



MKPD-MC

直流母线电容



应用 / Application

- 广泛应用于DC-LINK电路中，作滤波储能用；
- 能替代电解电容，性能更优，寿命更长；
- 风能发电，光伏发电用逆变器；各种变频器；电动汽车及混合动力车；SVG、电焊机、电源设备。

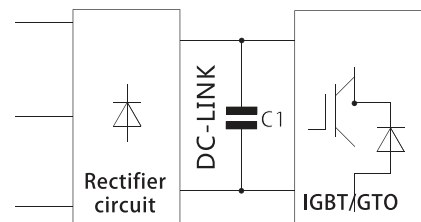
- Widely used in DC-LINK circuit for filtering energy storage;
- Can replace electrolytic capacitors, better performance and longer life;
- Wind power, photovoltaic power inverter; electric vehicles and hybrid vehicles; SVG, welding equipment, power supplies equipment, for the DC link filter.

产品特点 / Introduction

- 铝外壳封装，高温高导填充料注塑；
- 铜螺母、铜螺杆引出，安装简单方便，阻燃定位盖绝缘；
- 容值高，体积小，耐压高，自愈性强；
- 大纹波电流，大DV/DT承受力。

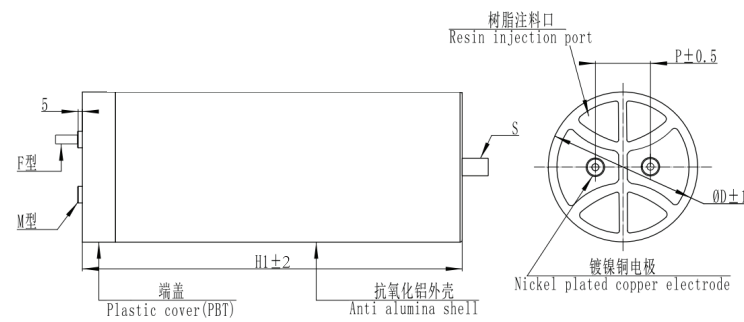
- Aluminum housing package, high temperature and high conductive filler injection molding;
- Copper nut, copper screw extraction, installation is simple and convenient, flame retardant positioning cover insulation;
- High capacitance, small size, high pressure level, self healing;
- Large ripple current, DV/DT bearing capacity.

典型应用电路 / Typical Circuit



外形图 / Outline Drawing

外形尺寸 Outline dimension							Unit:mm	
ΦD	76	86	86	96	116	136		
P	32	32	45	45	50	50		
S	M12*16	M12*16	M12*16	M12*16	M16*25	M16*25		
M螺母	M6*10	M6*10	M6*10	M6*10	M6*10	M6*10		
F螺杆	M8*20	M8*20	M8*20	M8*20	M8*20	M8*20		



技术参数 / Technical Data

执行标准 Implemented standard	GB/T 17702、IEC61071
气候等级 Climatic category	40/85/21
额定电压 (Un) Rated Voltage	450V.DC~4000V.DC
容量范围 (Cn) Capacitance range	10 μF~8800 μF
容量偏差 Capacitance tolerance	±5%(J)、±10% (K)
耐电压 Withstand voltage	
极间 between terminals	1.5Un(VDC)/60S
极壳 between terminals and case	2Ui+1000V.AC60S
绝缘电阻 Insulation resistance	RixCn ≥ 10000S(100VDC, 10S@50Hz)

常用规格 / Dimension

Un 450V.DC

Cn (μF)	φD (mm±1)	H (mm±2)	ESL (nH)	dv/dt (V/μS)	Ip(KA)	Is(KA)	Irms(A)	ESR (mΩ @1KHz)	Rth (K/W)	P (mm)	weight (Kg)	Part number
380	76	75	50	10	3.8	11.4	45	2.2	4.5	32	0.5	DMC0387K00450*****
500	76	100	40	8	4.0	12.0	65	1.5	3.2	32	0.6	DMC0507K00450*****
750	76	130	50	5	3.8	11.3	65	1.6	3.0	32	0.75	DMC0757K00450*****
1000	86	130	50	5	5.0	15.0	70	1.5	2.7	32	1.1	DMC0108K00450*****
650	86	100	40	5	3.3	9.8	75	1.2	3.0	32	0.9	DMC0657K00450*****
1250	96	130	50	4	5.0	15.0	80	1	3.1	45	1.2	DMC1258K00450*****
1800	116	130	50	4	7.2	21.6	85	0.8	3.5	50	1.6	DMC0188K00450*****
1450	86	190	60	4	5.8	17.4	90	0.9	2.7	32	1.55	DMC1458K00450*****
2700	116	190	60	3	8.1	24.3	100	0.8	2.5	50	2.45	DMC0278K00450*****



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常用规格 / Dimension

Un 600V.DC

Cn (μF)	φD (mm±1)	H (mm±2)	ESL (nH)	dv/dt (V/μS)	Ip(KA)	Is(KA)	Irms(A)	ESR (mΩ @1KHz)	Rth (K/W)	P (mm)	weight (Kg)	Part number
250	76	75	40	15	3.8	11.3	40	3.1	4.0	32	0.5	DMC0257K00600*****
320	76	100	45	10	3.2	9.6	40	2.2	5.7	32	0.6	DMC0327K00600*****
470	76	130	50	12	5.6	16.9	60	1.8	3.1	32	0.75	DMC0477K00600*****
330	86	75	40	15	5.0	14.9	45	2.4	4.1	32	0.8	DMC0337K00600*****
600	86	120	45	12	7.2	21.6	60	1.3	4.3	32	1.05	DMC0607K00600*****
650	86	130	50	12	7.8	23.4	70	1.2	3.4	32	1.1	DMC0657K00600*****
650	86	95	45	15	9.8	29.3	65	1.2	3.9	32	0.85	DMC0657K00600*****
1000	86	180	50	8	8	32.0	70	1.5	2.7	32	1.5	DMC0108K00600*****
420	96	75	45	15	6.3	18.9	50	2	4.0	45	0.75	DMC0427K00600*****
800	96	130	50	12	9.6	28.8	75	1.5	2.4	45	1.2	DMC0807K00600*****
950	116	100	45	10	9.5	28.5	90	1.2	2.1	50	1.25	DMC0957K00600*****
1200	116	130	50	8	9.6	28.8	80	1.2	2.6	50	1.6	DMC0128K00600*****
1800	116	180	80	8	14.4	43.2	80	1.2	2.6	50	2.4	DMC0188K00600*****
2700	116	260	80	5	13.5	40.5	100	0.9	2.2	50	3.2	DMC0278K00600*****
2500	136	180	60	5	12.5	37.5	100	0.8	2.5	50	3.7	DMC0258K00600*****
3750	136	260	80	4	15.0	45.0	115	0.7	2.2	50	4.7	DMC3758K00600*****

Un 700V.DC

Cn (μF)	φD (mm±1)	H (mm±2)	ESL (nH)	dv/dt (V/μS)	Ip(KA)	Is(KA)	Irms(A)	ESR (mΩ @1KHz)	Rth (K/W)	P (mm)	weight (Kg)	Part number
200	76	75	40	15	3.0	9.0	40	4	3.1	32	0.5	DMC0207K00700*****
400	76	130	45	15	6.0	18.0	60	2	2.8	32	0.75	DMC0407K00700*****
420	76	130	50	15	6.3	18.9	60	2	2.8	32	0.75	DMC0427K00700*****
600	86	125	50	15	9.0	27.0	45	3.2	3.1	32	1.05	DMC0607K00700*****
550	86	130	50	12	6.6	19.8	65	1.8	2.6	32	1.1	DMC0557K00700*****
680	96	130	45	12	8.2	24.5	75	1.5	2.4	45	1.2	DMC0687K00700*****
720	96	125	45	12	8.6	25.9	55	2.6	2.5	45	1.15	DMC0727K00700*****
1000	116	130	50	10	10.0	30.0	80	1	3.1	50	1.6	DMC0108K00700*****
1000	96	180	60	10	10.0	30.0	75	1.2	3.0	45	1.6	DMC0108K00700*****
1500	116	180	60	7	10.5	31.5	85	0.9	3.1	50	2.4	DMC0158K00700*****
2000	116	230	70	7	14.0	42.0	85	0.8	3.5	50	3	DMC0208K00700*****
2000	136	180	60	7	14.0	42.0	90	0.75	3.3	50	3.7	DMC0208K00700*****
3000	136	230	70	5	15.0	45.0	100	0.7	2.9	50	4.2	DMC0308K00700*****
3300	136	260	70	5	16.5	49.5	120	0.6	2.3	50	4.7	DMC0338K00700*****

Un 800V.DC

Cn (μF)	φD (mm±1)	H (mm±2)	ESL (nH)	dv/dt (V/μS)	Ip(KA)	Is(KA)	Irms(A)	ESR (mΩ @1KHz)	Rth (K/W)	P (mm)	weight (Kg)	Part number
110	86	80	45	20	2.2	6.6	75	2	1.8	32	0.8	DMC0117K00800*****
150	86	95	45	20	3.0	9.0	80	1.5	2.1	32	0.85	DMC0157K00800*****
250	86	75	45	15	3.8	11.3	45	3.1	3.2	32	0.8	DMC0257K00800*****
360	86	130	55	12	4.3	13.0	65	2.2	2.2	32	1.1	DMC0367K00800*****
470	86	130	45	12	5.6	16.9	70	2.8	1.5	32	1.1	DMC0477K00800*****
600	96	130	55	10	6.0	18.0	75	2.2	1.6	45	1.2	DMC0607K00800*****
730	86	180	60	10	7.3	21.9	75	1.8	2.3	32	1.5	DMC0737K00800*****
750	86	180	60	12	9.0	27.0	75	1.8	2.0	32	1.5	DMC0757K00800*****
1000	96	180	60	10	10.0	30.0	75	1.3	2.7	45	1.6	DMC0108K00800*****
900	116	130	55	8	7.2	21.6	80	1.4	2.2	50	1.6	DMC0907K00800*****
1400	116	180	65	7	9.8	29.4	80	0.9	3.5	50	2.4	DMC0148K00800*****
1000	116	125	50	7	7.0	21.0	70	1.4	2.9	50	1.55	DMC0108K00800*****
2000	116	230	70	5	10.0	30.0	85	0.9	3.1	50	3	DMC0208K00800*****
2800	136	230	70	5	14.0	42.0	100	0.8	2.5	50	4.2	DMC0288K00800*****