

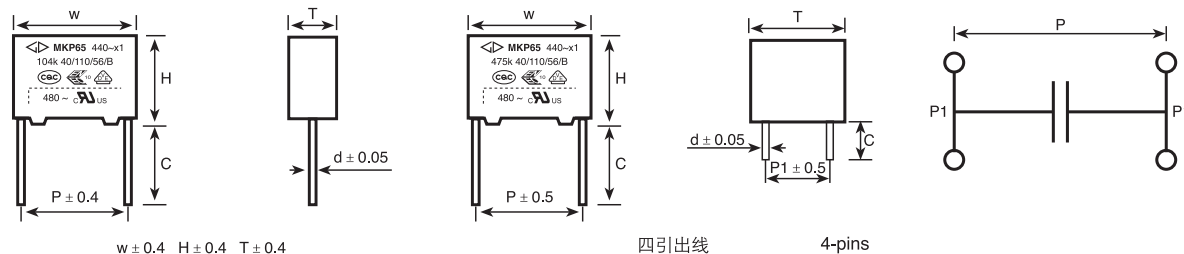


MKP65

Code: C45

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

■ 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
- 广泛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
- Widely used in across-the-line, interference suppression circuit, etc.

■ 安全认证 Safety Approvals

●		CQC (中国)	IEC 60384-14:2005, X1, 440Vac/480Vac, 0.0010μF ~ 10.0μF, 40/110/56/B 证书号(Certificate No.): CQC06001016942
●		ENEC-VDE (欧盟)	EN 60384-14:2005, X1, 440Vac, 0.0047μF ~ 4.7μF, 40/110/56/B 证书号(Certificate No.): 40021925
●		UL/CUL (美国/加拿大)	UL60384-14:2009, CSA E60384-14:09, X1, 440Vac/480Vac, 0.0010μF ~ 10.0μF, 40/110/56/B 证书号(File No.): E186600, CCN: FOWX2/8

■ 技术要求 Specifications

电容器类别 Class	X1 类		
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 U _R Rated Voltage	440Vac/480Vac, 50/60Hz		
最大连续交流电压 Maximum continuous AC voltage	525Vac, 50/60Hz		
最大连续直流电压 Maximum continuous DC voltage	1 000Vdc		
电容量范围 Capacitance Range	0.0047μF ~ 10.0μF		
电容量偏差 Capacitance Tolerance	± 10%(K), ± 20%(M)		
耐电压 Voltage Proof	引线之间 Between Terminals:	3 400 (Vdc) (2s)	
	极壳之间 Between Terminals To Case:	2 560 (Vac) (1min)	
绝缘电阻 Insulation Resistance	R ≥ 15 000MΩ, C _N ≤ 0.33μF RC _N ≥ 5 000s, C _N > 0.33μF (20℃ ,100V, 1min)		
损耗角正切 Dissipation Factor	0.0010μF < C _N ≤ 0.47μF	≤ 15 x 10 ⁻⁴ (1kHz,20℃)	≤ 20 x 10 ⁻⁴ (10kHz,20℃)
	0.47μF < C _N ≤ 1.0μF	≤ 20 x 10 ⁻⁴ (1kHz,20℃)	≤ 40 x 10 ⁻⁴ (10kHz,20℃)
	1.0μF < C _N	≤ 30 x 10 ⁻⁴ (1kHz,20℃)	-----

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	Digit 1 to 3	Series code
	C45=MKP65		C45=MKP65
第4~5位	交流额定电压	Digit 4 to 5	A.C. rated voltage
	S1=440V S3=480V		S1=440V S3=480V
第6~8位	标称容量	Digit 6 to 8	Rated capacitance value
	举例: 103=10 × 10 ³ pF=0.01μF		For example: 103=10 × 10 ³ pf=0.01μF
第9位	容量偏差	Digit 9	Capacitance tolerance
	K= ± 10%, M= ± 20%		K= ± 10%, M= ± 20%
第10位	引线脚距P	Digit 10	Pitch
	3=7.5mm 4=10.0mm 6=15.0mm		3=7.5mm 4=10.0mm 6=15.0mm
	9=22.5mm B=27.5mm F=37.5mm		9=22.5mm B=27.5mm F=37.5mm
	M=52.5mm		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			引线长度偏差 ± 0.5mm 或标准长度 Length tolerance ± 0.5mm Or standard length
		00 45	标准的引线长度 (18mm~26mm) standard lead length 引线长度 4.5mm lead length 4.5mm				
1 3 6	P1=10mm ± 0.5mm P1=20mm ± 0.5mm P1=5mm ± 0.5mm	45 55	引线长度 4.5mm lead length 4.5mm 引线长度 5.5mm lead length 5.5mm	0			引线长度偏差 ± 0.5mm 或标准长度 Length tolerance ± 0.5mm Or standard length



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■ 外形尺寸 Dimensions (mm)

440Vac / 480Vac						
C _N (μF)	W	H	T	P	d	Part number
0.0010	10.5	9.0	4.0	7.5	0.6	C45S1102-30****++
0.0012	10.5	9.0	4.0	7.5	0.6	C45S1122-30****++
0.0015	10.5	9.0	4.0	7.5	0.6	C45S1152-30****++
0.0018	10.5	9.0	4.0	7.5	0.6	C45S1182-30****++
0.0022	10.5	9.0	4.0	7.5	0.6	C45S1222-30****++
0.0027	10.5	9.0	4.0	7.5	0.6	C45S1272-30****++
0.0033	10.5	9.0	4.0	7.5	0.6	C45S1332-30****++
0.0039	10.5	9.0	4.0	7.5	0.6	C45S1392-30****++
0.0047	10.5	9.0	4.0	7.5	0.6	C45S1472-30****++
0.0056	10.5	9.0	4.0	7.5	0.6	C45S1562-30****++
0.0068	10.5	11.0	5.0	7.5	0.6	C45S1682-30****++
0.0082	10.5	11.0	5.0	7.5	0.6	C45S1822-30****++
0.010	10.5	11.0	5.0	7.5	0.6	C45S1103-30****++
0.012	10.5	12.0	6.0	7.5	0.6	C45S1123-30****++
0.015M	10.5	12.0	6.0	7.5	0.6	C45S1153M30****++
0.0010	13.0	9.0	4.0	10.0	0.6	C45S1102-40****++
0.0012	13.0	9.0	4.0	10.0	0.6	C45S1122-40****++
0.0015	13.0	9.0	4.0	10.0	0.6	C45S1152-40****++
0.0018	13.0	9.0	4.0	10.0	0.6	C45S1182-40****++
0.0022	13.0	9.0	4.0	10.0	0.6	C45S1222-40****++
0.0027	13.0	9.0	4.0	10.0	0.6	C45S1272-40****++
0.0033	13.0	9.0	4.0	10.0	0.6	C45S1332-40****++
0.0039	13.0	9.0	4.0	10.0	0.6	C45S1392-40****++
0.0047	13.0	9.0	4.0	10.0	0.6	C45S1472-4S****++
0.0056	13.0	9.0	4.0	10.0	0.6	C45S1562-4S****++
0.0068	13.0	9.0	4.0	10.0	0.6	C45S1682-4S****++
0.0082	13.0	9.0	4.0	10.0	0.6	C45S1822-4S****++
0.010	13.0	9.0	4.0	10.0	0.6	C45S1103-4S****++
0.012	13.0	11.0	5.0	10.0	0.6	C45S1123-4S****++
0.015	13.0	11.0	5.0	10.0	0.6	C45S1153-4S****++
0.018	13.0	11.0	5.0	10.0	0.6	C45S1183-4S****++
0.022	13.0	11.0	5.0	10.0	0.6	C45S1223-4S****++
0.027	13.0	12.0	6.0	10.0	0.6	C45S1273-4S****++
0.033	13.0	12.0	6.0	10.0	0.6	C45S1333-4S****++
0.039	13.0	13.0	7.0	10.0	0.6	C45S1393-4S****++
0.047M	13.0	13.0	7.0	10.0	0.6	C45S1473M4S****++
0.047K	13.0	14.0	8.0	10.0	0.6	C45S1473K4S****++
0.056	13.0	14.0	8.0	10.0	0.6	C45S1563-4S****++
0.010	17.5	9.5	5.0	15.0	0.6	C45S1103-6S****++
0.012	17.5	9.5	5.0	15.0	0.6	C45S1123-6S****++
0.015	17.5	9.5	5.0	15.0	0.6	C45S1153-6S****++
0.018	17.5	9.5	5.0	15.0	0.6	C45S1183-6S****++
0.022	17.5	9.5	5.0	15.0	0.6	C45S1223-6S****++
0.027	17.5	11.0	5.0	15.0	0.6	C45S1273-6S****++
0.033	17.5	11.0	5.0	15.0	0.6	C45S1333-6S****++
0.039	17.5	12.0	6.0	15.0	0.6	C45S1393-6S****++
0.047	17.5	12.0	6.0	15.0	0.6	C45S1473-6S****++
440Vac / 480Vac						
C _N (μF)	W	H	T	P	d	Part number
0.056M	17.5	12.0	6.0	15.0	0.6	C45S1563M6S****++
0.056K	17.5	12.0	7.0	15.0	0.6	C45S1563K6S****++
0.068	17.5	13.5	7.5	15.0	0.6	C45S1683-6S****++
0.068	17.5	12.0	13.0	15.0	0.8	C45S1683-6C****++
0.082	17.5	14.0	8.0	15.0	0.6	C45S1823-6S****++
0.10M	17.5	14.0	8.0	15.0	0.6	C45S1104M6S****++
0.10K	17.5	14.5	8.5	15.0	0.6	C45S1104K6S****++
0.12	17.5	16.0	10.0	15.0	0.8	C45S1124-6S****++
0.15M	17.5	16.0	10.0	15.0	0.8	C45S1154M6S****++
0.15K	17.5	19.0	11.0	15.0	0.8	C45S1154K6S****++
0.18	17.5	19.0	11.0	15.0	0.8	C45S1184-6S****++
0.039	26.5	15.0	6.0	22.5	0.8	C45S1393-90****++
0.047	26.5	15.0	6.0	22.5	0.8	C45S1473-90****++
0.056	26.5	15.0	6.0	22.5	0.8	C45S1563-90****++
0.068	26.5	15.0	6.0	22.5	0.8	C45S1683-90****++
0.082	26.5	15.0	6.0	22.5	0.8	C45S1823-9S****++
0.10	26.5	15.0	6.0	22.5	0.8	C45S1104-9S****++
0.12	26.5	15.0	6.0	22.5	0.8	C45S1124-9S****++
0.15	26.5	16.0	7.0	22.5	0.8	C45S1154-9S****++
0.18	26.5	17.0	8.5	22.5	0.8	C45S1184-9S****++
0.22	26.5	17.0	8.5	22.5	0.8	C45S1224-9S****++
0.27	26.5	18.5	10.0	22.5	0.8	C45S1274-9S****++
0.33	26.5	20.0	11.0	22.5	0.8	C45S1334-9S****++
0.39	26.5	20.0	11.0	22.5	0.8	C45S1394-9S****++
0.47M	26.5	22.0	12.0	22.5	0.8	C45S1474M9S****++
0.47K	26.5	23.0	13.5	22.5	0.8	C45S1474K9S****++
0.56M	26.5	23.0	13.5	22.5	0.8	C45S1564M9S****++
0.56K	26.5	24.5	15.5	22.5	0.8	C45S1564K9S****++
0.68M	26.5	24.5	15.5	22.5	0.8	C45S1684M9S****++
0.15	32.0	18.0	9.0	27.5	0.8	C45S1154-B0****++
0.18	32.0	18.0	9.0	27.5	0.8	C45S1184-B0****++
0.22	32.0	18.0	9.0	27.5	0.8	C45S1224-B0****++
0.27	32.0	18.0	9.0	27.5	0.8	C45S1274-BS****++
0.33	32.0	18.0	9.0	27.5	0.8	C45S1334-BS****++
0.33	32.0	12.0	18.0	27.5	0.8	C45S1334-BC****++
0.39	32.0	20.0	11.0	27.5	0.8	C45S1394-BS****++
0.47	32.0	20.0	11.0	27.5	0.8	C45S1474-BS****++
0.47	32.0	12.0	22.0	27.5	0.8	C45S1474-BC****++
0.56	32.0	22.0	13.0	27.5	0.8	C45S1564-BS****++
0.68M	32.0	22.0	13.0	27.5	0.8	C45S1684MBS****++
0.68K	32.0	25.0	13.0	27.5	0.8	C45S1684KBA****++
0.68K	32.0	24.5	15.0	27.5	0.8	C45S1684KBS****++
0.68	32.0	16.0	22.0	27.5	0.8	C45S1684-BC****++
0.82M	32.0	25.0	13.0	27.5	0.8	C45S1824MBS****++
0.82K	32.0	24.5	15.0	27.5	0.8	C45S1824KBS****++
0.82K	32.0	28.0	14.0	27.5	0.8	C45S1824KBA****++
440Vac / 480Vac						
C _N (μF)	W	H	T	P	d	Part number
1.0M	32.0	16.0	27.5	27.5	0.8	C45S1105MBC****++
1.0K	32.0	18.5	31.0	27.5	0.8	C45S1105KBC****++
1.0	32.0	28.0	17.0	27.5	0.8	C45S1105-BA****++
1.0	32.0	30.0	16.0	27.5	0.8	C45S1105-BS****++
1.2M	32.0	30.0	16.0	27.5	0.8	C45S1125MBS****++
1.2M	32.0	28.0	17.0	27.5	0.8	C45S1125MBA****++
1.2K	32.0	29.0	19.0	27.5	0.8	C45S1125KBA****++
1.2K	32.0	33.0	18.0	27.5	0.8	C45S1125KBS****++
1.5M	32.0	29.0	19.0	27.5	0.8	C45S1155MBA****++
1.5M	32.0	18.5	31.0	27.5	0.8	C45S1155MBC****++
1.5	32.0	33.0	18.0	27.5	0.8	C45S1155-BS****++
1.8	32.0	37.0	22.0	27.5	0.8	C45S1185-BS****++
2.2M	32.0	37.0	22.0	27.5	0.8	C45S1225MBS****++
0.33	41.0	22.0	11.0	37.5	1.0	C45S1334-F0****++
0.39	41.0	22.0	11.0	37.5	1.0	C45S1394-F0****++
0.47	41.0	22.0	11.0	37.5	1.0	C45S1474-FS****++
0.56	41.0	22.0	11.0	37.5	1.0	C45S1564-FS****++
0.68	41.0	22.0	11.0	37.5	1.0	C45S1684-FS****++
0.82M	41.0	22.0	11.0	37.5	1.0	C45S1824MFS****++
0.82K	41.0	24.0	13.0	37.5	1.0	C45S1824KFS****++
1.0	41.0	24.0	13.0	37.5	1.0	C45S1105-FS****++
1.0	42.0	15.0	24.0	37.5	1.0	C45S1105-FC****++
1.2	41.0	26.0	15.0	37.5	1.0	C45S1125-FA****++
1.2	42.0	28.0	14.0	37.5	1.0	C45S1125-FS****++
1.5M	41.0	26.0	15.0	37.5	1.0	C45S1155MFA****++
1.5M	42.0	28.0	14.0	37.5	1.0	C45S1155MFS****++
1.5K	41.0	30.0	16.0	37.5	1.0	C45S1155KFS****++
1.5	42.0	19.0	24.0	37.5	1.0	C45S1155-FC****++
1.8M	41.0	30.0	16.0	37.5	1.0	C45S1185MFS****++
1.8K	41.0	32.0	17.0	37.5	1.0	C45S1185KFS****++
2.2M	41.0	32.0	17.0	37.5	1.0	C45S1225MFA****++
2.2	41.0	33.5	18.5	37.5	1.0	C45S1225-FS****++
2.7	41.0	37.0	22.0	37.5	1.0	C45S1275-FS****++
3.3M	41.0	37.0	22.0	37.5	1.0	C45S1335MFS****++
3.3K	41.0	41.0	26.0	37.5	1.0	C45S1335KFS****++
3.3K	41.5	37.5	27.5	37.5	1.0	C45S1335KFA****++
3.9	41.0	41.0	26.0	37.5	1.0	C45S1395-FS****++
3.9	41.5	37.5	27.5	37.5	1.0	C45S1395-FA****++
4.7M	41.0	43.0	28.0	37.5	1.0	C45S1475MFS****++
4.7K	42.0	45.0	30.0	37.5	1.0	C45S1475KFS****++
4.7	57.0	38.0	24.0	52.5	1.2	C45S1475-MS3****++
5.6	57.0	45.0	30.0	52.5	1.2	C45S1565-MS3****++
6.8	57.0	45.0	30.0	52.5	1.2	C45S1685-MS3****++
6.8	57.0	30.0	44.0	52.5	1.2	C45S1685-MC3****++
8.2	57.0	50.0	35.0	52.5	1.2	C45S1825-MS3****++
10.0	57.0	50.0	35.0	52.5	1.2	C45S1106-MS3****++

- 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.