

# 交流滤波电容

## AC Filter Capacitor



### MKPA-MC Series

#### 应用 / Application

- 广泛应用于电力电子设备中作交流滤波用；  
Widely used in power electronic equipment used for the AC filter.
- 在大功率UPS,开关电源,变频器等设备中作交流滤波,治理谐波及提高功率因数。  
In the high-power UPS,switching power supply ,inverter and other equipment for the AC filter,harmonics and improve power factor control.

典型应用电路 / Typical Circuit

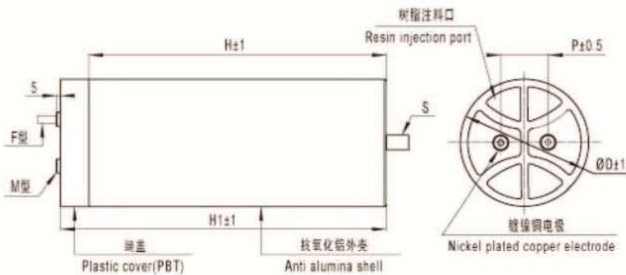


AC Filter Capacitance(C)

#### 特点 / Introduction

- 铝外壳封装, 高温高导填充料注塑;  
Aluminum housing package, high temperature and high conductive filler injection molding;
- 铜螺母、铜螺杆引出, 安装简单方便, 阻燃定位盖绝缘;  
Copper nut, copper screw extraction, installation is simple and convenient, flame retardant positioning cover insulation;
- 容值高, 体积小, 高耐压水平, 自愈性强;  
High capacitance, small size, high pressure level, self healing;
- 大纹波电流, DV/DT承受能力。  
Large ripple current, DV/DT bearing capacity.

#### 外形图 / Outline Drawing



#### 技术参数 / Technical Data

执行标准 Implemented Standard	GB/T 17702、IEC61071
认证标准 Certification Standards	UL810,Capacitors
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	单相10 μ F-8800 μ F
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	1000+2xUn/√2V.AC 60S
绝缘电阻 Insulation Resisitance	≥10000S(100VDC,10S at 50Hz)

#### 常用规格 / Dimension

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	M12*25	M12*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

规格参数 Specification Parameter

Un(V.AC)	Cn(μ F)	ΦD(mm)	H1(mm)	ESR(m Ω)	DV/DT (V/μ S)	Irms(A) @40℃
230	≤4000	76-136	80-350	≤5	3-200	50-120
250	≤3200	76-136	80-350	≤5	3-200	50-120
300	≤2400	76-136	80-350	≤5	3-200	50-120
350	≤3200	76-136	80-350	≤5	3-200	50-120
380	≤1400	76-136	80-350	≤5	3-200	50-120
400	≤1200	76-136	80-350	≤5	3-200	50-120
450	≤1000	76-136	80-350	≤5	3-200	50-120
500	≤800	76-136	80-350	≤5	3-200	50-120
525	≤720	76-136	80-350	≤5	3-200	50-120
540	≤720	76-136	80-350	≤5	3-200	50-120
600	≤560	76-136	80-350	≤5	3-200	50-120
690	≤400	76-136	80-350	≤5	3-200	50-120
700	≤400	76-136	80-350	≤5	3-200	50-120
800	≤300	76-136	80-350	≤5	3-200	50-120
850	≤250	76-136	80-350	≤5	3-200	50-120
900	≤250	76-136	80-350	≤5	3-200	50-120
1000	≤180	76-136	80-350	≤5	3-200	50-120
1200	≤140	76-136	80-350	≤5	3-200	50-120
1400	≤100	76-136	80-350	≤5	3-200	50-120
1700	≤60	76-136	80-350	≤5	3-200	50-120
1800	≤60	76-136	80-350	≤5	3-200	50-120
2000	≤40	76-136	80-350	≤5	3-200	50-120

# 交流滤波电容

## AC Filter Capacitor



### MKPA-MS Series

#### 应用 / Application

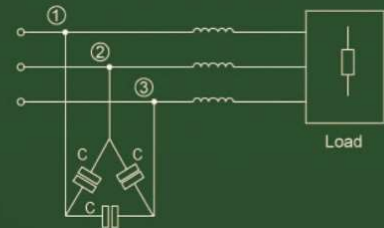
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In the high-power UPS,switching power supply ,inverter and other equipment for the AC filter,harmonics and improve power factor control.

#### 典型应用电路 / Typical Circuit



AC Filter Capacitance(C)

#### 特点 / Introduction

● 铝外壳封装, 高温高导填充料注塑；

Aluminum housing package, high temperature and high conductive filler injection molding;

● 铜螺母、铜螺杆引出, 安装简单方便, 阻燃定位盖绝缘；

Copper nut, copper screw extraction, installation is simple and convenient, flame retardant positioning cover insulation;

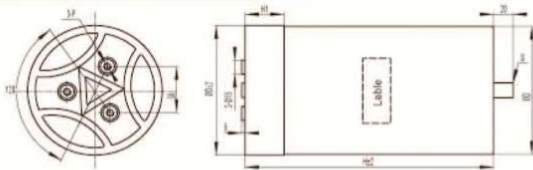
● 容值高, 体积小, 高耐压水平, 自愈性强；

High capacitance, small size, high pressure level, self healing;

● 大纹波电流, DV/DT承受能力。

Large ripple current, DV/DT bearing capacity.

#### 外形图 / Outline Drawing



外形类型描述 Type Description					
ΦD(mm)	P(mm)	H1(mm)	S(mm)	F(mm)	
116	50	40	M16*25	M6*10	M8*20
136	50	40	M16*25	M6*10	M8*20

#### 技术参数 / Technical Data

执行标准 Implemented Standard	GB/T 17702、IEC60831
认证标准 Certification Standards	UL810,Capacitors
气候等级 Climatic Category	40/85/21
额定电压 (Un) Rated Voltage	400V.AC~1700V.AC ( 50Hz)
容量范围 (Cn) Capacitance Range	3*10 μ F~3*300 μ F
容量偏差 Capacitance Tolerance	±5%(J)、±10% ( K )
耐电压 Withstand Voltage	
极间 Between Terminals	2.15Un(VDC)/60S
极壳 Between Terminals And Case	1000+2xUnV.AC 60S
绝缘电阻 Insulation Resistance	≥10000S(100VDC,10S at 50Hz)

#### 常用规格 / Dimension

Cn (μ F)	Dimension(mm)		ESL (nH)	ESR (m Ω)	Ipk(A)	Is(A)	Imax(A)	Rth (K/W)
	ΦD	L						
Un 400V.AC Us 1200V								
3*20	116	110	40	3.8	1400	4200	3*40	3.7
3*110	116	130	43	2	4400	13200	3*50	6
3*145	116	180	60	1.9	4350	13050	3*60	4.4
3*175	116	210	70	1.8	3500	10500	3*65	3.9
3*200	136	230	77	1.75	3000	9000	3*75	3.1
Un 450V.AC Us 1350V								
3*150	116	230	77	1.9	4500	13500	3*60	4.4
3*200	136	230	77	1.8	3200	9600	3*75	3.1
3*225	136	255	85	1.8	3375	10125	3*75	3
3*300	136	275	92	1.75	3600	10800	3*80	2.7
Un 500V.AC Us 1500V								
3*100	116	180	60	2.2	4000	12000	3*45	6.7
3*120	116	230	77	2	4200	12600	3*50	6
3*125	136	180	60	1.9	3750	11250	3*65	3.7
3*135	136	230	77	1.8	3375	10125	3*75	2.9
Un 540V.AC Us 1620V								
3*120	136	185	62	2	4800	14400	3*65	3.6
Un 690V.AC Us 2070V								
3*49	116	230	77	3.5	2450	7350	3*50	3.4
3*55.7	136	230	77	3.4	2785	8355	3*55	2.9
Un 750V.AC Us 2250V								
3*47	136	230	77	3.6	2350	7050	3*55	2.8
Un 850V.AC Us 2550V								
3*41.9	116	230	77	3.7	2305	11525	3*50	3.2
3*55.7	136	250	83	3.4	3064	9192	3*60	2.5
Un 1200V.AC Us 3600V								
3*22	136	250	83	3.8	1540	4620	3*45	3.9
Un 1700V.AC Us 5100V								
3*22	136	350	117	3.9	1650	4950	3*50	3.1