

Double sided Metallized Polypropylene Film Capacitor (Box-type) 双面金属化聚丙烯膜电容器 (盒装型)

■外形图

■特点

- 双面金属化聚丙烯膜
- 损耗小, 内部温升小
- 小型化的安装尺寸
- 优异的阻燃性能(UL94V-0)

■主要用途

- 广泛应用于高压高频脉冲电路中
- 适用于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

■符合 ROHS.REACH 等标准 Conform to ROHS.REACH standard

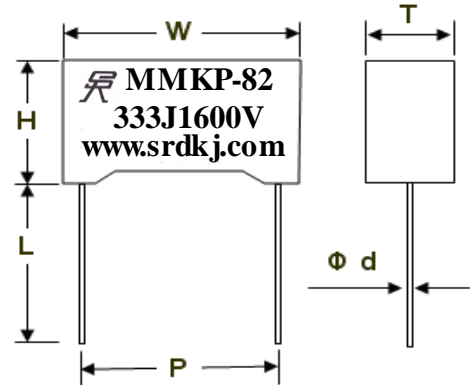
■Characteristics

- double metallized polypropylene film
- low dissipation, low internal temperature rise
- Small installation size
- Excellent flame resistance property (UL94V-0)

■Main purpose

- Widely used in high voltage high frequency pulse circuit
- Applicable for resonant circuit of frequency converter
- Suitable for LED driven high efficiency circuit and switching power supply high efficiency circuit
- Absorption circuit and SCR rectifying circuit

■技术参数 technical parameter

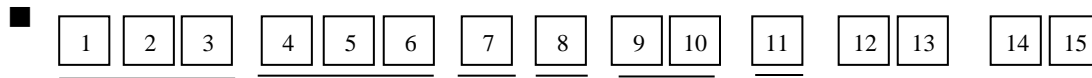


引用标准 Standard referenced	GB/T10190(IEC60384-16)	气候条件 Climate condition	40/105℃/56d
工作温度 working temperature	-40℃~+105℃	额定电压 rated voltage	1600V;2000V;3000V
容量范围 Capacitance range	0.001 μF~1.0 μF	容量误差 allowable tolerance	J—±5% ; K—±10%
耐电压 proof voltage	端子与端子 Terminal to terminal: 1.6UR (VDC) 5S 端子与外壳 Terminal to shell: 2000VAC 5S	无击穿或飞狐 No breakdown or electric arcing	
损耗角 dissipation factor	≤0.0010 1KHZ	20℃; 1V 测试电压 testing voltage	
绝缘电阻 Insulation resistance	CR≤0.33 μF IR≥100000MΩ CR>0.33 μF IR≥30000S(MΩ. μF)	充电电压 charging voltage 100V 20℃; 充电 1min 测试后测得 testing time: 1 min later after charging	
耐久负荷 测试 durability test	温度 105℃, 连续工作 1000 小时 施加电压: 额定电压 UR Work continuously for 1000 hours Voltage imposed: rated voltage UR	电容量衰减量: ΔC/C≤10% Capacitance attenuation value: 损耗角衰减量: ΔTg δ ≤0.5% (1KHZ) Dissipation factor attenuation value: 绝缘电阻值 Insulation resistance value: IR≥50%	
最大脉冲爬升速率 (dv/dt): 若实际工作电压比额定电压低, 该电容器可以工作在更高的 dv/dt 场合, maximum pulse climb speed (dv/dt): If the actual working voltage is lower than the rated voltage, the capacitor can work in higher dv/dt occasion	额定电压 rated voltage	dv/dt (V/μs)	
		P=22.5	P=27.5
	1600V	3200	2200
	2000V	5000	2500
	3000V	8000	3000

Double sided Metallized Polypropylene Film Capacitor (Box-type) 双面金属化聚丙烯膜电容器 (盒装型)

■ C82 产品编码规则 C82 product coding principle

■ 15 位产品代码规定如下: 15-digit product code is specified as follows



二. 各部分组成内容 Composition and content of various parts

型号代码 (第 1~3 位数) type code (1th to 3th digit)

C82 双面金属化聚丙烯膜电容器 (盒装型)

C82 double metallized Polypropylene film capacitor (Box-type)

标称容量 (第 4~6 位数) Nominal capacitance (4th to 6th digit)

例如 e.g.: 104=10×10⁴pF=0.1μF

标容量误差代码 (第 7 位数) Nominal capacitance tolerance code (7th digit)

例如 e.g.: J=±5% K=±10%

额定电压 (第 8 位数) rated voltage:(8th digit)

C----1600V D----2000V E----3000V

塑壳代码 (第 9~10 位数) plastic code(9th to 10th digit)

代码 code	壳号 shell	代码 code	壳号 shell	代码 code	壳号 shell	代码 code	壳号 shell	代码 code	壳号 shell	代码 code	壳号 shell
M1	M1	C1	C1	D5	D5	E5	E5	E1	E1	F8	F8
M2	M2	C2	C2	D7	D7	E6	E6	E2	E2	G1	TB5
M3	M3	C3	C3	D8	D8-3	E7	E7	E3	E3	G2	F14
M4	M4	CA	C5-1	DA	DA	F1	F1	E4	E4	G3	TB4
M5	M5	D1	D1	D3	D3	F2	F2	F4	F4	G4	TB23
M6	M6	D2	D2	D4	D4	F3	F3	F7	F7	G5	TB20

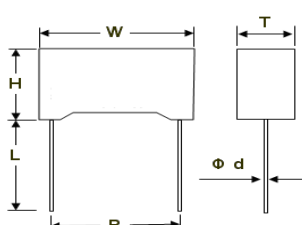
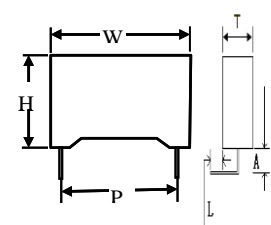
商标+塑壳颜色 (第 11 位数) trademark+plastic shell color (11th digit)

代码 code	商标 + 塑壳颜色 trademark+plastic shell color	代码 code	商标 + 塑壳颜色 trademark+plastic shell color
R	SRD + 灰色激光打印+网址 SRD+gray laser printing+URL	S	SRD + 黄色有+光打印+网址 SRD + yellow laser printing+URL

内部识别码 (第 12~13 位数) internal recognition code (12th to 13th digit)

外形加工识别码 (第 14~15 位数) exterior processing identification cod

表 1 table 1

说明: 标准引线长度为 13mm Explanation: Standard lead length is 13mm.							
切引线标准长度 Cutting lead (mm)	3.0±0.5	3.5±0.5	4.0±0.5	4.5±0.5	5.0±0.5	5.5±0.5	
直切脚加工图形 straight cutting lead process diagram				弯切脚加工图形 bent cutting lead process diagram			
							

Double sided Metallized Polypropylene Film Capacitor (Box-type)
双面金属化聚丙烯膜电容器 (盒装型)

成品尺寸表		1600V									
成品编码 Finished product code	容量 capacitance	外形尺寸 Exterior dimension ± 0.5 (mm)				成品编码 Finished product code	容量 capacitance	外形尺寸 Exterior dimension ± 0.5 (mm)			
	μF	W	T	H	P		μF	W	T	H	P
C82153JCE1R***#	0.015	26.5	6	15	22.5	C82473JCF1R***#	0.047	31.5	10.8	19.5	27.5
C82183JCE1R***#	0.018	26.5	6	15	22.5	C82563JCF1R***#	0.056	31.5	10.8	19.5	27.5
C82273JCE1R***#	0.027	26.5	6	15	22.5	C82683JCF1R***#	0.068	31.5	10.8	19.5	27.5
C82333JCE2R***#	0.033	26.5	7	16	22.5	C82823JCF2R***#	0.082	31.5	13	21.6	27.5
C82393JCE3R***#	0.039	26.5	8.5	17	22.5	C82104JCF2R***#	0.1	31.5	13	21.6	27.5
C82473JCE4R***#	0.047	26.5	10	19	22.5	C82124JCF2R***#	0.12	31.5	13	21.6	27.5
C82563JCE4R***#	0.056	26.5	10	19	22.5	C82154JCF4R***#	0.15	31.5	16	25.5	27.5
C82683JCE6R***#	0.068	26.5	12	21.5	22.5	C82184JCF4R***#	0.18	31.5	16	25.5	27.5
C82823JCE6R***#	0.082	26.5	12	21.5	22.5	C82224JCF7R***#	0.22	31.5	18	26	27.5
C82104JCE7R***#	0.1	26.5	13	23	22.5	C82274JCF7R***#	0.27	31.5	18	26	27.5
C82393JCF1R***#	0.039	31.5	10.8	19.5	27.5	C82334JCF8R***#	0.33	31.5	22	31	27.5
2000V											
C82183JDE2R***#	0.018	26.5	7	16.5	22.5	C82563JDF2R***#	0.056	31.5	13	21.6	27.5
C82223JDE3R***#	0.022	26.5	8.4	17	22.5	C82683JDF2R***#	0.068	31.5	13	21.6	27.5
C82273JDE4R***#	0.027	26.5	10	19	22.5	C82823JDF4R***#	0.082	31.5	16	25.5	27.5
C82333JDE4R***#	0.033	26.5	10	19	22.5	C82104JDF4R***#	0.1	31.5	16	25.5	27.5
C82393JDE6R***#	0.039	26.5	12	21.5	22.5	C82124JDF8R***#	0.12	31.5	22	31	27.5
C82473JDE6R***#	0.047	26.5	12	21.5	22.5	C82154JDF8R***#	0.15	31.5	22	31	27.5
C82473JDF2R***#	0.047	31.5	13	21.6	27.5	C82184JDF8R***#	0.18	31.5	22	31	27.5
						C82224JDF8R***#	0.22	31.5	22	31	27.5
3000V											
C82J102JEE1R***#	0.001	26.5	6	15	22.5	C82J822JEE2R***#	0.0082	26.5	7	16.5	22.5
C82J122JEE1R***#	0.0012	26.5	6	15	22.5	C82J103JEE3R***#	0.01	26.5	8.5	17	22.5
C82J152JEE1R***#	0.0015	26.5	6	15	22.5	C82J123JEE4R***#	0.012	26.5	10	19	22.5
C82J182JEE1R***#	0.0018	26.5	6	15	22.5	C82J153JEE4R***#	0.015	26.5	10	19	22.5
C82J222JEE1R***#	0.0022	26.5	6	15	22.5	C82J183JEE6R***#	0.018	26.5	12	21.5	22.5
C82J272JEE1R***#	0.0027	26.5	6	15	22.5	C82J223JEE6R***#	0.022	26.5	12	21.5	22.5
C82J332JEE1R***#	0.0033	26.5	6	15	22.5	C82J273JEE6R***#	0.027	26.5	12	21.5	22.5
C82J392JEE1R***#	0.0039	26.5	6	15	22.5	C82J333JEE7R***#	0.033	26.5	13	23	22.5
C82J472JEE2R***#	0.0047	26.5	7	16.5	22.5	C82J393JEE7R***#	0.039	26.5	13	23	22.5
C82J562JEE2R***#	0.0056	26.5	7	16.5	22.5	C82J473JEE7R***#	0.047	26.5	13	23	22.5
C82J682JEE2R***#	0.0068	26.5	7	16.5	22.5	C82J563JEE7R***#	0.056	26.5	13	23	22.5

备注 Note: 1. “*”表示内部识别码。

1. “#”stands for internal recognition code.
2. “=”表示引线加工见表 1 所示。
2. “=”stands for cutting lead processing referencing table 1.