3	5×9	1.60	62	5×11	28.00	95	6.3×9	28.00	104	6.3×9	28.00	113	
3.9	5×9	1.60	81	5×11	28.00	95	6.3×9	28.00	104	6.3×11	14.90	135	
3.9										8×9	14.90	140	
4.7	5×9	1.60	101	6.3×9	23.00	104	6.3×11	14.90	125	6.3×11	14.90	135	
4.7							8×9	14.90	140	8×9	14.90	140	
5.6	5×11	1.40	106	6.3×9	23.00	110	6.3×11	14.90	125	8×9	14.90	140	
5.6							8×9	14.90	140				
6.8	5×11	1.40	111	6.3×11	15.00	125	8×9	14.90	140	8×9	14.90	140	
6.8				8×9	15.00	140							
8.2	6.3×9	1.40	127	8×9	15.00	140	8×9	14.90	140	8×11.5	12.50	150	
8.2										10×9	12.50	170	
10	6.3×9	1.10	220	8×9	15.00	140	8×11.5	12.50	160	8×11.5	10.00	150	

■ Standard Size

Voltage (V)	120			160			200			250		
	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)
10							10×9	12.50	170	10×9	12.50	170
12	6.3×11	0.80	220	8×11.5	12.50	150	8×14	6.00	240	8×14	6.00	240
12				10×9	12.50	160						
15	6.3×11	0.80	267	8×11.5	12.50	150	8×16	3.85	270	8×16	3.85	270
15	8×9	0.80	267	10×9	12.50	160	10×12.5	4.9	280	10×12.5	4.90	280
18	8×11.5	0.63	290	8×14	7.90	160	8×20	3.58	350	8×20	3.58	280
18				10×9	12.50	160	10×14	3.58	320	10×14	3.58	320
22	8×11.5	0.63	290	8×14	7.90	160	8×20	3.58	350	8×20	3.58	350
22				10×12.5	7.90	250	10×14	3.58	320	10×14	3.58	320
27	8×14	0.49	420	8×16	7.90	270						
27	10×9	0.49	420	10×12.5	7.90	250						
33	8×14	0.49	450	8×20	5.90	350	10×20	1.78	635	10×20	1.78	635
33	10×9	0.49	450	10×14	5.90	360	12.5×14	1.78	745	12.5×14	1.78	745
39	8×16	0.38	565	10×16	5.55	580						
39	10×12.5	0.38	565	12.5×14	5.55	745						
47	8×20	0.28	585	10×20	5.55	635	12.5×20	1.46	960	12.5×20	1.46	960
47	10×14	0.28	624	12.5×14	5.55	745						
56	8×23	0.25	624	10×20	5.55	850	12.5×20	1.46	960	12.5×20	1.46	960
56	10×16	0.25	624	12.5×16	5.55	850						
68	10×16	0.21	735	12.5×16	5.55	850	12.5×25	1.35	1270	12.5×25	1.35	1270
68	12.5×14	0.21	750				16×20	1.35	1270	16×20	1.35	1270
82	10×20	0.19	780	12.5×20	4.36	1155	12.5×25	1.35	1270	12.5×30	1.25	1470
82	12.5×16	0.19	900				16×20	1.35	1270	16×20	1.35	1270
100	10×23	0.14	1040	12.5×20	4.36	1155	12.5×30	1.25	1360	16×25	1.32	1500
100	12.5×16	0.14	1040				16×20	1.35	1270	18×20	1.32	1410
120	12.5×20	0.12	1240	12.5×25	3.01	1390	12.5×30	1.25	1360	16×25	1.32	1500
120				16×20	3.01	1420	16×25	1.32	1850			
150	12.5×25	0.0930	1368	12.5×30	3.01	1520	16×25	1.32	1850	16×31.5	1.25	1990
150	16×20	0.0930	1368	16×25	2.31	1850				18×25	1.25	1920
180	12.5×30	0.0660	1530	16×25	2.31	1850	16×35.5	0.95	2250	16×35.5	0.95	2250
180							18×31.5	0.95	2250	18×31.5	0.95	2250
220	16×25	0.0660	1620	16×31.5	1.88	2400	18×31.5	0.91	2625	18×35.5	0.91	2625
220	18×20	0.0660	1620	18×25	1.88	2320						
270	16×25	0.0560	1750	16×35.5	1.80	2715						
270	18×20	0.0640	1750	18×31.5	0.98	2660						
330	16×31.5	0.0470	2140	18×31.5	0.98	2660						
330	18×25	0.0480	2140									
390	16×35.5	0.0400	2210	18×35.5	0.91	2715						
390	18×31.5	0.0400	2210									

■ Standard Size

Voltage (V)	120			160			200			250		
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)
470	18×31.5	0.0400	2270									
560	18×35.5	0.0320	2600									
560	18×40	0.0300	2860									

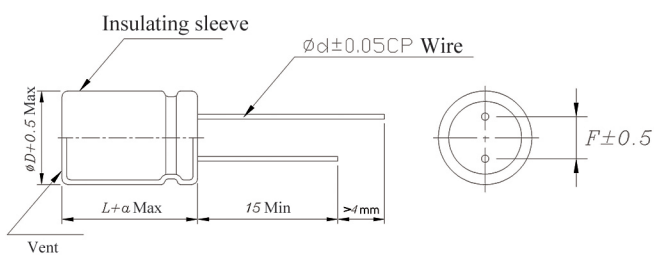
Voltage (V)	350			400			450			500		
Items Capacitance (μF)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2°C)	Ripple Current (mA/r.m.s /105°C100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2°C)	Ripple Current (mA/r.m.s /105°C100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2°C)	Ripple Current (mA/r.m.s /105°C100KHz)	Size D×L(mm)	Impedance (Ω max/100KHz 25±2°C)	Ripple Current (mA/r.m.s /105°C100KHz)
1.0	6.3×9	55.00	77	6.3×9	55.00	77	6.3×9	55.00	77	6.3×12	52.00	45
1.2	6.3×9	36.00	95	6.3×9	36.00	81	6.3×9	52.00	81	6.3×12	52.00	45
1.5	6.3×9	36.00	95	6.3×9	36.00	81	6.3×9	52.00	90	6.3×12	52.00	45
1.8	6.3×9	36.00	104	6.3×9	36.00	95	6.3×11	52.00	95	8×11.5	45.00	80
1.8							8×9	42.00	100			
2.2	6.3×9	36.00	125	6.3×9	29.00	105	8×9	42.00	100	8×11.5	45.00	80
2.7	6.3×11	18.00	125	8×9	25.00	131	8×9	42.00	100	8×14	18.50	85
2.7	8×9	18.00	131									
3.3	8×9	18.00	131	8×9	25.00	131	8×11.5	25.00	130	8×14	18.50	85
3.3							10×9	23.50	135			
3.9	8×9	17.00	131	8×11.5	25.00	140	8×11.5	25.00	130	8×16	13.00	102
3.9				10×9	23.50	150	10×9	23.50	135			
4.7	8×11.5	17.00	140	8×11.5	23.5	140	8×14	18.50	135	8×20	13.00	130
4.7	10×9	17.00	150	10×9	23.50	150	10×9	18.50	135			
5.6	8×11.5	17.00	140	8×14	15.00	200	8×16	15.00	140	10×16	13.00	130
5.6	10×9	17.00	150	10×12.5	15.00	250	10×12.5	13.50	140			
6.8	8×14	15.00	200	8×16	11.25	220	8×20	8.05	220	10×16	13.00	130
6.8	10×9	17.00	150	10×12.5	15.00	250	10×14	12.00	200			
8.2	8×16	11.25	220	8×20	8.05	275	8×20	8.05	220	10×20	11.00	240
8.2	10×12.5	15.00	250	10×14	11.00	270	10×14	12.00	200			
10	8×20	8.05	275	8×20	8.05	275	10×16	8.05	260	10×20	11.00	240
10	10×14	11.00	270	10×14	11.00	270	12.5×14	7.70	350	12.5×14	10.00	260
12	10×16	8.00	360	10×20	7.50	340	10×20	7.70	370	12.5×16	9.00	265
15	10×16	6.50	360	10×20	6.50	340	10×20	7.70	370	12.5×20	8.00	270
15	12.5×14	6.50	585	12.5×16	6.50	360	12.5×16	7.70	370			
18	10×20	6.50	480	12.5×16	6.50	360	12.5×20	6.70	450	12.5×25	7.00	470
18	12.5×14	6.50	585									
22	10×20	6.50	585	12.5×20	6.50	570	12.5×20	6.70	450	12.5×25	7.00	470
22	12.5×16	6.50	585									

LKF

Standard Size

Voltage (V)	350			400			450			500			
	Items	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)
Capacitance (μF)	33	12.5×20	6.50	960	12.5×25	3.25	850	12.5×30	3.05	755	12.5×35	5.50	650
	33				16×20	3.25	900	16×20	3.05	740	16×25	3.50	650
	47	12.5×25	2.25	1115	12.5×30	2.25	1100	12.5×35	1.60	1215	16×31.5	2.50	720
	47	16×20	2.25	1060	16×25	2.25	1155	16×25	1.60	1215			
	56	12.5×30	2.25	1115	16×25	2.25	1155	16×31.5	1.60	1215	16×35.5	2.30	840
	56	16×25	2.25	1155	18×20	2.25	1400	18×25	1.60	1300	18×31.5	2.30	840
	68	16×25	2.25	1115	16×31.5	1.60	1460	16×31.5	1.60	1215	18×31.5	2.30	840
	68	18×20	2.25	1400	18×25	1.60	1530						
	82	16×31.5	1.60	1550	16×35.5	1.60	1740	16×40	1.35	1675	18×35.5	1.80	1100
	82	18×25	1.60	1530	18×31.5	1.60	1740	18×31.5	1.45	1700			
	100	16×35.5	1.60	2230	18×31.5	1.60	1740	18×35.5	1.35	1800	18×40	1.50	1150
	100	18×31.5	1.60	2230									
	120	18×31.5	1.60	2305	18×35.5	1.50	2305	18×40	1.25	1930	18×45	1.40	1600
	150	18×35.5	1.50	2720	18×40	1.50	3330	18×45	1.15	2350			

Standard Size (Unit: mm)



L=9	a=1.0
L≤16	a=1.5
L>16	a=2.0

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

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	0.40	0.50	0.80	0.90	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