

## 双面金属化聚丙烯膜电容器

## ■ 结构

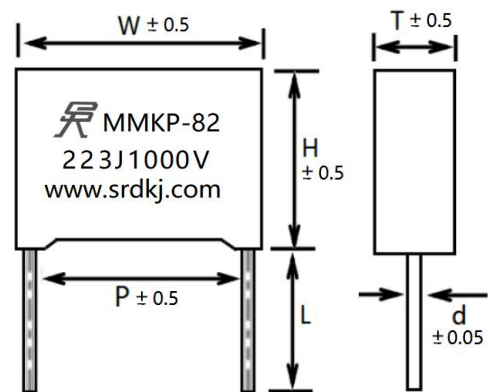
- 介质：聚丙烯膜
- 电极：特殊工艺金属真空蒸发层
- 封装：塑胶外壳（UL94 V-0）阻燃环氧树脂封装

## ■ 典型应用

- 广泛应用于高压高频脉冲电路及变频器的谐振电路中
- 适用于 LED 驱动高效电路和开关电源高效电路中
- 吸收和 SCR 整流电路中

## ■ 特点

- 高频损耗小、内部温升低；负电容量温度系数



## ■ 符合 RoHS 标准

## ■ 技术参数

引用标准	GB/T10190 (IEC 60384-16)					
气候类别	40/105/56					
额定温度	85℃					
工作温度范围	-40℃~105℃ (+85℃ to +105℃: Decreasing Factor 1.25% per °C for $U_R$ )					
额定电压	630Vdc、1000Vdc、1600Vdc、2000Vdc					
电容量范围	0.001μF ~ 1.0μF					
电容量偏差	J (±5%)、K (±10%)					
耐电压	1.6 $U_R$ (5s)					
损耗角	≤0.0010 (1kHz)			20℃, 1V		
绝缘电阻	$C_R \leq 0.33\mu F$ , $R \geq 25000 M\Omega$ $C_R > 0.33\mu F$ , $RC \geq 7500S$			$U_R \leq 500V$ , test voltage:100V, $U_R > 500V$ , test voltage:500V (20℃, 1min)		
最大脉冲爬升速率	$U_R(V)$	dv/dt (V/μs)				
		P=10	P=15	P=22.5	P=27.5	
		630	3200	2500	1500	900
		1000	6000	3300	2100	1000
		1600	---	6000	3000	2000
	2000	---	10000	5000	2200	
注：可根据客户使用定制容量产品，具体参数依据承认书资料为准。						

## 双面金属化聚丙烯膜电容器

### ■ 产品编码说明

15 位产品代码如下：

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

C 8 2 2 2 3 J 2 J D 3 R 8 A 0

第 1~3 位	型号代码：C82=MMKP-82
第 4~6 位	标称容量：223=22x10 <sup>3</sup> pF=0.022μF
第 7 位	容量偏差：J=±5%、K=±10%、M= ±20%
第 8~9 位	直流额定电压： 2J=630V、3A=1000V、3C=1600V、3D=2000V
第 10~11 位	外形尺寸代码：见外形尺寸对照表
第 12 位	颜色代码：R - 灰色; X - 黄色
第 13 位	线径代码：6=0.6、8=0.8
第 14~15 位	内部识别码

### ■ 外形尺寸 (mm) (额定电压：630VDC)

μF	Part Number	W	T	H	P	d	μF	Part Number	W	T	H	P	d
0.001	C82102J2JC2R600	13	5	11	10	0.6	0.047	C82473J2JD2R8A0	18	6	12	15	0.8
0.0012	C82122J2JC2R600	13	5	11	10	0.6	0.047	C82473J2JD3R8A0	18	7.5	13.5	15	0.8
0.0015	C82152J2JC2R600	13	5	11	10	0.6	0.056	C82563J2JD3R8A0	18	7.5	13.5	15	0.8
0.0018	C82182J2JC2R600	13	5	11	10	0.6	0.068	C82683J2JD4R8A0	18	8.4	14.5	15	0.8
0.0022	C82222J2JC2R600	13	5	11	10	0.6	0.082	C82823J2JD4R8A0	18	8.4	14.5	15	0.8
0.0027	C82272J2JC2R600	13	5	11	10	0.6	0.1	C82104J2JD6R8A0	18	10	15.8	15	0.8
0.0033	C82332J2JC2R600	13	5	11	10	0.6	0.12	C82124J2JD8R8A0	18	11.2	19.2	15	0.8
0.0039	C82392J2JC2R600	13	5	11	10	0.6	0.12	C82124J2JE2R8A0	26.5	7	16.5	22.5	0.8
0.0047	C82472J2JC2R600	13	5	11	10	0.6	0.15	C82154J2JE3R8A0	26.5	8.5	17	22.5	0.8
0.0056	C82562J2JC2R600	13	5	11	10	0.6	0.18	C82184J2JE3R8A0	26.5	8.5	17	22.5	0.8
0.0068	C82682J2JC2R600	13	5	11	10	0.6	0.22	C82224J2JE4R8A0	26.5	10	19	22.5	0.8
0.0082	C82822J2JC2R600	13	5	11	10	0.6	0.27	C82274J2JE5R8A0	26.5	11	20	22.5	0.8
0.01	C82103J2JC2R600	13	5	11	10	0.6	0.33	C82334J2JE6R8A0	26.5	12	21.5	22.5	0.8
0.01	C82103J2JD2R8A0	18	6	12	15	0.8	0.33	C82334J2JF1R8A0	31.5	10.8	19.5	27.5	0.8
0.012	C82123J2JD2R8A0	18	6	12	15	0.8	0.39	C82394J2JE6R8A0	26.5	12	21.5	22.5	0.8
0.015	C82153J2JD2R8A0	18	6	12	15	0.8	0.39	C82394J2JF1R8A0	31.5	10.8	19.5	27.5	0.8
0.018	C82183J2JD2R8A0	18	6	12	15	0.8	0.47	C82474J2JF2R8A0	31.5	13	21.6	27.5	0.8
0.022	C82223J2JD2R8A0	18	6	12	15	0.8	0.56	C82564J2JF2R8A0	31.5	13	21.6	27.5	0.8
0.027	C82273J2JD2R8A0	18	6	12	15	0.8	0.68	C82684J2JF3R8A0	31	14	25	27.5	0.8
0.033	C82333J2JD2R8A0	18	6	12	15	0.8	0.82	C82824J2JF4R8A0	31.5	16	25.5	27.5	0.8
0.039	C82393J2JD2R8A0	18	6	12	15	0.8	1.0	C82105J2JF6R8A0	31.5	18	33	27.5	0.8

## 双面金属化聚丙烯膜电容器

## ■ 外形尺寸 (mm) (额定电压: 1000VDC)

$\mu F$	Part Number	W	T	H	P	d	$\mu F$	Part Number	W	T	H	P	d
0.001	C82102J3AC2R600	13	5	11	10	0.6	0.047	C82473J3AD8R8A0	18	11.2	19.2	15	0.8
0.0012	C82122J3AC2R600	13	5	11	10	0.6	0.047	C82473J3AE2R8A0	26.5	7	16.5	22.5	0.8
0.0015	C82152J3AC2R600	13	5	11	10	0.6	0.047	C82473J3AE3R8A0	26.5	8.5	17	22.5	0.8
0.0018	C82182J3AC2R600	13	5	11	10	0.6	0.056	C82563J3AD8R8A0	18	11.2	19.2	15	0.8
0.0022	C82222J3AC2R600	13	5	11	10	0.6	0.056	C82563J3AE2R8A0	26.5	7	16.5	22.5	0.8
0.0027	C82272J3AC2R600	13	5	11	10	0.6	0.068	C82683J3AE3R8A0	26.5	8.5	17	22.5	0.8
0.0033	C82332J3AC2R600	13	5	11	10	0.6	0.068	C82683J3AE4R8A0	26.5	10	19	22.5	0.8
0.0039	C82392J3AC2R600	13	5	11	10	0.6	0.082	C82823J3AE4R8A0	26.5	10	19	22.5	0.8
0.0047	C82472J3AC2R600	13	5	11	10	0.6	0.1	C82104J3AE4R8A0	26.5	10	19	22.5	0.8
0.0056	C82562J3AC2R600	13	5	11	10	0.6	0.1	C82104J3AF1R8A0	31.5	10.8	19.5	27.5	0.8
0.0068	C82682J3AC2R600	13	5	11	10	0.6	0.12	C82124J3AE5R8A0	26.5	11	20	22.5	0.8
0.0082	C82822J3AC2R600	13	5	11	10	0.6	0.12	C82124J3AF1R8A0	31.5	10.8	19.5	27.5	0.8
0.0082	C82822J3AD2R5A0	18	6	12	15	0.8	0.15	C82154J3AE6R8A0	26.0	12	21.5	22.5	0.8
0.01	C82103J3AC2R600	13	5	11	10	0.6	0.15	C82154J3AF1R8A0	31.5	10.8	19.5	27.5	0.8
0.01	C82103J3AD2R8A0	18	6	12	15	0.8	0.18	C82184J3AF2R8A0	31.5	13	21.6	27.5	0.8
0.012	C82123J3AD2R8A0	18	6	12	15	0.8	0.22	C82224J3AF2R8A0	31.5	13	21.6	27.5	0.8
0.015	C82153J3AD2R8A0	18	6	12	15	0.8	0.27	C82274J3AF3R8A0	31	14	25	27.5	0.8
0.018	C82183J3AD3R8A0	18	7.5	13.5	15	0.8	0.33	C82334J3AF4R8A0	31.5	16	25.5	27.5	0.8
0.022	C82223J3AD3R8A0	18	7.5	13.5	15	0.8	0.39	C82394J3AF5R8A0	31.5	16	30	27.5	0.8
0.027	C82273J3AD4R8A0	18	8.4	14.5	15	0.8	0.39	C82394J3AF6R8A0	31.5	18	33	27.5	0.8
0.033	C82333J3AD4R8A0	18	8.4	14.5	15	0.8	0.47	C82474J3AF9R8A0	31.5	18	28	27.5	0.8
0.039	C82393J3AD6R8A0	18	10	15.8	15	0.8	0.47	C82474J3AF6R8A0	31.5	18	33	27.5	0.8

## ■ 外形尺寸 (mm) (额定电压: 1600VDC)

$\mu F$	Part Number	W	T	H	P	d	$\mu F$	Part Number	W	T	H	P	d
0.001	C82102J3CD2R8A0	18	6	12	15	0.8	0.0082	C82822J3CD2R8A0	18	6	12	15	0.8
0.0012	C82122J3CD2R8A0	18	6	12	15	0.8	0.01	C82103J3CD2R8A0	18	6	12	15	0.8
0.0015	C82152J3CD2R8A0	18	6	12	15	0.8	0.012	C82123J3CD3R8A0	18	7.5	13.5	15	0.8
0.0018	C82182J3CD2R8A0	18	6	12	15	0.8	0.015	C82153J3CD3R8A0	18	7.5	13.5	15	0.8
0.0022	C82222J3CD2R8A0	18	6	12	15	0.8	0.018	C82183J3CD4R8A0	18	8.4	14.5	15	0.8
0.0027	C82272J3CD2R8A0	18	6	12	15	0.8	0.022	C82223J3CD4R8A0	18	8.4	14.5	15	0.8
0.0033	C82332J3CD2R8A0	18	6	12	15	0.8	0.027	C82273J3CD6R8A0	18	10	15.8	15	0.8
0.0039	C82392J3CD2R8A0	18	6	12	15	0.8	0.027	C82273J3CE2R8A0	26.5	7	16.5	22.5	0.8
0.0047	C82472J3CD2R8A0	18	6	12	15	0.8	0.033	C82333J3CD8R8A0	18	11.2	19.2	15	0.8
0.0056	C82562J3CD2R8A0	18	6	12	15	0.8	0.033	C82333J3CE2R8A0	26.5	7	16.5	22.5	0.8
0.0068	C82682J3CD2R8A0	18	6	12	15	0.8	0.039	C82393J3CE3R8A0	26.5	8.5	17	22.5	0.8

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## ■ 外形尺寸 (mm) (额定电压: 1600VDC)

$\mu F$	Part Number	W	T	H	P	d	$\mu F$	Part Number	W	T	H	P	d
0.047	C82473J3CE4R8A0	26.5	10	19	22.5	0.8	0.12	C82124J3CF2R8A0	31.5	13	21.6	27.5	0.8
0.056	C82563J3CE4R8A0	26.5	10	19	22.5	0.8	0.15	C82154J3CF3R8A0	31	14	25	27.5	0.8
0.068	C82683J3CE5R8A0	26.5	11	20	22.5	0.8	0.18	C82184J3CF3R8A0	31	14	25	27.5	0.8
0.082	C82823J3CE6R8A0	26.0	12	21.5	22.5	0.8	0.22	C82224J3CF5R8A0	31.5	16	30	27.5	0.8
0.082	C82823J3CF1R8A0	31.5	10.8	19.5	27.5	0.8	0.22	C82224J3CF6R8A0	31.5	18	33	27.5	0.8
0.1	C82104J3CE7R8A0	26.5	13	23	22.5	0.8	0.27	C82274J3CF6R8A0	31.5	18	33	27.5	0.8
0.1	C82104J3CF1R8A0	31.5	10.8	19.5	27.5	0.8	0.33	C82334J3CF6R8A0	31.5	18	33	27.5	0.8

## ■ 外形尺寸 (mm) (额定电压: 2000VDC)

$\mu F$	Part Number	W	T	H	P	d	$\mu F$	Part Number	W	T	H	P	d
0.001	C82102J3DD2R8A0	18	6	12	15	0.8	0.018	C82183J3DE2R8A0	26.5	7	16.5	22.5	0.8
0.0012	C82122J3DD2R8A0	18	6	12	15	0.8	0.022	C82223J3DE3R8A0	26.5	8.5	17	22.5	0.8
0.0015	C82152J3DD2R8A0	18	6	12	15	0.8	0.027	C82273J3DE4R8A0	26.5	10	19	22.5	0.8
0.0018	C82182J3DD2R8A0	18	6	12	15	0.8	0.033	C82333J3DE4R8A0	26.5	10	19	22.5	0.8
0.0022	C82222J3DD2R8A0	18	6	12	15	0.8	0.039	C82393J3DE5R8A0	26.5	11	20	22.5	0.8
0.0027	C82272J3DD2R8A0	18	6	12	15	0.8	0.039	C82393J3DF1R8A0	31.5	10.8	19.5	27.5	0.8
0.0033	C82332J3DD2R8A0	18	6	12	15	0.8	0.047	C82473J3DE6R8A0	26.0	12	21.5	22.5	0.8
0.0039	C82392J3DD2R8A0	18	6	12	15	0.8	0.047	C82473J3DF1R8A0	31.5	10.8	19.5	27.5	0.8
0.0047	C82472J3DD2R8A0	18	6	12	15	0.8	0.056	C82563J3DF2R8A0	31.5	13	21.6	27.5	0.8
0.0056	C82562J3DD3R8A0	18	7.5	13.5	15	0.8	0.068	C82683J3DF2R8A0	31.5	13	21.6	27.5	0.8
0.0068	C82682J3DD3R8A0	18	7.5	13.5	15	0.8	0.082	C82823J3DF3R8A0	31	14	25	27.5	0.8
0.0082	C82822J3DD4R8A0	18	8.4	14.5	15	0.8	0.1	C82104J3DF4R8A0	31.5	16	25.5	27.5	0.8
0.01	C82103J3DD6R8A0	18	10	15.8	15	0.8	0.12	C82124J3DF4R8A0	31.5	16	25.5	27.5	0.8
0.012	C82123J3DD6R8A0	18	10	15.8	15	0.8	0.12	C82124J3DF6R8A0	31.5	18	33	27.5	0.8
0.015	C82153J3DD8R8A0	18	11.2	19.2	15	0.8	0.15	C82154J3DF5R8A0	31.5	16	30	27.5	0.8
0.015	C82153J3DE2R8A0	26.5	7	16.5	22.5	0.8	0.15	C82154J3DF6R8A0	31.5	18	33	27.5	0.8