

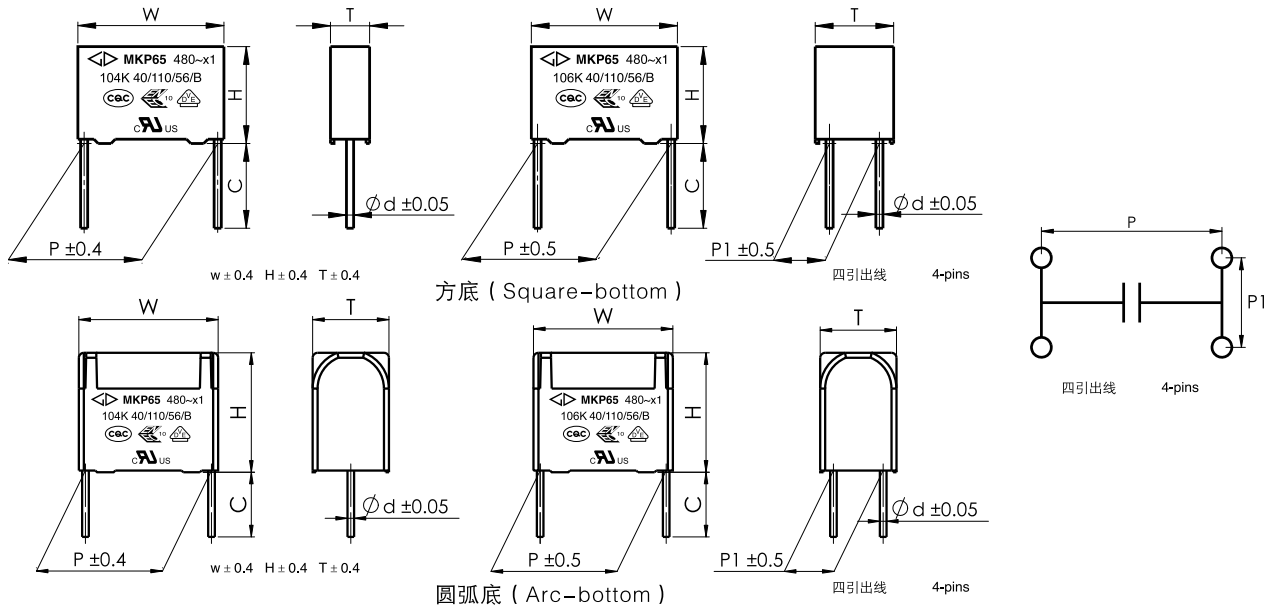


# MKP65

Code: C45

## 金属化聚丙烯膜抗干扰电容器 ( X1类, 480Vac/440Vac ) Metallized polypropylene film Interference Suppression capacitor ( Class X1, 480Vac/440Vac )

### ■ 外形图 Outline Drawing



### ■ 特点

- 金属化聚丙烯
- 体积小
- 能承受过压冲击
- 优异的阻燃性能
- 用于电源跨线路等抗干扰场合

### ■ Features

- Metallized polypropylene structure
- Compact size
- Withstanding overvoltage stressing
- Excellent active and passive flame resistant abilities
- Used in across-the-line, interference suppression circuit

### ■ 安全认证 Safety Approvals

●		CQC (中国)	IEC 60384-14:2013, X1, 480Vac/440Vac, 0.0010μF ~ 10.0μF, 40/110/56/B 证书号(Certificate No.): CQC06001016942
●		ENEC-VDE (欧盟)	EN 60384-14:2013+A1:2016, X1, 480Vac/440Vac, 0.0010μF ~ 10.0μF, 40/110/56/B 证书号(Certificate No.): 40021925
●		UL/CUL (美国/加拿大)	UL60384-14:2014, CSA E60384-14:09, X1, 480Vac/440Vac, 0.0010μF ~ 10.0μF, 40/110/56/B 证书号(File No.): E186600, CCN: FOWX2/8

### ■ 技术要求 Specifications

气候类别 / 阻燃等级 Climatic Category/Passive Flammability Category	40/110/56/B		
工作温度范围 Operating Temperature Range	-40 ~ +110		
额定电压 Rated Voltage (U <sub>R</sub> )	440Vac/480Vac, 50/60Hz		
电容量范围 Capacitance Range	0.0010μF ~ 10.0μF		
电容量偏差 Capacitance Tolerance	± 10%(K), ± 20%(M)		
耐电压 Voltage Proof	引线之间 Between Terminals:	4.3U <sub>R</sub> (dc), 2s	
	极壳之间 Between Terminals To Case:	2.560 (Vac), 1min	
绝缘电阻 Insulation Resistance	R 15 000M, C <sub>N</sub> 0.33μF RC <sub>N</sub> 5 000s, C <sub>N</sub> > 0.33μF (20, 100V, 1min)		
损耗角正切 Dissipation Factor (tan δ)	0.0010μF < C <sub>N</sub> 0.010μF	25 x 10 <sup>-4</sup> (1kHz,20 )	25 x 10 <sup>-4</sup> (10kHz,20 )
	0.010μF < C <sub>N</sub> 0.47μF	15 x 10 <sup>-4</sup> (1kHz,20 )	20 x 10 <sup>-4</sup> (10kHz,20 )
	0.47μF < C <sub>N</sub> 1.0μF	20 x 10 <sup>-4</sup> (1kHz,20 )	40 x 10 <sup>-4</sup> (10kHz,20 )
	1.0μF < C <sub>N</sub>	30 x 10 <sup>-4</sup> (1kHz,20 )	-----

注: 1. 如果需要用到承载一定纹波电流场合, 建议选用 C6A 等专用的滤波电容器; 如有疑问, 请与我司技术工程师联系;  
2. 若用于户外或长期湿度较大场合, 建议选用防潮设计。

If used in application which has ripple current applied, recommend to use AC filter series: C6A etc ;  
If have any questions please contact our technical engineer for more detail ;  
For outdoor or severe humidity condition application, recommend to use THB series.

产品编码说明 Part number system

■ 18位产品代码如下:

The 18 digits part number is formed as follow:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
C	4	5															

第1~3位	型号代码 C45=MKP65	Digit 1 to 3	Series code C45=MKP65
第4~5位	交流额定电压 S1=440V S3=480V	Digit 4 to 5	A.C. rated voltage S1=440V S3=480V
第6~8位	标称容量 举例: 103=10 × 10 <sup>3</sup> pF=0.01μF	Digit 6 to 8	Rated capacitance value For example: 103=10 × 10 <sup>3</sup> pf=0.01μF
第9位	容量偏差 K= ± 10%, M= ± 20%	Digit 9	Capacitance tolerance K= ± 10%, M= ± 20%
第10位	引线脚距P 3=7.5mm 4=10.0mm 6=15.0mm 9=22.5mm B=27.5mm F=37.5mm M=52.5mm	Digit 10	Pitch 3=7.5mm 4=10.0mm 6=15.0mm 9=22.5mm B=27.5mm F=37.5mm M=52.5mm
第11位	内部特征码	Digit 11	Internal use
第12~15位	引线加工和包装代码	Digit 12 to 15	Lead form and packaging code
第16~18位	内部特征码	Digit 16 to 18	Internal use

■ Table 1 引线加工和包装代码 lead form and packaging code

第 12 位 Digit 12		第 13 位 Digit 13		第 14 位 Digit 14		第 15 位 Digit 15	
代码 Code	说明 explanation	代码 Code	说明 explanation	代码 Code	说明 explanation	代码 Code	说明 explanation
A	弹带包装 ammo-pack	4 6	F=10.0mm F=15.0mm	0	表示直脚 straight	5	P3=25.4mm, H=18.5mm (For pitch=10.0/15.0mm) (Detail parameter refer to pag 17)
C	直脚 straight lead “C” in the figure above	代码 Code	说明 explanation	0		0	引线长度偏差 ±0.5mm 或标准长度 Length tolerance ±0.5mm Or standard length
		00	标准的引线长度 (18mm~26mm) standard lead length				
T 3	P1=20.3mm ± 0.5mm P1=20mm ± 0.5mm	45	引线长度 4.5mm lead length 4.5mm	0		0	引线长度偏差 ±0.5mm 或标准长度 Length tolerance ±0.5mm Or standard length
		55	引线长度 5.5mm lead length 5.5mm				



**MKP65**  
Code: C45

■ 外形尺寸 Dimensions ( mm )

440Vac/480Vac <sup>#</sup>							440Vac/480Vac <sup>#</sup>							440Vac/480Vac <sup>#</sup>						
C <sub>N</sub> (μF)	W	H	T	P	d	Part number	C <sub>N</sub> (μF)	W	H	T	P	d	Part number	C <sub>N</sub> (μF)	W	H	T	P	d	Part number
0.0010	10.5	9.0	4.0	7.5	0.6	C45S1102-30****++	0.056M	17.5	12.0	6.0	15.0	0.6	C45S1563M6S****++	★ 1.0M	32.0	16.0	27.5	27.5	0.8	C45S1105MBC****++
0.0012	10.5	9.0	4.0	7.5	0.6	C45S1122-30****++	0.056K	17.5	12.0	7.0	15.0	0.6	C45S1563K6S****++	★ 1.0K	32.0	18.5	31.0	27.5	0.8	C45S1105KBC****++
0.0015	10.5	9.0	4.0	7.5	0.6	C45S1152-30****++	0.068	17.5	13.5	7.5	15.0	0.6	C45S1683-6S****++	1.0	32.0	28.0	17.0	27.5	0.8	C45S1105-BA****++
0.0018	10.5	9.0	4.0	7.5	0.6	C45S1182-30****++	0.068	17.5	12.0	13.0	15.0	0.8	C45S1683-6C****++	1.0	32.0	30.0	16.0	27.5	0.8	C45S1105-BS****++
0.0022	10.5	9.0	4.0	7.5	0.6	C45S1222-30****++	0.082	17.5	14.0	8.0	15.0	0.6	C45S1823-6S****++	1.2M	32.0	30.0	16.0	27.5	0.8	C45S1125MBS****++
0.0027	10.5	9.0	4.0	7.5	0.6	C45S1272-30****++	0.10M	17.5	14.0	8.0	15.0	0.6	C45S1104M6S****++	1.2M	32.0	28.0	17.0	27.5	0.8	C45S1125MBA****++
0.0033	10.5	9.0	4.0	7.5	0.6	C45S1332-30****++	0.10K	17.5	14.5	8.5	15.0	0.6	C45S1104K6S****++	1.2K	32.0	29.0	19.0	27.5	0.8	C45S1125KBA****++
0.0039	10.5	9.0	4.0	7.5	0.6	C45S1392-30****++	0.12	17.5	16.0	10.0	15.0	0.8	C45S1124-6S****++	1.2K	32.0	33.0	18.0	27.5	0.8	C45S1125KBS****++
0.0047	10.5	9.0	4.0	7.5	0.6	C45S1472-30****++	0.15M	17.5	16.0	10.0	15.0	0.8	C45S1154M6S****++	1.5M	32.0	29.0	19.0	27.5	0.8	C45S1155MBA****++
0.0056	10.5	9.0	4.0	7.5	0.6	C45S1562-30****++	0.15K	17.5	19.0	11.0	15.0	0.8	C45S1154K6S****++	★ 1.5M	32.0	18.5	31.0	27.5	0.8	C45S1155MBC****++
0.0068	10.5	11.0	5.0	7.5	0.6	C45S1682-30****++	0.18	17.5	19.0	11.0	15.0	0.8	C45S1184-6S****++	1.5	32.0	33.0	18.0	27.5	0.8	C45S1155-BS****++
0.0082	10.5	11.0	5.0	7.5	0.6	C45S1822-30****++	0.039	26.5	15.0	6.0	22.5	0.8	C45S1393-90****++	1.8	32.0	37.0	22.0	27.5	0.8	C45S1185-BS****++
0.010	10.5	11.0	5.0	7.5	0.6	C45S1103-30****++	0.047	26.5	15.0	6.0	22.5	0.8	C45S1473-90****++	2.2M	32.0	37.0	22.0	27.5	0.8	C45S1225MBS****++
0.012	10.5	12.0	6.0	7.5	0.6	C45S1123-30****++	0.056	26.5	15.0	6.0	22.5	0.8	C45S1563-90****++	0.33	41.0	22.0	11.0	37.5	1.0	C45S1334-F0****++
0.015M	10.5	12.0	6.0	7.5	0.6	C45S1153M30****++	0.068	26.5	15.0	6.0	22.5	0.8	C45S1683-90****++	0.39	41.0	22.0	11.0	37.5	1.0	C45S1394-F0****++
0.0010	13.0	9.0	4.0	10.0	0.6	C45S1102-40****++	0.082	26.5	15.0	6.0	22.5	0.8	C45S1823-9S****++	0.47	41.0	22.0	11.0	37.5	1.0	C45S1474-FS****++
0.0012	13.0	9.0	4.0	10.0	0.6	C45S1122-40****++	0.10	26.5	15.0	6.0	22.5	0.8	C45S1104-9S****++	0.56	41.0	22.0	11.0	37.5	1.0	C45S1564-FS****++
0.0015	13.0	9.0	4.0	10.0	0.6	C45S1152-40****++	0.12	26.5	15.0	6.0	22.5	0.8	C45S1124-9S****++	0.68	41.0	22.0	11.0	37.5	1.0	C45S1684-FS****++
0.0018	13.0	9.0	4.0	10.0	0.6	C45S1182-40****++	0.15	26.5	16.0	7.0	22.5	0.8	C45S1154-9S****++	0.82M	41.0	22.0	11.0	37.5	1.0	C45S1824MFS****++
0.0022	13.0	9.0	4.0	10.0	0.6	C45S1222-40****++	0.18	26.5	17.0	8.5	22.5	0.8	C45S1184-9S****++	0.82K	41.0	24.0	13.0	37.5	1.0	C45S1824KFS****++
0.0027	13.0	9.0	4.0	10.0	0.6	C45S1272-40****++	0.22	26.5	17.0	8.5	22.5	0.8	C45S1224-9S****++	1.0	41.0	24.0	13.0	37.5	1.0	C45S1105-FS****++
0.0033	13.0	9.0	4.0	10.0	0.6	C45S1332-40****++	0.27	26.5	18.5	10.0	22.5	0.8	C45S1274-9S****++	1.0	42.0	15.0	24.0	37.5	1.0	C45S1105-FC****++
0.0039	13.0	9.0	4.0	10.0	0.6	C45S1392-40****++	0.33	26.5	20.0	11.0	22.5	0.8	C45S1334-9S****++	1.2	41.0	26.0	15.0	37.5	1.0	C45S1125-FA****++
0.0047	13.0	9.0	4.0	10.0	0.6	C45S1472-4S****++	0.39	26.5	20.0	11.0	22.5	0.8	C45S1394-9S****++	1.2	42.0	28.0	14.0	37.5	1.0	C45S1125-FS****++
0.0056	13.0	9.0	4.0	10.0	0.6	C45S1562-4S****++	0.47M	26.5	22.0	12.0	22.5	0.8	C45S1474M9S****++	1.5M	41.0	26.0	15.0	37.5	1.0	C45S1155MFA****++
0.0068	13.0	9.0	4.0	10.0	0.6	C45S1682-4S****++	0.47K	26.5	23.0	13.5	22.5	0.8	C45S1474K9S****++	1.5M	42.0	28.0	14.0	37.5	1.0	C45S1155MFS****++
0.0082	13.0	9.0	4.0	10.0	0.6	C45S1822-4S****++	0.56M	26.5	23.0	13.5	22.5	0.8	C45S1564M9S****++	1.5K	41.0	30.0	16.0	37.5	1.0	C45S1155KFS****++
0.010	13.0	9.0	4.0	10.0	0.6	C45S1103-4S****++	0.56K	26.5	24.5	15.5	22.5	0.8	C45S1564K9S****++	1.5	42.0	19.0	24.0	37.5	1.0	C45S1155-FC****++
0.012	13.0	11.0	5.0	10.0	0.6	C45S1123-4S****++	0.68M	26.5	24.5	15.5	22.5	0.8	C45S1684M9S****++	1.8M	41.0	30.0	16.0	37.5	1.0	C45S1185MFS****++
0.015	13.0	11.0	5.0	10.0	0.6	C45S1153-4S****++	0.15	32.0	18.0	9.0	27.5	0.8	C45S1154-B0****++	1.8K	41.0	32.0	17.0	37.5	1.0	C45S1185KFS****++
0.018	13.0	11.0	5.0	10.0	0.6	C45S1183-4S****++	0.18	32.0	18.0	9.0	27.5	0.8	C45S1184-B0****++	2.2M	41.0	32.0	17.0	37.5	1.0	C45S1225MFA****++
0.022	13.0	11.0	5.0	10.0	0.6	C45S1223-4S****++	0.22	32.0	18.0	9.0	27.5	0.8	C45S1224-B0****++	2.2	41.0	33.5	18.5	37.5	1.0	C45S1225-FS****++
0.027	13.0	12.0	6.0	10.0	0.6	C45S1273-4S****++	0.27	32.0	18.0	9.0	27.5	0.8	C45S1274-BS****++	2.7	41.0	37.0	22.0	37.5	1.0	C45S1275-FS****++
0.033	13.0	12.0	6.0	10.0	0.6	C45S1333-4S****++	0.33	32.0	18.0	9.0	27.5	0.8	C45S1334-BS****++	3.3M	41.0	37.0	22.0	37.5	1.0	C45S1335MFS****++
0.039	13.0	13.0	7.0	10.0	0.6	C45S1393-4S****++	0.33	32.0	12.0	18.0	27.5	0.8	C45S1334-BC****++	3.3K	41.0	41.0	26.0	37.5	1.0	C45S1335KFS****++
0.047M	13.0	13.0	7.0	10.0	0.6	C45S1473M4S****++	0.39	32.0	20.0	11.0	27.5	0.8	C45S1394-BS****++	3.3K	41.5	37.5	27.5	37.5	1.0	C45S1335KFA****++
0.047K	13.0	14.0	8.0	10.0	0.6	C45S1473K4S****++	0.47	32.0	20.0	11.0	27.5	0.8	C45S1474-BS****++	3.9	41.0	41.0	26.0	37.5	1.0	C45S1395-FS****++
0.056	13.0	14.0	8.0	10.0	0.6	C45S1563-4S****++	★ 0.47	32.0	12.0	22.0	27.5	0.8	C45S1474-BC****++	3.9	41.5	37.5	27.5	37.5	1.0	C45S1395-FA****++
0.010	17.5	9.5	5.0	15.0	0.6	C45S1103-6S****++	0.56	32.0	22.0	13.0	27.5	0.8	C45S1564-BS****++	4.7M	41.0	43.0	28.0	37.5	1.0	C45S1475MFS****++
0.012	17.5	9.5	5.0	15.0	0.6	C45S1123-6S****++	0.68M	32.0	22.0	13.0	27.5	0.8	C45S1684MBS****++	4.7K	42.0	45.0	30.0	37.5	1.0	C45S1475KFS****++
0.015	17.5	9.5	5.0	15.0	0.6	C45S1153-6S****++	0.68K	32.0	25.0	13.0	27.5	0.8	C45S1684KBA****++	★ 4.7	57.0	38.0	24.0	52.5	1.2	C45S1475-MST****++
0.018	17.5	9.5	5.0	15.0	0.6	C45S1183-6S****++	0.68K	32.0	24.5	15.0	27.5	0.8	C45S1684KBS****++	5.6	57.0	45.0	30.0	52.5	1.2	C45S1565-MST****++
0.022	17.5	9.5	5.0	15.0	0.6	C45S1223-6S****++	★ 0.68	32.0	16.0	22.0	27.5	0.8	C45S1684-BC****++	6.8	57.0	45.0	30.0	52.5	1.2	C45S1685-MST****++
0.027	17.5	11.0	5.0	15.0	0.6	C45S1273-6S****++	0.82M	32.0	25.0	13.0	27.5	0.8	C45S1824MBS****++	6.8	57.0	30.0	44.0	52.5	1.2	C45S1685-MCT****++
0.033	17.5	11.0	5.0	15.0	0.6	C45S1333-6S****++	0.82K	32.0	24.5	15.0	27.5	0.8	C45S1824KBS****++	8.2	57.0	50.0	35.0	52.5	1.2	C45S1825-MST****++
0.039	17.5	12.0	6.0	15.0	0.6	C45S1393-6S****++	0.82K	32.0	28.0	14.0	27.5	0.8	C45S1824KBA****++	10.0	57.0	50.0	35.0	52.5	1.2	C45S1106-MST****++
0.047	17.5	12.0	6.0	15.0	0.6	C45S1473-6S****++														

备注: 1. “-”表示容量偏差。 “-”=capacitance tolerance code, M=±20%,K=±10%  
 2. “\*\*\*\*”表示引线加工和包装代码(见table 1)。“\*\*\*\*\*”=lead form and packing code (refer to table 1)  
 3. “#”当额定电压为480Vac时,第4~5位是S3。“#”when the rated voltage is 480Vac,the digit 4~5 is S3.  
 4. “★”表示外壳为圆弧底。“★”=Arc bottom of the outer shell.



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