

金属化聚丙烯膜电容器（盒装型）

■ 结构

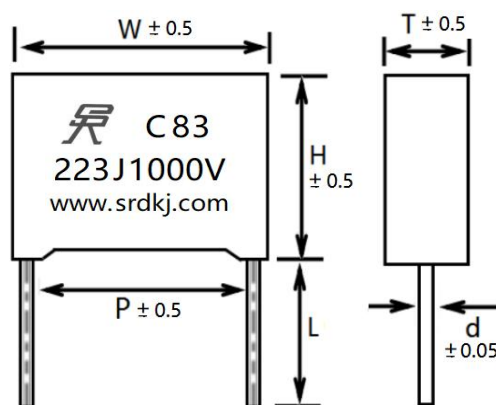
- 介质：聚丙烯膜
- 电极：特殊工艺金属真空蒸发层
- 封装：塑胶外壳（UL94 V-0）阻燃环氧树脂封装

■ 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	400Vdc、630Vdc、1000Vdc、1600Vdc、2000Vdc	
电容量范围	0.0015μF ~ 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	$C_R \leq 0.33\mu\text{F}$, $R \geq 25000 \text{ M}\Omega$ $C_R > 0.33\mu\text{F}$, $R_C \geq 7500\text{S}$	$U_R \leq 500\text{V}$, test voltage:100V, $U_R > 500\text{V}$, test voltage:500V (20℃, 1min)

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。

■ 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 3 2 2 3 J 3 A D 3 R 8 0 0

第 1~3 位	型号代码：C83 = MKP83
第 4~6 位	标称容量：223=22x10 ³ 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： 2G=400V、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、1=1.0
第 14~15 位	内部识别码

■ 外形尺寸 (mm) (额定电压：400VDC)

μF	Part Number	W	T	H	P	d	μF	Part Number	W	T	H	P	d
0.01	C83103J2GB2R600	10	5	11	7.5	0.6	0.082	C83823J2GD2R800	18	6	12	15	0.8
0.012	C83123J2GB2R600	10	5	11	7.5	0.6	0.1	C83104J2GD3R800	18	7.5	13.5	15	0.8
0.015	C83153J2GB2R600	10	5	11	7.5	0.6	0.12	C83124J2GD3R800	18	7.5	13.5	15	0.8
0.018	C83183J2GB2R600	10	5	11	7.5	0.6	0.15	C83154J2GD4R800	18	8.4	14.5	15	0.8
0.022	C83223J2GB3R600	10	6	12	7.5	0.6	0.18	C83184J2GDGR800	17.5	7.2	17.5	15	0.8
0.022	C83223J2GB2R600	10	5	11	7.5	0.6	0.22	C83224J2GDKR800	17.5	8.2	18.5	15	0.8
0.027	C83273J2GB3R600	10	6	12	7.5	0.6	0.22	C83224J2GE2R800	26.5	7	16.5	22.5	0.8
0.027	C83273J2GB2R600	10	5	11	7.5	0.6	0.27	C83274J2GE3R800	26.5	8.5	17	22.5	0.8
0.027	C83273J2GC2R600	13	5	11	10	0.6	0.33	C83334J2GE3R800	26.5	8.5	17	22.5	0.8
0.033	C83333J2GB3R600	10	6	12	7.5	0.6	0.39	C83394J2GE4R800	26.5	10	19	22.5	0.8
0.033	C83333J2GC2R600	13	5	11	10	0.6	0.47	C83474J2GE4R800	26.5	10	19	22.5	0.8
0.039	C83393J2GB3R600	10	6	12	7.5	0.6	0.47	C83474J2GF1R100	31.5	10.8	19.5	27.5	1.0
0.039	C83393J2GCDR600	12.5	5.2	13	10	0.6	0.56	C83564J2GE6R100	26	12	21.5	22.5	1.0
0.047	C83473J2GC3R600	13	6	12	10	0.6	0.56	C83564J2GF1R100	31.5	10.8	19.5	27.5	1.0
0.056	C83563J2GCGR600	12.5	6.2	15.5	10	0.6	0.68	C83684J2GE6R100	26	12	21.5	22.5	1.0
0.056	C83563J2GD2R800	18	6	12	15	0.8	0.68	C83684J2GF1R100	31.5	10.8	19.5	27.5	1.0
0.068	C83683J2GCGR600	12.5	6.2	15.5	10	0.6	0.82	C83824J2GF2R100	31.5	13	21.5	27.5	1.0
0.068	C83683J2GD2R800	18	6	12	15	0.8	1.0	C83105J2GF3R100	31	14	25	27.5	1.0

金属化聚丙烯膜电容器（盒装型）

■ 外形尺寸 (mm) (额定电压: 630VDC)

μF	Part Number	W	T	H	P	d
0.0015	C83152J2JB2R600	10	5	11	7.5	0.6
0.0018	C83182J2JB2R600	10	5	11	7.5	0.6
0.0022	C83222J2JB2R600	10	5	11	7.5	0.6
0.0027	C83272J2JB2R600	10	5	11	7.5	0.6
0.0033	C83332J2JB2R600	10	5	11	7.5	0.6
0.0033	C83332J2JC2R600	13	5	11	10	0.6
0.0039	C83392J2JB2R600	10	5	11	7.5	0.6
0.0039	C83392J2JC2R600	13	5	11	10	0.6
0.0047	C83472J2JB2R600	10	5	11	7.5	0.6
0.0047	C83472J2JC2R600	13	5	11	10	0.6
0.0056	C83562J2JB2R600	10	5	11	7.5	0.6
0.0056	C83562J2JC2R600	13	5	11	10	0.6
0.0068	C83682J2JB2R600	10	5	11	7.5	0.6
0.0068	C83682J2JC2R600	13	5	11	10	0.6
0.0082	C83822J2JB2R600	10	5	11	7.5	0.6
0.0082	C83822J2JC2R600	13	5	11	10	0.6
0.01	C83103J2JB3R600	10	6	12	7.5	0.6
0.01	C83103J2JC2R600	13	5	11	10	0.6
0.01	C83103J2JD2R800	18	6	12	15	0.8
0.012	C83123J2JB3R600	10	6	12	7.5	0.6
0.012	C83123J2JC2R600	13	5	11	10	0.6
0.012	C83123J2JD2R800	18	6	12	15	0.8
0.015	C83153J2JC2R600	12.5	5.2	13	10	0.6
0.015	C83153J2JD2R800	18	6	12	15	0.8
0.018	C83183J2JC2R600	13	5	11	10	0.6
0.018	C83183J2JD2R800	18	6	12	15	0.8
0.022	C83223J2JC2R600	12.5	5.2	13	10	0.6
0.022	C83223J2JD2R800	18	6	12	15	0.8
0.027	C83273J2JC2R600	12.5	6.2	15.5	10	0.6
0.027	C83273J2JD2R800	18	6	12	15	0.8
0.033	C83333J2JC2R600	12.5	6.2	15.5	10	0.6
0.033	C83333J2JD2R800	18	6	12	15	0.8
0.039	C83393J2JC2R600	12.5	7.2	17.5	10	0.6
0.039	C83393J2JD2R800	18	6	12	15	0.8
0.047	C83473J2JC2R600	12.5	7.2	17.5	10	0.6

μF	Part Number	W	T	H	P	d
0.047	C83473J2JD2R800	18	6	12	15	0.8
0.056	C83563J2JD3R800	18	7.5	13.5	15	0.8
0.056	C83563J2JDDR800	17.5	6.2	15.5	15	0.8
0.068	C83683J2JD3R800	18	7.5	13.5	15	0.8
0.068	C83683J2JDDR800	17.5	6.2	15.5	15	0.8
0.082	C83823J2JD4R800	18	8.4	14.5	15	0.8
0.082	C83823J2JDGR800	17.5	7.2	17.5	15	0.8
0.1	C83104J2JD5R800	18	9.5	15.5	15	0.8
0.1	C83104J2JDGR800	17.5	7.2	17.5	15	0.8
0.12	C83124J2JD6R800	18	10	15.8	15	0.8
0.12	C83124J2JDKR800	17.5	8.2	18.5	15	0.8
0.15	C83154J2JD8R800	18	11.2	19.2	15	0.8
0.15	C83154J2JDNR800	17.5	9.2	19.5	15	0.8
0.15	C83154J2JE3R800	26.5	8.5	17	22.5	0.8
0.15	C83154J2JF1R100	31.5	10.8	19.5	27.5	1.0
0.18	C83184J2JDRR800	17.5	10.2	22.5	15	0.8
0.18	C83184J2JE3R800	26.5	8.5	17	22.5	0.8
0.18	C83184J2JF1R100	31.5	10.8	19.5	27.5	1.0
0.22	C83224J2JDUR800	17.5	11.2	23.5	15	0.8
0.22	C83224J2JE4R800	26.5	10	19	22.5	0.8
0.22	C83224J2JF1R100	31.5	10.8	19.5	27.5	1.0
0.27	C83274J2JE4R800	26.5	10	19	22.5	0.8
0.27	C83274J2JF1R100	31.5	10.8	19.5	27.5	1.0
0.28	C83284J2JE4R800	26.5	10	19	22.5	0.8
0.28	C83284J2JE6R100	26.5	12	21.5	22.5	1.0
0.33	C83334J2JE6R100	26.5	12	21.5	22.5	1.0
0.33	C83334J2JF1R100	31.5	10.8	19.5	27.5	1.0
0.39	C83394J2JE6R100	26.5	12	21.5	22.5	1.0
0.39	C83394J2JF1R100	31.5	10.8	19.5	27.5	1.0
0.47	C83474J2JE7R100	26.5	13	23	22.5	1.0
0.47	C83474J2JF2R100	31.5	13	21.6	27.5	1.0
0.56	C83564J2JF2R100	31.5	13	21.6	27.5	1.0
0.68	C83684J2JF3R100	31	14	25	27.5	1.0
0.82	C83824J2JF4R100	31.5	16	25.5	27.5	1.0
1.0	C83105J2JF5R100	31.5	16	30	27.5	1.0

金属化聚丙烯膜电容器 (盒装型)

■ 外形尺寸 (mm) (额定电压: 1000VDC)

μF	Part Number	W	T	H	P	d	μF	Part Number	W	T	H	P	d
0.0015	C83152J3AB2R600	10	5	11	7.5	0.6	0.027	C83273J3AD4R800	18	8.4	14.5	15	0.8
0.0018	C83182J3AB2R600	10	5	11	7.5	0.6	0.033	C83333J3ADGR800	17.5	7.2	17.5	15	0.8
0.0022	C83222J3AB2R600	10	5	11	7.5	0.6	0.039	C83393J3ADGR800	17.5	7.2	17.5	15	0.8
0.0027	C83272J3AB2R600	10	5	11	7.5	0.6	0.047	C83473J3ADKR800	17.5	8.2	18.5	15	0.8
0.0033	C83332J3AB2R600	10	5	11	7.5	0.6	0.056	C83563J3ADKR800	17.5	8.2	18.5	15	0.8
0.0033	C83332J3AC2R600	13	5	11	10	0.6	0.056	C83563J3AECR800	25.5	7	15	22.5	0.8
0.0039	C83392J3AB2R600	10	5	11	7.5	0.6	0.068	C83683J3ADNR800	17.5	9.2	19.5	15	0.8
0.0039	C83392J3AC2R600	13	5	11	10	0.6	0.068	C83683J3AE2R800	26.5	7	16.5	22.5	0.8
0.0047	C83472J3AB3R600	10	6	12	7.5	0.6	0.082	C83823J3ADRR800	17.5	10.2	22.5	15	0.8
0.0047	C83472J3AC2R600	13	5	11	10	0.6	0.082	C83823J3AE3R800	26.5	8.5	17	22.5	0.8
0.0056	C83562J3AB3R600	10	6	12	7.5	0.6	0.1	C83104J3ADUR800	17.5	11.2	23.5	15	0.8
0.0056	C83562J3AC2R600	13	5	11	10	0.6	0.1	C83104J3AEDR800	25.5	7.5	21	22.5	0.8
0.0068	C83682J3AC2R600	13	5	11	10	0.6	0.1	C83104J3AE4R800	26.5	10	19	22.5	0.8
0.0082	C83822J3AC2R600	13	5	11	10	0.6	0.12	C83124J3ADXR800	17.5	12.2	24.5	15	0.8
0.01	C83103J3ACDR600	12.5	5.2	13	10	0.6	0.12	C83124J3AE4R800	26.5	10	19	22.5	0.8
0.01	C83103J3AD2R800	18	6	12	15	0.8	0.15	C83154J3AE5R100	26.5	11	20	22.5	1.0
0.012	C83123J3ACDR600	12.5	5.2	13	10	0.6	0.15	C83154J3AF1R100	31.5	10.8	19.5	27.5	1.0
0.012	C83123J3AD2R800	18	6	12	15	0.8	0.18	C83184J3AE6R100	26.5	12	21.5	22.5	1.0
0.015	C83153J3ACGR600	12.5	6.2	15.5	10	0.6	0.18	C83184J3AF1R100	31.5	10.8	19.5	27.5	1.0
0.015	C83153J3AD2R800	18	6	12	15	0.8	0.22	C83224J3AE7R100	26.5	13	23	22.5	1.0
0.018	C83183J3ACGR600	12.5	6.2	15.5	10	0.6	0.22	C83224J3AF2R100	31.5	13	21.6	27.5	1.0
0.018	C83183J3ADDR800	17.5	6.2	15.5	15	0.8	0.27	C83274J3AF3R100	31	14	25	27.5	1.0
0.022	C83223J3ACKR600	12.5	7.2	17.5	10	0.6	0.33	C83334J3AF3R100	31	14	25	27.5	1.0
0.022	C83223J3ADDR800	17.5	6.2	15.5	15	0.8	0.39	C83394J3AF4R100	31.5	16	25.5	27.5	1.0
0.022	C83223J3AD3R800	18	7.5	13.5	15	0.8	0.47	C83474J3AF5R100	31.5	16	30	27.5	1.0