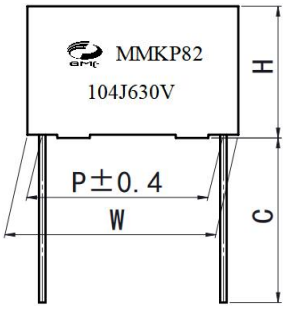
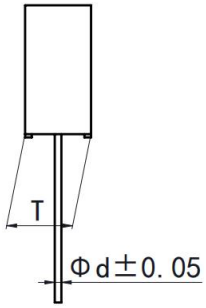
MMKP82型塑料外壳双面金属化聚丙烯膜电容器

MMKP82 Type Double sided metallized polypropylene film capacitor (Box-type)

■ 外形图 Outline Drawing



W±0.5, H±0.5



T±0.5

■ 特点

- 双面金属化聚丙烯膜
- 损耗小，内部温升小
- 负电容量温度系数
- 优异的阻燃性能

■ Features

- **Doublesided metallized polypropylene film**
- **Low loss and small inherent temperature rise**
- **Negative temperature coefficient of capacitance**
- **Exellent active and passive flame resistant abilities**

■ 主要用途

- 广泛应用于高压高频脉冲电路中
- 电子镇流器和节能灯中
- 吸收和SCR整流电路

●Typical Applications

- **Widely used in high voltage, high frequency and pulse circuit**
- **Electronic ballasts and compact lamps**
- **SNUBBER and SCR commutating circuits**

■ 技术要求 Specifications

引用标准 **Reference Standard**	GB/T 10190 (IEC 60384-16)
气候类别**Climatic Category**	40/105/21
额定温度 **Rated Temperature**	85℃ for U_R(dc); 75℃ for U_R (ac)
耐电压 **Voltage Proof**	1.6U_R 5S 25℃
工作温度 **Operating Temperature Range**	-40℃~105℃ (+85℃ to +105℃: decreasing factor 1.25% per ℃ for U_R (dc)) (+75℃ to +105℃: decreasing factor 1.35% per ℃ for U_R (ac))
额定电压 **Rated Voltage**	630V, 1 000V, 1600V
电容量范围 **Capacitance Range**	0.001μF~1.2μF
电容量偏差 **Capacitance Tolerrance**	±3% (H), ±5%(J)
损耗角正切 **Dissipation Factor(tanδ) 1KHZ**	≤0.1% C_R ≤0.47μF : ≤0.1% 0.47μF <C_R ≤2.2μF 25℃
损耗角正切 **Dissipation Factor(tanδ) 10KHZ**	≤0.4% C_R ≤0.47μF ; ≤0.6% 0.47μF <C_R ≤2.2μF 25℃
绝缘电阻**Insulation Resistance**	R≥50 000MΩ, C_R≤0.33μF RC_N≥20 000s, C_R >0.33μF (25℃, 100V, 1min)

最大脉冲爬升速率**Maximum Pulse Rise Time(dV/dt):**若实际工作电压**U**比额定电压U_R 低，电容器可工作在更高的**dV/dt**场合，这样**dV/dt**允许值应为右表值乘以U_R/U

If the working voltage(U) is lower than the rated voltage U_R,the capacitor can be worked at a higher dV/dt. In this case, the maximum allowed dV/dt is obtain by multiplying the right valuewith U_R/U.

U_R(V)	dV/dt(V/μs)				
	P=7.5	P=10.0	P=15.0	P=22.5	P=27.5
250	1200	1000	550	250	200
400	1800	1500	900	500	300
630	3200	3200	2500	1500	900
1000	6000	6000	3300	2100	1000
1600	-	-	6000	3000	2000
2000	-	-	10000	5000	2200

■ 产品编码说明 Part number system

■ 27位产品代码如下：The 27 digits part number is formed as follow:

KP82.	104	J	2J	15	LL0	3R5	R	2	0 0 0	C30
型 号	容量	容偏	电压	脚距	脚形	脚长	颜色	线径	特征	壳号

第 1～5 位 型号代码

KP82.= MMKP82

Digit 1 to 5 Series code

KP82.= MMKP82

第 6～8 位 标称容量

举例:103=10×10³PF=10nF=0.01μF

Digit 6 to 8 Rated capacitance value

for example: 103=10×10³pF=10nF=0.01μF

第 9 位 容量偏差

J=±5% K=±10% M=±20%

Digit 9 Capacitance tolerance

J=±5% K=±10% M=±20%

第 10~11位 直流额定电压

630V=2J 1000V=3A 1600V=3C

Digit 10 to 11 AC rated voltage

630V=2J 1000V=3A 1600V=3C

第12~13位 引线脚距

7P= 7.5mm 10= 10mm 15= 15 mm

17=17.5mm 20= 20mm 22=22.5mm

27=27.5mm 32=32.5mm 37=37.5mm

Digit 12 to 13 Pitch

7P= 7.5mm 10= 10mm 15= 15 mm

17=17.5mm 20= 20mm 22=22.5mm

27=27.5mm 32=32.5mm 37=37.5mm

第 14~16 位 引脚形状

长直脚=LL0

短直脚=SL0

90° 弯脚=RA0

Digit 14 to 16 Pin shape

Long straight leads：LL0

Short straight leads：SL0

90° bending:RA0

第17~19 位 引脚长度

2R5=2.5mm 3R5=3.5mm 10R=10mm

100=100mm 000=编带料

Digit 17 to 19 Lead length

2R5=2.5mm 3R5=3.5mm 10R=10mm

100=100mm 000=编带料

第 20 位 颜色

红色=R 黄色=Y 灰色=G 黑色=B

Digit 20 Colour

Red=R Yellow=Y Gray=G Black=B

第 21 位 引线直径

CP：1=0.6mm 2=0.75mm 3=0.8mm

Cμ：A=0.6mm B=0.7mm C=0.75mm

Digit 21 Lead diameter

CP：1=0.6mm 2=0.75mm 3=0.8mm

Cμ：A=0.6mm B=0.7mm C=0.75mm

第22~24 位 内部特征

低功耗=P 低温升=T 低噪音=N

高方阻=R 无卤=H 双 85=B

Digit 22 to 24 Internal characteristics

Low power=P Low temperature rise=T Low noise=N

High Square resistance=R Halogen-free =H Double 85=B

第 25~27 位 塑壳代号

B3LT=B3L C5YP-3=C53 D2=D20

D2-1=D21 D5 大=D5D E3=E30

Digit 25 to 27 Plastic case code

B3LT=B3L C5YP-3=C53 D2=D20

D2-1=D21 D5 大=D5D E3=E30

■ 外形尺寸（Dimensions）

630Vdc (400Vac)						
CN (μF)	W	H	T	P	d	Part number
0.001	10.0	9.0	4.0	7.5	0.6	KP82.102J2J****
0.0012	10.0	9.0	4.0	7.5	0.6	KP82.122J2J****
0.0015	10.0	9.0	4.0	7.5	0.6	KP82.152J2J****
0.0018	10.0	9.0	4.0	7.5	0.6	KP82.182J2J****
0.0022	10.0	9.0	4.0	7.5	0.6	KP82.222J2J****
0.0027	10.0	9.0	4.0	7.5	0.6	KP82.272J2J****
0.0033	10.0	9.0	4.0	7.5	0.6	KP82.332J2J****
0.0039	10.0	9.0	4.0	7.5	0.6	KP82.392J2J****
0.0047	10.0	9.0	4.0	7.5	0.6	KP82.472J2J****
0.0056	10.0	9.0	4.0	7.5	0.6	KP82.562J2J****
0.0068	10.0	11.0	5.0	7.5	0.6	KP82.682J2J****
0.0082	10.0	11.0	5.0	7.5	0.6	KP82.822J2J****
0.01	10.0	12.0	6.0	7.5	0.6	KP82.103J2J****
0.012	10.0	12.0	6.0	7.5	0.6	KP82.123J2J****
0.0047	13.0	9.0	4.0	10.0	0.6	KP82.472J2J****
0.0056	13.0	9.0	4.0	10.0	0.6	KP82.562J2J****
0.0068	13.0	9.0	4.0	10.0	0.6	KP82.682J2J****
0.0082	13.0	9.0	4.0	10.0	0.6	KP82.822J2J****
0.01	13.0	11.0	5.0	10.0	0.06	KP82.103J2J****
0.012	13.0	11.0	5.0	10.0	0.6	KP82.123J2J****
0.015	13.0	12.0	6.0	10.0	0.6	KP62.153J2J****
0.018	13.0	12.0	6.0	10.0	0.6	KP82.183J2J****
0.01	18.0	11.0	5.0	15.0	0.75	KP82.103J2J****
0.012	18.0	11.0	5.0	15.0	0.75	KP82.123J2J****
0.015	18.0	11.0	5.0	15.0	0.75	KP82.153J2J****
0.018	18.0	13.5	7.5	15.0	0.75	KP81.183J3J****
0.022	18.0	13.5	7.5	15.0	0.75	KP82.223J2J****
0.027	18.0	13.5	7.5	15.0	0.75	KP82.273J2J****
0.033	18.0	13.5	7.5	15.0	0.75	KP82.333J2J****
0.039	18.0	13.5	7.5	15.0	0.75	KP82.393J2J****
0.047	18.0	13.5	7.5	15.0	0.75	KP82.473J2J****
0.056	18.0	13.5	7.5	15.0	0.75	KP82.563J2J****

630Vdc (400Vac)						
CN (μF)	W	H	T	P	d	Part number
0.068	18.0	13.5	7.5	15.0	0.75	KP82.683J2J****
0.082	18.0	13.5	7.5	15.0	0.75	KP82.823J2J****
0.10	18.0	16.0	10.0	15.0	0.75	KP82.104J2J****
0.12	18.0	18.0	10.0	15.0	0.75	KP82.124J2J****
0.15	18.0	18.0	10.0	15.0	0.75	KP82.154J2J****
0.047	26.5	15.0	6.0	22.5	0.8	KP82.473J2J****
0.056	26.5	15.0	6.0	22.5	0.8	KP82.563J2J****
0.068	26.5	15.0	6.0	22.5	0.8	KP82.683J2J****
0.082	26.5	15.0	6.0	22.5	0.8	KP82.823J2J****
0.10	26.5	15.0	6.0	22.5	0.8	KP82.104J2J****
0.12	26.5	16.0	6.0	22.5	0.8	KP82.124J2J****
0.15	26.5	17.0	8.5	22.5	0.8	KP82.154J2J****
0.18	26.5	17.0	8.5	22.5	0.8	KP82.184J2J****
0.22	26.5	18.5	10.0	22.5	0.8	KP82.224J2J****
0.27	26.5	22.0	12.0	22.5	0.8	KP82.274J2J****
0.33	26.5	22.0	12.0	22.5	0.8	KP82.334J2J****
0.39	26.5	22.0	12.0	22.5	0.8	KP82.394J2J****
0.15	32.0	18.0	9.0	27.5	0.8	KP82.154J2J****
0.18	32.0	18.0	9.0	27.5	0.8	KP82.184J2J****
0.22	32.0	18.0	9.0	27.5	0.8	KP82.224J2J****
0.27	32.0	18.0	9.0	27.5	0.8	KP82.274J2J****
0.33	32.0	22.0	13.0	27.5	0.8	KP82.334J2J****
0.39	32.0	22.0	11.0	27.5	0.8	KP82.394J2J****
0.47	32.0	22.0	13.0	27.5	0.8	KP82.474J2J****
0.56	32.0	22.0	13.0	27.5	0.8	KP82.564J2J****
0.68	32.0	24.5	15.0	27.5	0.8	KP82.684J2J****
0.82	32.0	28.0	14.0	27.5	0.8	KP82.824J2J****
1.0	32.0	33.0	18.0	27.5	0.8	KP82.105J2J****
1.2	32.0	33.0	18.0	27.5	0.8	KP82.125J2J****
-	-	-	-	-	-	-
-	-	--	-	-		-
-	-	-	-	-	-	-

1000Vdc (600Vac)						
CN (μF)	W	H	T	P	d	Part number
0.0010	10.5	9.0	4.0	7.5	0.6	KP82.102J3A****
0.0012	10.5	11.0	5.0	7.5	0.6	Kp82.122J3A****
0.0015	10.5	11.0	5.0	7.5	0.6	KP82.152J3A****
0.0018	10.5	11.0	5.0	7.5	0.6	Kp82.182J3A****
0.0022	10.5	11.0	5.0	7.5	0.6	KP82.222J3A****
0.0027	10.5	12.0	6.0	7.5	0.6	Kp82.272J3A****
0.0033	10.5	12.0	6.0	7.5	0.6	KP82.332J3A****
0.0010	13.0	9.0	4.0	10.0	0.6	Kp82.102J3A****
0.0012	13.0	9.0	4.0	10.0	0.6	KP82.122J3A****
0.0015	13.0	9.0	4.0	10.0	0.6	Kp82.152J3A****
0.0018	13.0	9.0	4.0	10.0	0.6	KP82.182J3A****
0.0022	13.0	11.0	5.0	10.0	0.6	Kp82.222J3A****
0.0027	13.0	9.0	4.0	10.0	0.6	KP82.272J3A****
0.0033	13.0	9.0	4.0	10.0	0.6	Kp82.332J3A****
0.0039	13.0	11.0	5.0	10.0	0.6	KP82.392J3A****
0.0047	13.0	11.0	5.0	10.0	0.6	Kp82.472J3A****
0.0056	13.0	12.0	6.0	10.0	0.6	KP82.562J3A****
0.0068	13.0	12.0	6.0	10.0	0.6	Kp82.682J3A****
0.0082	18.0	11.0	5.0	15.0	0.75	KP82.822J3A****
0.010	18.0	11.0	5.0	15.0	0.75	Kp82.103J3A****
0.012	18.0	11.0	5.0	15.0	0.75	KP82.123J3A****
0.015	18.0	11.0	5.0	15.0	0.75	Kp82.152J3A****
0.018	18.0	13.5	7.5	15.0	0.75	KP82.182J3A****
0.022	18.0	12.0	6.0	15.0	0.75	Kp82.223J3A****
0.027	18.0	12.0	6.0	15.0	0.75	KP82.273J3A****
0.033	18.0	12.0	6.0	15.0	0.75	Kp82.333J3A****
0.039	18.0	13.5	7.5	15.0	0.75	KP82.392J3A****
0.047	18.0	13.5	7.5	15.0	0.75	Kp82.473J3A****
0.068	18.0	14.5	8.5	15.0	0.75	KP82.683J3A****
0.022	26.5	16.0	7.0	22.5	0.75	Kp82.223J3A****
0.027	26.5	16.0	7.0	22.5	0.75	KP82.273J3A****
0.033	26.5	16.0	7.0	22.5	0.75	Kp82.333J3A****
0.039	26.5	16.0	7.0	22.5	0.75	KP82.393J3A****
0.047	26.5	16.0	7.0	22.5	0.75	Kp82.473J3A****
0.056	26.5	16.0	7.0	22.5	0.75	KP82.563J3A****
0.068	26.5	17.0	8.5	22.5	0.75	Kp82.683J3A****
0.082	26.5	18.5	10.0	22.5	0.75	KP82.823J3A****
0.10	26.5	18.5	10.0	22.5	0.75	Kp82.104J3A****
0.12	26.5	22.0	12.0	22.5	0.75	KP82.124J3A****
0.15	26.5	22.0	12.0	22.5	0.75	Kp82.154J3A****
0.22	26.5	22.0	12.0	22.5	0.75	KP82.224J3A****
0.10	32.0	18.0	9.0	27.5	0.8	Kp82.104J3A****
0.12	32.0	20.0	11.0	27.5	0.8	KP82.124J3A****
0.15	32.0	20.0	11.0	27.5	0.8	Kp82.154J3A****
0.18	32.0	22.0	13.0	27.5	0.8	KP82.184J3A****
0.22	32.0	22.0	13.0	27.5	0.8	Kp82.224J3A****
0.27	32.0	24.5	15.0	27.5	0.8	KP82.274J3A****
0.33	32.0	28.0	14.0	27.5	0.8	Kp82.334J3A****
0.39	32.0	33.0	18.0	27.5	0.8	KP82.394J3A****
0.47	32.0	33.0	18.0	27.5	0.8	Kp82.474J3A****

1600Vdc (650Vac)						
CN (μF)	W	H	T	P	d	Part number
0.00068	18.0	11.0	5.0	15.0	0.75	KP82.681J3C****
0.00082	18.0	11.0	5.0	15.0	0.75	KP82.821J3C****
0.0010	18.0	11.0	5.0	15.0	0.75	KP82.102J3C****
0.0012	18.0	11.0	5.0	15.0	0.75	KP82.122J3C****
0.0015	18.0	11.0	5.0	15.0	0.75	KP82.152J3C****
0.0018	18.0	11.0	5.0	15.0	0.75	KP82.182J3C****
0.0022	18.0	11.0	5.0	15.0	0.75	KP82.222J3C****
0.0027	18.0	11.0	5.0	15.0	0.75	KP82.272J3C****
0.0033	18.0	11.0	5.0	15.0	0.75	KP82.332J3C****
0.0039	18.0	11.0	5.0	15.0	0.75	KP82.392J3C****
0.0047	18.0	11.0	5.0	15.0	0.75	KP82.472J3C****
0.0056	18.0	11.0	5.0	15.0	0.75	KP82.562J3C****
0.0068	18.0	11.0	5.0	15.0	0.75	KP82.682J3C****
0.0082	18.0	12.0	6.0	15.0	0.75	KP82.822J3C****
0.010	18.0	12.0	6.0	15.0	0.75	KP82.103J3C****
0.012	18.0	13.5	7.5	15.0	0.75	KP82.123J3C****
0.015	18.0	13.5	7.5	15.0	0.75	KP82.153J3C****
0.018	18.0	14.5	8.5	15.0	0.75	KP82.183J3C****
0.022	18.0	14.5	8.5	15.0	0.75	KP82.223J3C****
0.027	18.0	16.0	10.0	15.0	0.75	KP82.273J3C****
0.033	18.0	19.0	11.0	15.0	0.75	KP82.333J3C****
0.015	26.5	15.0	6.0	22.5	0.75	KP82.153J3C****
0.018	26.5	15.0	6.0	22.5	0.75	KP82.183J3C****
0.022	26.5	15.0	6.0	22.5	0.75	KP82.223J3C****
0.027	26.5	15.0	6.0	22.5	0.75	KP82.273J3C****
0.033	26.5	16.0	7.0	22.5	0.75	KP82.333J3C****
0.039	26.5	17.0	8.5	22.5	0.75	KP82.393J3C****
0.047	26.5	18.5	10.0	22.5	0.75	KP82.473J3C****
0.056	26.5	18.5	10.0	22.5	0.75	KP82.563J3C****
0.068	26.5	22.0	12.0	22.5	0.75	KP82.683J3C****
0.082	26.5	22.0	12.0	22.5	0.75	KP82.823J3C****
0.039	32.0	18.0	9.0	27.5	0.8	KP82.393J3C****
0.047	32.0	18.0	9.0	27.5	0.8	KP82.473J3C****
0.056	32.0	18.0	9.0	27.5	0.8	KP82.563J3C****
0.068	32.0	18.0	9.0	27.5	0.8	KP82.683J3C****
0.082	32.0	20.0	11.0	27.5	0.8	KP82.823J3C****
0.10	32.0	20.0	11.0	27.5	0.8	KP82.104J3C****
0.12	32.0	22.0	13.0	27.5	0.8	KP82.124J3C****
0.15	32.0	24.5	15.0	27.5	0.8	KP82.154J3C****
0.18	32.0	24.5	15.0	27.5	0.8	KP82.184J3C****
0.22	32.0	33.0	18.0	27.5	0.8	KP82.224J3C****
0.27	32.0	33.0	18.0	27.5	0.8	KP82.274J3C****
0.33	32.0	33.0	18.0	27.5	0.8	KP82.334J3C****
_	_	_	_	_	_	_
_	_	_	_	_	_	_
_	_	_	_	_	_	_
_	_	_	_	_	_	_
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