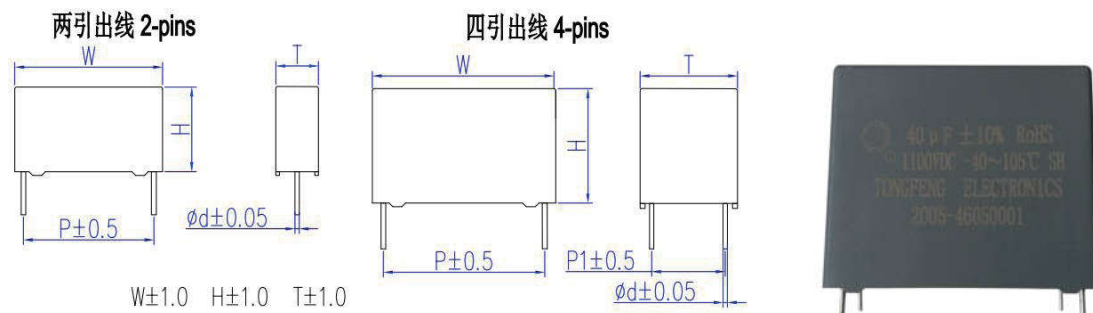


电力电子电容器 Power Electronic Capacitor

PCB 用 DC-Link 电容器 DC-Link Capacitor for PCB



■ 特点 Features

金属化聚丙烯膜结构	Metallized polypropylene film structure
良好的电气性能	Excellent electric property
塑料外壳封装 (UL94 V-0), 树脂填充	Plastic case(UL94 V-0), filled with resin
高性能直流滤波应用场合 (如: 变频器、工业和高 端电源、太阳能逆变器等)	High performance DC filtering applications (i.e. transducers, industrial and high-end power supplies and solar inverters)

■ 技术要求 Specifications

引用标准 Reference Standard	GB/T 17702(IEC 61071)
气候类别 Climatic Category	40/85/56
工作温度 (外壳) Operating Temperature(case)	-40°C ~ 105°C (+85°C to 105°C :decreasing factor 1.35% per °C for $U_{N,85°C}$)
额定电压 $U_{N,85°C}$	500VDC,600VDC,800VDC,900VDC,1000VDC,1100VDC,1200VDC
电容量偏差 Capacitance Tolerance	± 5%(J) , ± 10%(K)
耐电压 Voltage Proof	1.5 U_N (10s)
绝缘电阻 Insulation Resistance	≥ 10 000s , (20°C , 100VDC, 1min)
自感 (L_s) Self Inductance(L_s)	<1nH per mm of lead spacing
最大峰值电流 I_m (A) Maximum Peak Current I_m (A)	$I_m=C \cdot dV/dt$
预期寿命 Expected Lifetime	100 000h @ U_N , $\theta_{hs}=70°C$

■ 技术参数 Technical Data(mm)

U _{N,85°C} : 500VDC												
C _N (μF)	W ± 1.0	H ± 1.0	T ± 1.0	P ± 0.5	P1 ± 0.5	d ± 0.05	dV/dt (V/μs)	tan δ × (10 ⁻⁴)		ESR @10kHz (mΩ)	I _{max} (A)	Part number
								1kHz	10kHz			
5.0	32.0	20.0	11.0	27.5	—	0.8	65	10	100	21.9	5.0	MKPDL500505K****
10.0	32.0	24.5	15.0	27.5	—	0.8	65	10	100	11.5	6.5	MKPDL500106K****
22.0	32.0	37.0	22.0	27.5	—	0.8	65	10	100	5.9	10.0	MKPDL500226K****
30.0	41.5	40.0	20.0	37.5	10.2	1.0	30	15	150	8.0	12.5	MKPDL500306K****
35.0	42.0	36.0	28.0	37.5	10.2	1.0	30	15	150	8.0	13.5	MKPDL500356K****
40.0	42.5	37.0	28.0	37.5	10.2	1.0	30	15	150	5.0	14.5	MKPDL500406K****
50.0	42.5	45.0	30.0	37.5	12.7	1.2	30	15	150	4.0	16.0	MKPDL500506K****
50.0	42.5	45.0	30.0	37.5	20.3	1.2	30	15	150	4.0	16.0	MKPDL500506K****
60.0	57.5	45.0	30.0	37.5	20.3	1.2	30	15	150	3.8	16.5	MKPDL500606K****
75.0	57.5	45.0	30.0	52.5	12.7	1.2	15	35	350	5.5	16.0	MKPDL500756K****
75.0	57.5	45.0	30.0	52.5	20.3	1.2	15	35	350	5.5	16.0	MKPDL500756K****
80.0	57.5	45.0	30.0	52.5	20.3	1.2	15	35	350	5.0	16.5	MKPDL500806K****
100.0	57.5	50.0	35.0	52.5	20.3	1.2	15	35	350	4.0	18.0	MKPDL500107K****
110.0	57.5	50.0	35.0	52.5	20.3	1.2	15	35	350	4.0	19.0	MKPDL500117K****

U _{N,85°C} : 600VDC												
C _N (μF)	W ± 1.0	H ± 1.0	T ± 1.0	P ± 0.5	P1 ± 0.5	d ± 0.05	dV/dt (V/μs)	tan δ × (10 ⁻⁴)		ESR @10kHz (mΩ)	I _{max} (A)	Part number
								1kHz	10kHz			
2.0	31.5	17.5	8.5	27.5	—	0.8	65	11	100	47.8	2.8	MKPDL600205K****
3.0	32.0	20.0	11.0	27.5	—	0.8	65	11	100	31.8	4.1	MKPDL600305K****
4.0	32.0	20.0	11.0	27.5	—	0.8	65	11	100	23.9	5.5	MKPDL600405K****
5.0	32.0	22.0	13.0	27.5	—	0.8	65	11	100	19.1	6.9	MKPDL600505K****
6.0	32.0	24.5	15.0	27.5	—	0.8	65	11	100	18.6	7.1	MKPDL600605K****
7.0	32.0	24.5	15.0	27.5	—	0.8	65	11	100	15.9	8.3	MKPDL600705K****
8.0	32.0	28.0	14.0	27.5	—	0.8	65	11	100	13.9	9.5	MKPDL600805K****
9.0	32.0	28.0	18.0	27.5	—	0.8	65	11	100	12.4	10.7	MKPDL600905K****
10.0	32.0	28.0	18.0	27.5	—	0.8	65	11	100	11.1	11.0	MKPDL600106K****
12.0	32.0	33.0	18.0	27.5	—	0.8	65	11	100	10.8	12.0	MKPDL600126K****
15.0	32.0	37.0	22.0	27.5	—	0.8	65	11	100	9.0	12.0	MKPDL600156K****
15.0	32.0	37.0	22.0	27.5	10.2	0.8	65	11	100	7.4	16.5	MKPDL600156K****
18.0	32.0	37.0	22.0	27.5	—	0.8	65	11	100	8.0	12.0	MKPDL600186K****
18.0	32.0	37.0	22.0	27.5	12.7	0.8	65	11	100	6.2	17.0	MKPDL600186K****
10.0	41.5	32.0	16.0	37.5	—	1.0	30	20	175	19.5	6.2	MKPDL600106K****
12.0	41.5	32.0	16.0	37.5	—	1.0	30	20	175	16.3	7.4	MKPDL600126K****
15.0	41.0	33.5	18.5	37.5	—	1.0	30	20	175	13.0	9.2	MKPDL600156K****
20.0	41.5	40.0	20.0	37.5	10.2	1.0	30	20	175	9.8	12.3	MKPDL600206K****
22.0	41.5	40.0	20.0	37.5	10.2	1.0	30	20	175	8.9	13.5	MKPDL600226K****
25.0	41.5	40.0	20.0	37.5	10.2	1.0	30	20	175	7.8	15.4	MKPDL600256K****
30.0	42.5	44.0	24.0	37.5	12.7	1.0	30	20	175	6.5	18.5	MKPDL600306K****
35.0	42.5	45.0	30.0	37.5	12.7	1.2	30	20	175	6.0	20.1	MKPDL600356K****
35.0	42.5	45.0	30.0	37.5	20.3	1.2	30	20	175	6.0	20.1	MKPDL600356K****
40.0	42.5	45.0	30.0	37.5	12.7	1.2	30	20	175	5.2	23.0	MKPDL600406K****
40.0	42.5	45.0	30.0	37.5	20.3	1.2	30	20	175	5.2	23.0	MKPDL600406K****
40.0	57.5	45.0	30.0	52.5	12.7	1.2	15	36	350	9.8	12.3	MKPDL600406K****
45.0	57.5	45.0	30.0	52.5	12.7	1.2	15	36	350	8.7	13.8	MKPDL600456K****
50.0	57.5	45.0	30.0	52.5	12.7	1.2	15	36	350	7.8	15.4	MKPDL600506K****
55.0	57.5	45.0	30.0	52.5	12.7	1.2	15	36	350	7.1	16.9	MKPDL600556K****
55.0	57.5	45.0	30.0	52.5	20.3	1.2	15	36	350	7.1	16.9	MKPDL600556K****
60.0	57.5	45.0	30.0	52.5	12.7	1.2	15	36	350	6.5	18.5	MKPDL600606K****
60.0	57.5	45.0	30.0	52.5	20.3	1.2	15	36	350	6.5	18.5	MKPDL600606K****
65.0	57.5	50.0	35.0	52.5	12.7	1.2	15	36	350	6.0	20.0	MKPDL600656K****

■ 技术参数 Technical Data(mm)

U _{N,85℃} : 600VDC												
C _N (μF)	W± 1.0	H± 1.0	T± 1.0	P± 0.5	P1± 0.5	d± 0.05	dV/dt (v/μs)	tan δ × (10 ⁻⁴)		ESR @10kHz (mΩ)	I _{max} (A)	Part number
								1kHz	10kHz			
65.0	57.5	50.0	35.0	52.5	20.3	1.2	15	36	350	6.0	20.0	MKPDL600656K****
70.0	57.5	50.0	35.0	52.5	20.3	1.2	15	36	350	5.6	21.5	MKPDL600706K****
75.0	57.5	50.0	35.0	52.5	20.3	1.2	15	36	350	5.2	23.1	MKPDL600756K****
80.0	57.5	50.0	35.0	52.5	20.3	1.2	15	36	350	4.9	24.6	MKPDL600806K****
85.0	57.0	55.0	45.0	52.5	20.3	1.2	15	36	350	4.8	25.1	MKPDL600856K****
90.0	57.0	55.0	45.0	52.5	20.3	1.2	15	36	350	4.6	25.8	MKPDL600906K****
95.0	57.0	55.0	45.0	52.5	20.3	1.2	15	36	350	4.4	27.3	MKPDL600956K****
100.0	57.0	55.0	45.0	52.5	20.3	1.2	15	36	350	4.2	28.7	MKPDL600107K****
110.0	57.0	55.0	45.0	52.5	20.3	1.2	15	36	350	3.8	31.6	MKPDL600117K****
120.0	57.0	65.0	45.0	52.5	20.3	1.2	15	36	350	3.5	34.5	MKPDL600127K****
130.0	57.0	65.0	45.0	52.5	20.3	1.2	15	36	350	3.2	35.0	MKPDL600137K****
140.0	57.0	65.0	45.0	52.5	20.3	1.2	15	36	350	3.0	35.0	MKPDL600147K****

U _{N,85℃} : 800VDC												
C _N (μF)	W± 1.0	H± 1.0	T± 1.0	P± 0.5	P1± 0.5	d± 0.05	dV/dt (v/μs)	tan δ × (10 ⁻⁴)		ESR @10kHz (mΩ)	I _{max} (A)	Part number
								1kHz	10kHz			
2.0	31.5	17.5	8.5	27.5	—	0.8	65	10	95	45.4	2.9	MKPDL800205K****
3.0	32.0	20.0	11.0	27.5	—	0.8	65	10	95	30.3	4.4	MKPDL800305K****
3.3	32.0	28.0	18.0	27.5	—	0.8	65	10	95	18.8	7.0	MKPDL800335K****
4.0	32.0	25.0	14.0	27.5	—	0.8	65	10	95	22.7	5.8	MKPDL800405K****
5.0	32.0	24.5	15.0	27.5	—	0.8	65	10	95	18.2	7.3	MKPDL800505K****
6.0	32.0	28.0	18.0	27.5	—	0.8	65	10	95	15.1	8.7	MKPDL800605K****
7.0	32.0	28.0	18.0	27.5	—	0.8	65	10	95	13.0	10.2	MKPDL800705K****
8.0	32.0	33.0	18.0	27.5	—	0.8	65	10	95	12.5	10.5	MKPDL800805K****
9.0	32.0	33.0	18.0	27.5	—	0.8	65	10	95	11.1	11.8	MKPDL800905K****
10.0	32.0	37.0	22.0	27.5	—	0.8	65	10	95	11.0	12.0	MKPDL800106K****
10.0	32.0	37.0	22.0	27.5	10.2	0.8	65	10	95	9.1	14.5	MKPDL800106K****
11.0	32.0	37.0	22.0	27.5	—	0.8	65	10	95	10.0	12.0	MKPDL800116K****
11.0	32.0	37.0	22.0	27.5	10.2	0.8	65	10	95	8.3	16.0	MKPDL800116K****
12.0	32.0	37.0	22.0	27.5	—	0.8	65	10	95	9.3	12.0	MKPDL800126K****
12.0	32.0	37.0	22.0	27.5	10.2	0.8	65	10	95	7.6	16.0	MKPDL800126K****
13.0	32.0	37.0	22.0	27.5	—	0.8	65	10	95	8.8	12.0	MKPDL800136K****
13.0	32.0	37.0	22.0	27.5	12.7	0.8	65	10	95	8.1	16.2	MKPDL800136K****
14.0	32.0	37.0	22.0	27.5	—	0.8	65	10	95	8.2	12.0	MKPDL800146K****
14.0	32.0	37.0	22.0	27.5	12.7	0.8	65	10	95	7.6	16.5	MKPDL800146K****
8.0	41.0	30.0	16.0	37.5	—	1.0	30	18	160	22.3	5.4	MKPDL800805K****
9.0	41.0	30.0	16.0	37.5	—	1.0	30	18	160	19.8	6.1	MKPDL800905K****
10.0	41.0	33.5	18.5	37.5	—	1.0	30	18	160	17.8	6.7	MKPDL800106K****
12.0	41.0	33.5	18.5	37.5	—	1.0	30	18	160	14.9	8.1	MKPDL800126K****
14.0	41.0	33.5	18.5	37.5	—	1.0	30	18	160	13.8	9.4	MKPDL800146K****
15.0	41.5	40.0	20.0	37.5	10.2	1.0	30	18	160	11.9	10.1	MKPDL800156K****
20.0	42.5	44.0	24.0	37.5	12.7	1.0	30	18	160	8.9	13.5	MKPDL800206K****
25.0	42.5	44.0	24.0	37.5	12.7	1.0	30	18	160	7.1	16.8	MKPDL800256K****
30.0	42.5	45.0	30.0	37.5	12.7	1.2	30	18	160	5.9	20.2	MKPDL800306K****
30.0	42.5	45.0	30.0	37.5	20.3	1.2	30	18	160	5.9	20.2	MKPDL800306K****
25.0	58.0	45.0	28.0	52.5	12.7	1.2	15	33	320	14.3	8.4	MKPDL800256K****
30.0	58.0	45.0	28.0	52.5	12.7	1.2	15	33	320	11.9	10.1	MKPDL800306K****
35.0	58.0	45.0	28.0	52.5	12.7	1.2	15	33	320	10.2	11.8	MKPDL800356K****
40.0	57.5	45.0	30.0	52.5	12.7	1.2	15	33	320	8.9	13.5	MKPDL800406K****
40.0	57.5	45.0	30.0	52.5	20.3	1.2	15	33	320	8.9	13.5	MKPDL800406K****

■ 技术参数 Technical Data(mm)

U _{N,85℃} : 800VDC												
C _N (μF)	W ± 1.0	H ± 1.0	T ± 1.0	P ± 0.5	P1 ± 0.5	d ± 0.05	dV/dt (V/μs)	tan δ × (10 ⁻⁴)		ESR @10kHz (mΩ)	I _{max} (A)	Part number
								1kHz	10kHz			
45.0	57.5	45.0	30.0	52.5	12.7	1.2	15	33	320	7.9	15.1	MKPD800456K****
45.0	57.5	45.0	30.0	52.5	20.3	1.2	15	33	320	7.9	15.1	MKPD800156K****
50.0	57.5	50.0	35.0	52.5	12.7	1.2	15	33	320	7.1	16.8	MKPD800506K****
50.0	57.5	50.0	35.0	52.5	20.3	1.2	15	33	320	7.1	16.8	MKPD800506K****
55.0	57.5	50.0	35.0	52.5	20.3	1.2	15	33	320	6.5	18.5	MKPD800556K****
60.0	57.5	50.0	35.0	52.5	20.3	1.2	15	33	320	5.9	20.2	MKPD800606K****
65.0	57.0	55.0	45.0	52.5	20.3	1.2	15	33	320	5.5	21.9	MKPD800656K****
70.0	57.0	55.0	45.0	52.5	20.3	1.2	15	33	320	5.1	23.6	MKPD800706K****
75.0	57.0	55.0	45.0	52.5	20.3	1.2	15	33	320	4.8	25.2	MKPD800756K****
80.0	57.0	55.0	45.0	52.5	20.3	1.2	15	33	320	4.6	25.9	MKPD800806K****
85.0	57.0	55.0	45.0	52.5	20.3	1.2	15	33	320	4.5	26.7	MKPD800856K****
90.0	57.0	55.0	45.0	52.5	20.3	1.2	15	33	320	4.2	28.3	MKPD800906K****
95.0	57.0	65.0	45.0	52.5	20.3	1.2	15	33	320	4.0	29.8	MKPD800956K****
100.0	57.0	65.0	45.0	52.5	20.3	1.2	15	33	320	3.8	31.4	MKPD800107K****
110.0	57.0	65.0	45.0	52.5	20.3	1.2	15	33	320	3.5	34.5	MKPD800117K****

U _{N,85℃} : 900VDC												
C _N (μF)	W ± 1.0	H ± 1.0	T ± 1.0	P ± 0.5	P1 ± 0.5	d ± 0.05	dV/dt (V/μs)	tan δ × (10 ⁻⁴)		ESR @10kHz (mΩ)	I _{max} (A)	Part number
								1kHz	10kHz			
1.0	31.5	17.5	8.5	27.5	—	0.8	70	9	90	86.0	1.5	MKPD900105K****
2.0	32.0	20.0	11.0	27.5	—	0.8	70	9	90	43.0	3.1	MKPD900205K****
3.0	32.0	22.0	13.0	27.5	—	0.8	70	9	90	28.7	4.6	MKPD900305K****
4.0	32.0	24.5	15.0	27.5	—	0.8	70	9	90	21.5	6.1	MKPD900405K****
5.0	32.0	28.0	18.0	27.5	—	0.8	70	9	90	17.2	7.7	MKPD900505K****
6.0	32.0	33.0	18.0	27.5	—	0.8	70	9	90	18.0	6.9	MKPD900605K****
7.0	32.0	33.0	18.0	27.5	—	0.8	70	9	90	13.0	10.2	MKPD900705K****
8.0	32.0	37.0	22.0	27.5	—	0.8	70	9	90	11.5	11.4	MKPD900805K****
8.0	32.0	37.0	22.0	27.5	10.2	0.8	70	9	90	10.7	12.3	MKPD900805K****
9.0	32.0	37.0	22.0	27.5	—	0.8	70	9	90	10.4	12.0	MKPD900905K****
9.0	32.0	37.0	22.0	27.5	12.7	0.8	70	9	90	9.6	13.8	MKPD900905K****
10.0	32.0	37.0	22.0	27.5	—	0.8	70	9	90	12.0	12.2	MKPD900106K****
10.0	32.0	37.0	22.0	27.5	12.7	0.8	70	9	90	8.6	15.4	MKPD900106K****
4.7	41.5	26.0	17.0	37.5	—	1.0	35	17	150	35.6	3.4	MKPD900475K****
5.0	41.0	30.0	16.0	37.5	—	1.0	35	17	150	33.4	3.6	MKPD900505K****
6.0	41.0	30.0	16.0	37.5	—	1.0	35	17	150	27.9	4.3	MKPD900605K****
7.0	41.0	30.0	16.0	37.5	—	1.0	35	17	150	23.9	5.0	MKPD900705K****
8.0	41.0	33.5	18.5	37.5	—	1.0	35	17	150	20.9	5.7	MKPD900805K****
10.0	41.5	40.0	20.0	37.5	10.2	1.0	35	17	150	16.7	7.2	MKPD900106K****
12.0	42.5	44.0	24.0	37.5	10.2	1.0	35	17	150	13.9	8.6	MKPD900126K****
15.0	42.5	44.0	24.0	37.5	12.7	1.0	35	17	150	11.1	10.8	MKPD900156K****
18.0	42.5	44.0	24.0	37.5	12.7	1.0	35	17	150	9.3	12.9	MKPD900186K****
20.0	42.5	44.0	24.0	37.5	12.7	1.0	35	17	150	8.4	14.4	MKPD900206K****
25.0	42.5	45.0	30.0	37.5	12.7	1.2	35	17	150	6.7	17.9	MKPD900256K****
25.0	42.5	45.0	30.0	37.5	20.3	1.2	35	17	150	6.7	17.9	MKPD900256K****
15.0	58.0	45.0	28.0	52.5	10.2	1.2	15	31	300	22.3	5.4	MKPD900156K****
20.0	58.0	45.0	28.0	52.5	12.7	1.2	15	31	300	16.7	7.2	MKPD900206K****
25.0	58.0	45.0	28.0	52.5	12.7	1.2	15	31	300	13.4	9.0	MKPD900256K****
30.0	57.5	45.0	30.0	52.5	12.7	1.2	15	31	300	11.1	10.8	MKPD900306K****
30.0	57.5	45.0	30.0	52.5	20.3	1.2	15	31	300	11.1	10.8	MKPD900306K****
35.0	57.5	45.0	30.0	52.5	12.7	1.2	15	31	300	9.6	12.6	MKPD900356K****
35.0	57.5	45.0	30.0	52.5	20.3	1.2	15	31	300	9.6	12.6	MKPD900356K****



■ 技术参数 Technical Data(mm)

U _{N,85℃} : 900VDC												
C _N (μF)	W ± 1.0	H ± 1.0	T ± 1.0	P ± 0.5	P1 ± 0.5	d ± 0.05	dV/dt (V/μs)	tan δ × (10 ⁻⁴)		ESR @10kHz (mΩ)	I _{max} (A)	Part number
								1kHz	10kHz			
40.0	57.5	50.0	35.0	52.5	20.3	1.2	15	31	300	8.4	14.4	MKPDL900406K****
45.0	57.5	50.0	35.0	52.5	20.3	1.2	15	31	300	7.4	16.1	MKPDL900456K****
55.0	57.0	55.0	45.0	52.5	20.3	1.2	15	31	300	6.1	19.7	MKPDL900556K****
60.0	57.0	55.0	45.0	52.5	20.3	1.2	15	31	300	5.6	21.5	MKPDL900606K****
65.0	57.0	55.0	45.0	52.5	20.3	1.2	15	31	300	5.1	23.3	MKPDL900656K****
70.0	57.0	65.0	45.0	52.5	20.3	1.2	15	31	300	4.8	25.1	MKPDL900706K****
75.0	57.0	65.0	45.0	52.5	20.3	1.2	15	31	300	4.7	25.7	MKPDL900756K****
80.0	57.0	65.0	45.0	52.5	20.3	1.2	15	31	300	4.5	26.8	MKPDL900806K****
85.0	57.0	65.0	45.0	52.5	20.3	1.2	15	31	300	4.2	28.5	MKPDL900856K****

U _{N,85℃} : 1000VDC												
C _N (μF)	W ± 1.0	H ± 1.0	T ± 1.0	P ± 0.5	P1 ± 0.5	d ± 0.05	dV/dt (V/μs)	tan δ × (10 ⁻⁴)		ESR @10kHz (mΩ)	I _{max} (A)	Part number
								1kHz	10kHz			
1.0	31.5	17.5	8.5	27.5	—	0.8	75	8	80	76.4	1.7	MKPDL1K0105K****
2.0	32.0	22.0	13.0	27.5	—	0.8	75	8	80	38.2	3.5	MKPDL1K0205K****
3.0	32.0	24.5	15.0	27.5	—	0.8	75	8	80	25.5	5.2	MKPDL1K0305K****
4.0	32.0	28.0	18.0	27.5	—	0.8	75	8	80	19.1	6.9	MKPDL1K0405K****
5.0	32.0	33.0	18.0	27.5	—	0.8	75	8	80	15.3	8.6	MKPDL1K0505K****
6.0	32.0	33.0	18.0	27.5	—	0.8	75	8	80	14.9	8.9	MKPDL1K0605K****
7.0	32.0	37.0	22.0	27.5	—	0.8	75	8	80	14.5	9.4	MKPDL1K0705K****
7.0	32.0	37.0	22.0	27.5	12.7	0.8	75	8	80	11.4	11.6	MKPDL1K0705K****
8.0	32.0	37.0	22.0	27.5	—	0.8	75	8	80	13.0	10.8	MKPDL1K0805K****
8.0	32.0	37.0	22.0	27.5	12.7	0.8	75	8	80	10.0	13.3	MKPDL1K0805K****
5.0	41.0	30.0	16.0	37.5	—	1.0	37	15	140	31.2	3.8	MKPDL1K0505K****
6.0	41.0	30.0	16.0	37.5	—	1.0	37	15	140	26.0	4.6	MKPDL1K0605K****
7.0	41.0	33.5	18.5	37.5	—	1.0	37	15	140	22.3	5.4	MKPDL1K0705K****
8.0	41.0	33.5	18.5	37.5	—	1.0	37	15	140	19.5	6.2	MKPDL1K0805K****
10.0	41.5	40.0	20.0	37.5	—	1.0	37	15	140	15.6	6.7	MKPDL1K0106K****
10.0	41.5	40.0	20.0	37.5	10.2	1.0	37	15	140	15.6	7.7	MKPDL1K0106K****
12.0	42.5	44.0	24.0	37.5	12.7	1.0	37	15	140	13.0	9.2	MKPDL1K0126K****
12.0	42.5	44.0	24.0	37.5	—	1.0	37	15	140	15.0	8.0	MKPDL1K0126K****
15.0	42.5	44.0	24.0	37.5	12.7	1.0	37	15	140	10.4	11.5	MKPDL1K0156K****
18.0	42.5	45.0	30.0	37.5	12.7	1.2	37	15	140	8.7	13.8	MKPDL1K0186K****
18.0	42.5	45.0	30.0	37.5	20.3	1.2	37	15	140	8.7	13.8	MKPDL1K0186K****
20.0	42.5	45.0	30.0	37.5	12.7	1.2	37	15	140	7.8	15.4	MKPDL1K0206K****
20.0	42.5	45.0	30.0	37.5	20.3	1.2	37	15	140	7.8	15.4	MKPDL1K0206K****
15.0	58.0	45.0	28.0	52.5	12.7	1.2	17	28	280	20.8	5.8	MKPDL1K0156K****
20.0	58.0	45.0	28.0	52.5	12.7	1.2	17	28	280	15.6	7.7	MKPDL1K0206K****
25.0	58.0	45.0	28.0	52.5	12.7	1.2	17	28	280	12.5	9.6	MKPDL1K0256K****
30.0	57.5	45.0	30.0	52.5	12.7	1.2	17	28	280	10.4	11.5	MKPDL1K0306K****
30.0	57.5	45.0	30.0	52.5	20.3	1.2	17	28	280	10.4	11.5	MKPDL1K0306K****
30.0	57.5	45.0	30.0	52.5	12.7	1.2	17	28	280	10.4	11.5	MKPDL1K0306K****
30.0	57.5	45.0	30.0	52.5	20.3	1.2	17	28	280	10.4	11.5	MKPDL1K0306K****
35.0	57.5	50.0	35.0	52.5	20.3	1.2	17	28	280	8.9	13.5	MKPDL1K0356K****
40.0	57.5	50.0	35.0	52.5	20.3	1.2	17	28	280	7.8	15.4	MKPDL1K0406K****
45.0	57.0	55.0	45.0	52.5	20.3	1.2	17	28	280	6.9	17.3	MKPDL1K0456K****
50.0	57.0	55.0	45.0	52.5	20.3	1.2	17	28	280	6.2	19.2	MKPDL1K0506K****
55.0	57.0	55.0	45.0	52.5	20.3	1.2	17	28	280	5.7	21.1	MKPDL1K0556K****
60.0	57.0	65.0	45.0	52.5	20.3	1.2	17	28	280	5.2	23.1	MKPDL1K0606K****
65.0	57.0	65.0	45.0	52.5	20.3	1.2	17	28	280	4.8	25.0	MKPDL1K0656K****
70.0	57.0	65.0	45.0	52.5	20.3	1.2	17	28	280	4.5	26.9	MKPDL1K0706K****



■ 技术参数 Technical Data(mm)

U _{N,85℃} : 1100VDC												
C _N (μF)	W ± 1.0	H ± 1.0	T ± 1.0	P ± 0.5	P1 ± 0.5	d ± 0.05	dV/dt (V/μs)	tan δ × (10 ⁻⁴)		ESR @10kHz (mΩ)	I _{max} (A)	Part number
								1kHz	10kHz			
0.68	32.0	20.0	11.0	27.5	—	0.8	80	8	70	80.0	1.7	MKPD1K1684K****
1.0	32.0	20.0	11.0	27.5	—	0.8	80	8	70	59.4	2.2	MKPD1K1105K****
1.5	32.0	22.0	13.0	27.5	—	0.8	80	8	70	55.7	2.4	MKPD1K1155K****
2.0	32.0	25.0	14.0	27.5	—	0.8	80	8	70	27.9	4.7	MKPD1K1205K****
3.0	32.0	28.0	18.0	27.5	—	0.8	80	8	70	20.4	6.5	MKPD1K1305K****
4.0	32.0	33.0	18.0	27.5	—	0.8	80	8	70	15.3	8.6	MKPD1K1405K****
5.0	32.0	37.0	22.0	27.5	—	0.8	80	8	70	14.0	9.8	MKPD1K1505K****
5.0	32.0	37.0	22.0	27.5	10.2	0.8	80	8	70	12.3	10.8	MKPD1K1505K****
6.0	32.0	37.0	22.0	27.5	—	0.8	80	8	70	12.3	10.8	MKPD1K1605K****
6.0	32.0	37.0	22.0	27.5	10.2	0.8	80	8	70	10.2	12.9	MKPD1K1605K****
3.0	41.0	30.0	16.0	37.5	—	1.0	40	15	130	48.3	2.5	MKPD1K1305K****
4.0	41.0	30.0	16.0	37.5	—	1.0	40	15	130	36.2	3.3	MKPD1K1405K****
4.7	41.0	33.5	18.5	37.5	—	1.0	40	15	130	30.8	3.9	MKPD1K1475K****
5.0	41.0	33.5	18.5	37.5	—	1.0	40	15	130	29.0	4.1	MKPD1K1505K****
6.0	41.0	33.5	18.5	37.5	—	1.0	40	15	130	24.2	5.0	MKPD1K1605K****
7.0	41.5	40.0	20.0	37.5	10.2	1.0	40	15	130	20.7	5.8	MKPD1K1705K****
8.0	42.5	44.0	24.0	37.5	10.2	1.0	40	15	130	18.1	6.6	MKPD1K1805K****
9.0	42.5	44.0	24.0	37.5	12.7	1.0	40	15	130	16.1	7.5	MKPD1K1905K****
10.0	42.5	44.0	24.0	37.5	12.7	1.0	40	15	130	14.5	8.3	MKPD1K1106K****
12.0	42.5	44.0	24.0	37.5	12.7	1.0	40	15	130	12.1	9.9	MKPD1K1126K****
14.0	42.5	45.0	30.0	37.5	—	1.2	40	15	130	10.4	11.6	MKPD1K1146K****
15.0	42.5	45.0	30.0	37.5	12.7	1.2	40	15	130	9.7	12.4	MKPD1K1156K****
15.0	42.5	45.0	30.0	37.5	20.3	1.2	40	15	130	9.7	12.4	MKPD1K1156K****
15.0	58.0	45.0	28.0	52.5	12.7	1.2	20	27	260	19.3	6.2	MKPD1K1156K****
20.0	57.5	45.0	30.0	52.5	12.7	1.2	20	27	260	14.5	8.3	MKPD1K1206K****
20.0	57.5	45.0	30.0	52.5	20.3	1.2	20	27	260	14.5	8.3	MKPD1K1206K****
25.0	57.5	50.0	35.0	52.5	20.3	1.2	20	27	260	11.6	10.4	MKPD1K1256K****
30.0	57.5	50.0	35.0	52.5	20.3	1.2	20	27	260	9.7	12.4	MKPD1K1306K****
35.0	57.0	55.0	45.0	52.5	20.3	1.2	20	27	260	8.4	14.3	MKPD1K1356K****
40.0	57.0	55.0	45.0	52.5	20.3	1.2	20	27	260	7.8	15.5	MKPD1K1406K****
45.0	57.0	55.0	45.0	52.5	20.3	1.2	20	27	260	6.9	17.4	MKPD1K1456K****
50.0	57.0	65.0	45.0	52.5	20.3	1.2	20	27	260	6.2	19.3	MKPD1K1506K****
55.0	57.0	65.0	45.0	52.5	20.3	1.2	20	27	260	5.6	21.3	MKPD1K1556K****

U _{N,85℃} : 1200VDC												
C _N (μF)	W ± 1.0	H ± 1.0	T ± 1.0	P ± 0.5	P1 ± 0.5	d ± 0.05	dV/dt (V/μs)	tan δ × (10 ⁻⁴)		ESR @10kHz (mΩ)	I _{max} (A)	Part number
								1kHz	10kHz			
1.0	32.0	20.0	11.0	27.5	—	0.8	90	7	55	39.5	3.5	MKPD1K2105K****
2.0	32.0	24.5	15.0	27.5	—	0.8	90	7	55	26.3	5.0	MKPD1K2205K****
3.0	32.0	28.0	18.0	27.5	—	0.8	90	7	55	17.5	7.5	MKPD1K2305K****
4.0	32.0	33.0	18.0	27.5	—	0.8	90	7	55	13.9	9.5	MKPD1K2405K****
5.0	32.0	37.0	22.0	27.5	—	0.8	90	7	55	12.7	10.4	MKPD1K2505K****
5.0	32.0	37.0	22.0	27.5	10.2	0.8	90	7	55	11.1	11.8	MKPD1K2505K****
3.0	41.0	30.0	16.0	37.5	—	1.0	45	13	100	37.2	3.2	MKPD1K2305K****
4.0	41.0	30.0	16.0	37.5	—	1.0	45	13	100	27.9	4.3	MKPD1K2405K****
5.0	41.0	33.5	18.5	37.5	—	1.0	45	13	100	22.3	5.4	MKPD1K2505K****
6.0	41.5	40.0	20.0	37.5	—	1.0	45	13	100	18.6	6.5	MKPD1K2605K****
7.0	42.5	44.0	24.0	37.5	10.2	1.0	45	13	100	15.9	7.5	MKPD1K2705K****
8.0	42.5	44.0	24.0	37.5	12.7	1.0	45	13	100	13.9	8.6	MKPD1K2805K****
9.0	42.5	44.0	24.0	37.5	12.7	1.0	45	13	100	12.4	9.7	MKPD1K2905K****
10.0	42.5	44.0	24.0	37.5	12.7	1.0	45	13	100	11.1	10.8	MKPD1K2106K****



■ 技术参数 Technical Data(mm)

U _{N,85℃} : 1200VDC												
C _N (μF)	W ± 1.0	H ± 1.0	T ± 1.0	P ± 0.5	P1 ± 0.5	d ± 0.05	dV/dt (V/μs)	tan δ × (10 ⁻⁴)		ESR @10kHz (mΩ)	I _{max} (A)	Part number
								1kHz	10kHz			
12.0	42.5	45.0	30.0	37.5	12.7	1.2	45	13	100	9.3	12.9	MKPD1K2126K****
12.0	42.5	45.0	30.0	37.5	20.3	1.2	45	13	100	9.3	12.9	MKPD1K2126K****
12.0	58.0	45.0	28.0	52.5	12.7	1.2	23	24	200	19.9	6.0	MKPD1K2126K****
15.0	58.0	45.0	28.0	52.5	12.7	1.2	23	24	200	15.9	7.5	MKPD1K2156K****
20.0	57.5	45.0	30.0	52.5	12.7	1.2	23	24	200	11.9	10.0	MKPD1K2206K****
20.0	57.5	45.0	30.0	52.5	20.3	1.2	23	24	200	11.9	10.0	MKPD1K2206K****
20.0	57.5	45.0	30.0	52.5	12.7	1.2	23	24	200	11.9	10.0	MKPD1K2206K****
20.0	57.5	45.0	30.0	52.5	20.3	1.2	23	24	200	11.9	10.0	MKPD1K2206K****
25.0	57.5	50.0	35.0	52.5	20.3	1.2	23	24	200	9.6	12.6	MKPD1K2256K****
30.0	57.0	55.0	45.0	52.5	20.3	1.2	23	24	200	8.0	15.1	MKPD1K2306K****
35.0	57.0	55.0	45.0	52.5	20.3	1.2	23	24	200	6.8	17.6	MKPD1K2356K****
40.0	57.0	65.0	45.0	52.5	20.3	1.2	23	24	200	6.0	20.1	MKPD1K2406K****
45.0	57.0	65.0	45.0	52.5	20.3	1.2	23	24	200	5.3	22.6	MKPD1K2456K****

U _{N,85℃} : 1500VDC、1600VDC												
C _N (μF)	W ± 1.0	H ± 1.0	T ± 1.0	P ± 0.5	P1 ± 0.5	d ± 0.05	dV/dt (V/μs)	tan δ × (10 ⁻⁴)		ESR @10kHz (mΩ)	I _{max} (A)	Part number
								1kHz	10kHz			
0.47	32.0	30.0	16.0	27.5	—	0.8	90	6	50	86.0	1.5	MKPD1K6474K****
0.68	32.0	25.0	13.0	27.5	—	0.8	90	7	55	80.0	2.0	MKPD1K6684K****
1	32.0	33.0	18.0	27.5	—	0.8	90	7	55	39.5	3.5	MKPD1K6105K****
1.5	32.0	33.0	18.0	27.5	—	0.8	90	7	55	26.3	5.0	MKPD1K6155K****
2	42.0	33.5	18.5	37.5	—	0.8	90	7	55	18.6	7.5	MKPD1K6205K****
3	42.0	33.5	18.5	37.5	—	0.8	90	7	55	15.9	9.5	MKPD1K6305K****
4	42.0	44.0	24.0	37.5	10.2	1.0	90	7	55	13.9	10.4	MKPD1K6405K****
5	42.0	44.0	24.0	37.5	10.2	1.0	90	7	55	12.4	11.8	MKPD1K6505K****
6	42.0	44.0	24.0	37.5	10.2	1.0	45	13	100	11.1	9.5	MKPD1K6605K****
7	42.0	50.0	35.0	37.5	20.3	1.0	45	13	100	9.3	11.5	MKPD1K6705K****
8	42.0	50.0	35.0	37.5	20.3	1.0	45	13	100	9.2	13.0	MKPD1K6805K****
9	42.0	50.0	35.0	37.5	20.3	1.0	45	13	100	7.4	14.5	MKPD1K6905K****
10	42.0	50.0	35.0	37.5	20.3	1.0	45	13	100	6.6	16.0	MKPD1K6106K****
12	42.0	55.0	40.0	37.5	20.3	1.0	45	13	100	6.0	19.5	MKPD1K6126K****
15	42.0	60.0	45.0	37.5	20.3	1.2	23	13	100	4.8	24.5	MKPD1K6156K****
12	57.0	50.0	30.0	52.5	20.3	1.2	23	24	200	7.2	13.0	MKPD1K6126K****
15	57.0	55.0	45.0	52.5	20.3	1.2	23	24	200	6.0	16.0	MKPD1K6156K****
20	57.0	65.0	45.0	52.5	20.3	1.2	23	24	200	4.5	21.5	MKPD1K6206K****
25	57.0	65.0	45.0	52.5	20.3	1.2	23	24	200	3.8	25.0	MKPD1K6256K****

U _{N,85℃} : 1700VDC、1800VDC												
C _N (μF)	W ± 1.0	H ± 1.0	T ± 1.0	P ± 0.5	P1 ± 0.5	d ± 0.05	dV/dt (V/μs)	tan δ × (10 ⁻⁴)		ESR @10kHz (mΩ)	I _{max} (A)	Part number
								1kHz	10kHz			
0.22	32.0	20.0	11.0	27.5	—	0.8	90	6	50	96.0	1.0	MKPD1K8224K****
0.33	32.0	30.0	12.0	27.5	—	0.8	90	6	50	90.0	1.2	MKPD1K8334K****
0.47	32.0	30.0	12.0	27.5	—	0.8	90	7	55	86.0	1.5	MKPD1K8474K****
0.68	32.0	30.0	14.0	27.5	—	0.8	90	7	55	80.0	2.0	MKPD1K8684K****
1	32.0	33.0	18.0	27.5	—	0.8	90	7	55	39.5	3.5	MKPD1K8105K****
1.5	32.0	33.0	18.0	27.5	—	0.8	90	7	55	26.3	5.0	MKPD1K8155K****
2	42.0	33.5	18.5	37.5	—	1.0	90	7	55	18.6	7.5	MKPD1K8205K****
3	42.0	44.0	24.0	37.5	10.2	1.0	90	7	55	15.9	9.5	MKPD1K8305K****
4	42.0	44.0	24.0	37.5	10.2	1.0	90	7	55	13.9	10.4	MKPD1K8405K****
5	42.0	46.0	25.0	37.5	12.7	1.0	45	13	100	12.4	11.8	MKPD1K8505K****
6	42.0	50.0	30.0	37.5	12.7	1.0	45	13	100	11.1	9.5	MKPD1K8605K****



■ 技术参数 Technical Data(mm)

U _{N,85℃} : 1700VDC、1800VDC												
C _N (μF)	W± 1.0	H± 1.0	T± 1.0	P± 0.5	P1± 0.5	d± 0.05	dV/dt (v/μs)	tan δ × (10 ⁻⁴)		ESR @10kHz (mΩ)	I _{max} (A)	Part number
								1kHz	10kHz			
7	42.0	50.0	35.0	37.5	20.3	1.0	45	13	100	9.3	11.5	MKPDL1K8705K****
8	42.0	55.0	40.0	37.5	20.3	1.0	45	13	100	9.2	13.0	MKPDL1K8805K****
9	42.0	55.0	40.0	37.5	20.3	1.0	45	13	100	7.4	14.5	MKPDL1K8905K****
10	57.0	50.0	30.0	52.5	20.3	1.2	45	13	100	6.6	16.0	MKPDL1K8106K****
12	57.0	55.0	45.0	52.5	20.3	1.2	23	13	100	6.0	17.5	MKPDL1K8126K****
15	57.0	65.0	45.0	52.5	20.3	1.2	23	12	100	5.5	19.0	MKPDL1K8156K****

U _{N,85℃} : 1900VDC、2000VDC												
C _N (μF)	W± 1.0	H± 1.0	T± 1.0	P± 0.5	P1± 0.5	d± 0.05	dV/dt (v/μs)	tan δ × (10 ⁻⁴)		ESR @10kHz (mΩ)	I _{max} (A)	Part number
								1kHz	10kHz			
0.22	32.0	20.0	11.0	27.5	—	0.8	90	6	50	96.0	1.2	MKPDL2K0224K****
0.33	32.0	30.0	12.0	27.5	—	0.8	90	6	50	90.0	1.4	MKPDL2K0334K****
0.47	32.0	30.0	12.0	27.5	—	0.8	90	7	55	86.0	1.6	MKPDL2K0474K****
0.68	32.0	30.0	14.0	27.5	—	0.8	90	7	55	80.0	2.1	MKPDL2K0684K****
1	32.0	33.0	18.0	27.5	—	0.8	90	7	55	39.5	3.6	MKPDL2K0105K****
1.5	32.0	36.0	20.0	27.5	—	0.8	90	7	55	26.3	5.2	MKPDL2K0155K****
2	42.0	40.0	20.0	37.5	—	1.0	90	7	55	18.6	7.8	MKPDL2K0205K****
3	42.0	44.0	24.0	37.5	10.2	1.0	90	7	55	15.9	9.6	MKPDL2K0305K****
4	42.0	46.0	25.0	37.5	12.7	1.0	90	7	55	13.9	10.5	MKPDL2K0405K****
5	42.0	50.0	30.0	37.5	12.7	1.0	45	13	100	12.4	12.0	MKPDL2K0505K****
6	42.0	55.0	30.0	37.5	20.3	1.0	45	13	100	11.1	9.8	MKPDL2K0605K****
7	42.0	55.0	40.0	37.5	20.3	1.0	45	13	100	9.3	11.6	MKPDL2K0705K****
8	42.0	55.0	40.0	37.5	20.3	1.0	45	13	100	9.2	13.2	MKPDL2K0805K****
9	57.0	55.0	45.0	52.5	20.3	1.0	45	13	100	7.4	14.7	MKPDL2K0905K****
10	57.0	55.0	45.0	52.5	20.3	1.2	45	13	100	6.6	15.5	MKPDL2K0106K****
12	57.0	65.0	45.0	52.5	20.3	1.2	23	13	100	6.0	18.0	MKPDL2K0126K****

U _{N,85℃} : 2500VDC、2700VDC、2800VDC、3000VDC												
C _N (μF)	W± 1.0	H± 1.0	T± 1.0	P± 0.5	P1± 0.5	d± 0.05	dV/dt (v/μs)	tan δ × (10 ⁻⁴)		ESR @10kHz (mΩ)	I _{max} (A)	Part number
								1kHz	10kHz			
0.1	32.0	20.0	11.0	27.5	—	0.8	90	6	50	96.0	1.0	MKPDL3K0104K****
0.22	32.0	30.0	12.0	27.5	—	0.8	90	6	50	90.0	1.2	MKPDL3K0224K****
0.33	32.0	30.0	14.0	27.5	—	0.8	90	7	55	86.0	1.4	MKPDL3K0334K****
0.47	32.0	30.0	18.0	27.5	—	0.8	90	7	55	80.0	1.9	MKPDL3K0474K****
0.68	32.0	36.0	20.0	27.5	—	0.8	90	7	55	39.5	2.7	MKPDL3K0684K****
1	32.0	40.0	20.0	27.5	—	0.8	90	7	55	26.3	3.8	MKPDL3K0105K****
1.5	42.0	44.0	24.0	37.5	10.2	1.0	90	7	55	18.6	5.7	MKPDL3K0155K****
2	42.0	46.0	25.0	37.5	12.7	1.0	90	7	55	15.9	7.6	MKPDL3K0205K****
3	42.0	55.0	30.0	37.5	20.3	1.0	90	7	55	13.9	10.3	MKPDL3K0305K****
4	57.0	50.0	30.0	52.5	20.3	1.0	45	13	100	12.4	10.8	MKPDL3K0405K****
5	57.0	55.0	45.0	52.5	20.3	1.0	45	13	100	11.1	11.2	MKPDL3K0505K****
6	57.0	55.0	45.0	52.5	20.3	1.0	45	13	100	9.3	11.6	MKPDL3K0605K****
7	57.0	55.0	45.0	52.5	20.3	1.2	45	13	100	9.2	12.5	MKPDL3K0705K****
8	57.0	65.0	45.0	52.5	20.3	1.2	45	13	100	7.4	13.4	MKPDL3K0805K****

备注 Note:

"I_{max}" 是在 f = 10kHz, θ_{amb} = 70°C, Δθ_{case} = 15.0°C 的最大电流有效值。 "I_{max}" = Maximum r.m.s current at 10kHz, θ_{amb} = 70°C, Δθ_{case} = 15.0°C.