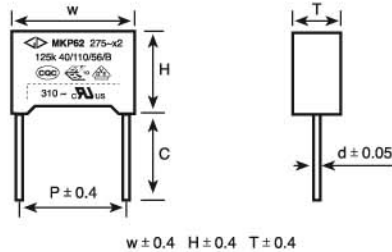




**C42**  
MKP62 series

## 金属化聚丙烯膜抗干扰电容器(X2类, 275Vac/305Vac) Metallized polypropylene film interference suppression capacitor(Class X2, 275Vac/305Vac)

### ■ 外形图 Outline Drawing



### ■ 特点

- 金属化聚丙烯
- 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
- 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)	GB/T 14472-1998, 275/305VAC, 0.0010μF~10.0μF 证书号(Certificate No.): CQC03001002875
●		ENEC-VDE (欧盟)	EN 60384-14:2005, 275/305VAC, 0.0010μF~10.0μF 证书号(Certificate No.): 40000358
●		UL/CUL (美国/加拿大)	UL1414 CSA C22.2 No.1, 250 VAC, 0.001μF to 1.0μF 证书号(Certificate No.): E186600 UL1283 CSA C22.2 No.8, 310 VAC, 0.001μF to 10.0μF 证书号(Certificate No.): E186662
●	<b>CB TEST CERTIFICATE</b>		IEC 60384-14:2005 X2, 275/305 VAC, 0.001μF~10.0μF, 40/110/56/B 证书号(Certificate No.): DE1-12559/M2

### ■ 技术要求 Specifications

气候类别/阻燃等级 Climatic Category/Passive Flammability Class	40/110/56/B		
工作温度范围 Operating Temperature Range	-40℃ ~ +110℃		
电容器类别 Class	X2类		
额定电压 Rated Voltage	275/305Vac		
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:	2 000Vdc(2s) C <sub>R</sub> < 1.0μF	
		1 800Vdc(2s) C <sub>R</sub> > 1.0μF	
	极壳之间 Between Terminals To Case:	2 110Vac(1min)	
绝缘电阻 Insulation Resistance	> 15 000MΩ, C <sub>R</sub> < 0.33μF > 5 000s, C <sub>R</sub> > 0.33μF (20℃, 100V, 1min)		
损耗角正切 Dissipation Factor	0.0010μF < C <sub>R</sub> < 0.47μF	< 10 x 10 <sup>-4</sup> (1kHz, 20℃)	< 20 x 10 <sup>-4</sup> (10kHz, 20℃)
	0.47μF < C <sub>R</sub> < 1.0μF	< 20 x 10 <sup>-4</sup> (1kHz, 20℃)	< 40 x 10 <sup>-4</sup> (10kHz, 20℃)
	C <sub>R</sub> > 1.0μF	< 30 x 10 <sup>-4</sup> (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	2															

第1~3位	薄膜电容器系列代码 C42=MKP62	Digit 1 to 3	Series code of film capacitor C42=MKP62
第4~5位	交流额定电压 P2=275V Q2=305V	Digit 4 to 5	AC rated voltage P2=275V Q2=305V
第6~8位	标称容量 举例: 103=10 x 10 <sup>3</sup> pF=0.01μF	Digit 6 to 8	Rated capacitance value For example: 103=10 x 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	Digit 10	Pitch 3=7.5mm 4=10.0mm 6=15.0mm 9=22.5mm B=27.5mm F=37.5mm
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

### ■ Table1 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	3	F=7.5mm	0	表示直脚 straight	1	产品在连续的两个载带孔之间 each cap. among two consecutive holes P3=12.7mm, H=18.5mm (For pitch=7.5mm)
		4	F=10.0mm				
		6	F=15.0mm				
C	直脚 straight lead "C" in the figure above	代码 Code	说明 explanation	0		5	P3=25.4mm, H=18.5mm (For pitch=10.0/15.0mm) (Detail parameter refer to pag 15)
		00	标准的引线长度(18mm~26mm) standard lead length				
		45	引线长度 4.5mm lead length 4.5mm				
							引线长度偏差 ± 0.5mm或标准长度 Length tolerance ± 0.5mm Or standard length



**C42**  
MKP62 series

■ 外形尺寸 Dimensions(mm)  
Reduced sizes

275Vac							275Vac							275Vac						
容量 (μF)	W	H	T	P	d	产品代码 Part number	容量 (μF)	W	H	T	P	d	产品代码 Part number	容量 (μF)	W	H	T	P	d	产品代码 Part number
0.033	13.0	9.0	4.0	10.0	0.6	C42P2333-4S****++	0.22	26.5	15.0	6.0	22.5	0.8	C42P2224-9S****++	1.8	41.0	22.0	11.0	37.5	1.0	C42P2185-FS****++
0.039	13.0	9.0	4.0	10.0	0.6	C42P2393-4S****++	0.27	26.5	15.0	6.0	22.5	0.8	C42P2274-9S****++	2.2	41.0	24.0	13.0	37.5	1.0	C42P2225-FS****++
0.047	13.0	9.0	4.0	10.0	0.6	C42P2473-4S****++	0.33	26.5	15.0	6.0	22.5	0.8	C42P2334-9S****++	2.7	41.0	24.0	13.0	37.5	1.0	C42P2275-FS****++
0.056	13.0	11.0	5.0	10.0	0.6	C42P2563-4S****++	0.39	26.5	15.0	6.0	22.5	0.8	C42P2394-9S****++	3.3	41.0	28.0	14.0	37.5	1.0	C42P2335-FS****++
0.068	13.0	11.0	5.0	10.0	0.6	C42P2683-4S****++	0.47M	26.5	15.0	6.0	22.5	0.8	C42P2474M9S****++	3.9	41.0	30.0	16.0	37.5	1.0	C42P2395-FS****++
0.082	13.0	11.0	5.0	10.0	0.6	C42P2823-4S****++	0.47K	26.5	16.0	7.0	22.5	0.8	C42P2474K9S****++	4.7	41.0	30.0	16.0	37.5	1.0	C42P2475-FS****++
0.10M	13.0	11.0	5.0	10.0	0.6	C42P2104M4S****++	0.56	26.5	16.0	7.0	22.5	0.8	C42P2564-9S****++	5.6	41.0	33.5	18.5	37.5	1.0	C42P2565-FS****++
0.10K	13.0	12.0	6.0	10.0	0.6	C42P2104K4S****++	0.60	26.5	17.0	8.5	22.5	0.8	C42P2604-9S****++	6.8	41.0	33.5	18.5	37.5	1.0	C42P2685-FS****++
0.12	13.0	13.0	7.0	10.0	0.6	C42P2124-4S****++	0.68	26.5	17.0	8.5	22.5	0.8	C42P2684-9S****++	8.2	41.0	37.0	22.0	37.5	1.0	C42P2825-FS****++
0.15	13.0	13.0	7.0	10.0	0.6	C42P2154-4S****++	0.82	26.5	18.5	10.0	22.5	0.8	C42P2824-9S****++	10.0M	41.0	37.0	22.0	37.5	1.0	C42P2106MFS****++
0.18	13.0	14.0	8.0	10.0	0.6	C42P2184-4S****++	1.0	26.5	18.5	10.0	22.5	0.8	C42P2105-9S****++	10.0K	41.0	41.0	26.0	37.5	1.0	C42P2106KFS****++
0.22M	13.0	14.0	8.0	10.0	0.6	C42P2224M4S****++	1.2	26.5	20.0	11.0	22.5	0.8	C42P2125-9S****++							
0.10M	17.5	9.5	5.0	15.0	0.6	C42P2104M6A****++	1.5M	26.5	20.0	11.0	22.5	0.8	C42P2155M9S****++							
0.10	17.5	11.0	5.0	15.0	0.6	C42P2104-6S****++	1.5K	26.5	22.0	12.0	22.5	0.8	C42P2155K9S****++							
0.12	17.5	11.0	5.0	15.0	0.6	C42P2124-6S****++	1.8	26.5	24.5	15.5	22.5	0.8	C42P2185-9S****++							
0.15M	17.5	11.0	5.0	15.0	0.6	C42P2154M6S****++	2.2	26.5	24.5	15.5	22.5	0.8	C42P2225-9S****++							
0.15K	17.5	12.0	6.0	15.0	0.6	C42P2154K6S****++	0.82	32.0	18.0	9.0	27.5	0.8	C42P2824-B****++							
0.18	17.5	12.0	6.0	15.0	0.6	C42P2184-6S****++	1.0	32.0	18.0	9.0	27.5	0.8	C42P2105-B****++							
0.22M	17.5	12.0	6.0	15.0	0.6	C42P2224M6S****++	1.2	32.0	20.0	11.0	27.5	0.8	C42P2125-B****++							
0.22K	17.5	13.5	7.5	15.0	0.6	C42P2224K6S****++	1.5	32.0	20.0	11.0	27.5	0.8	C42P2155-B****++							
0.22K	17.5	12.5	9.0	15.0	0.6	C42P2224K6A****++	1.8	32.0	22.0	13.0	27.5	0.8	C42P2185-B****++							
0.22K	17.5	13.5	6.0	15.0	0.6	C42P2224K6B****++	2.2M	32.0	22.0	13.0	27.5	0.8	C42P2225MBS****++							
0.27	17.5	13.5	7.5	15.0	0.6	C42P2274-6S****++	2.2K	32.0	25.0	13.0	27.5	0.8	C42P2225KBS****++							
0.33M	17.5	13.5	7.5	15.0	0.6	C42P2334M6S****++	2.7	32.0	28.0	14.0	27.5	0.8	C42P2275-B****++							
0.33K	17.5	14.0	8.0	15.0	0.6	C42P2334K6S****++	3.3	32.0	33.0	18.0	27.5	0.8	C42P2335-B****++							
0.33M	17.5	12.5	9.0	15.0	0.6	C42P2334M6A****++	3.9	32.0	33.0	18.0	27.5	0.8	C42P2395-B****++							
0.33M	17.5	17.5	6.0	15.0	0.6	C42P2334M6B****++	4.7M	32.0	33.0	18.0	27.5	0.8	C42P2475MBS****++							
0.33K	17.5	18.5	7.5	15.0	0.8	C42P2334K6A****++	4.7K	32.0	37.0	22.0	27.5	0.8	C42P2475KBS****++							
0.39	17.5	14.5	8.5	15.0	0.6	C42P2394-6S****++	5.6	32.0	37.0	22.0	27.5	0.8	C42P2565-B****++							
0.47M	17.5	14.5	8.5	15.0	0.6	C42P2474M6S****++	6.8M	32.0	37.0	22.0	27.5	0.8	C42P2685MBS****++							
0.47M	17.5	18.5	7.5	15.0	0.8	C42P2474M6A****++														
0.47K	17.5	16.0	10.0	15.0	0.8	C42P2474K6S****++														
0.56	17.5	19.0	11.0	15.0	0.8	C42P2564-6S****++														
0.60	17.5	19.0	11.0	15.0	0.8	C42P2604-6S****++														
0.68	17.5	19.0	11.0	15.0	0.8	C42P2684-6S****++														
0.82M	17.5	19.0	11.0	15.0	0.8	C42P2824-6S****++														

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 packaging code(refer to table 1)

■ 外形尺寸 Dimensions(mm)

275/305Vac#							275/305Vac#							275/305Vac#						
容量 (μF)	W	H	T	P	d	产品代码 Part number	容量 (μF)	W	H	T	P	d	产品代码 Part number	容量 (μF)	W	H	T	P	d	产品代码 Part number
0.0010	10.5	9.0	4.0	7.5	0.6	C42P2102-30****++	0.010	17.5	9.5	5.0	15.0	0.6	C42P2103-6A****++	0.15	26.5	15.0	6.0	22.5	0.8	C42P2154-90****++
0.0012	10.5	9.0	4.0	7.5	0.6	C42P2122-30****++	0.012	17.5	9.5	5.0	15.0	0.6	C42P2123-6A****++	0.18	26.5	15.0	6.0	22.5	0.8	C42P2184-90****++
0.0015	10.5	9.0	4.0	7.5	0.6	C42P2152-30****++	0.015	17.5	9.5	5.0	15.0	0.6	C42P2153-6A****++	0.22	26.5	15.0	6.0	22.5	0.8	C42P2224-90****++
0.0018	10.5	9.0	4.0	7.5	0.6	C42P2182-30****++	0.018	17.5	9.5	5.0	15.0	0.6	C42P2183-6A****++	0.27	26.5	16.0	7.0	22.5	0.8	C42P2274-90****++
0.0022	10.5	9.0	4.0	7.5	0.6	C42P2222-30****++	0.022	17.5	9.5	5.0	15.0	0.6	C42P2223-6A****++	0.33	26.5	16.0	7.0	22.5	0.8	C42P2334-90****++
0.0027	10.5	9.0	4.0	7.5	0.6	C42P2272-30****++	0.027	17.5	9.5	5.0	15.0	0.6	C42P2273-6A****++	0.39	26.5	17.0	8.5	22.5	0.8	C42P2394-90****++
0.0033	10.5	9.0	4.0	7.5	0.6	C42P2332-30****++	0.033	17.5	9.5	5.0	15.0	0.6	C42P2333-6A****++	0.47	26.5	17.0	8.5	22.5	0.8	C42P2474-90****++
0.0039	10.5	9.0	4.0	7.5	0.6	C42P2392-30****++	0.039	17.5	9.5	5.0	15.0	0.6	C42P2393-6A****++	0.56	26.5	18.5	10.0	22.5	0.8	C42P2564-90****++
0.0047	10.5	9.0	4.0	7.5	0.6	C42P2472-30****++	0.047	17.5	9.5	5.0	15.0	0.6	C42P2473-6A****++	0.68	26.5	18.5	10.0	22.5	0.8	C42P2684-90****++
0.0056	10.5	9.0	4.0	7.5	0.6	C42P2562-30****++	0.056	17.5	9.5	5.0	15.0	0.6	C42P2563-6A****++	0.82	26.5	22.0	12.0	22.5	0.8	C42P2824-90****++
0.0068	10.5	9.0	4.0	7.5	0.6	C42P2682-30****++	0.068	17.5	9.5	5.0	15.0	0.6	C42P2683-6A****++	1.0	26.5	22.0	12.0	22.5	0.8	C42P2105-90****++
0.0082	10.5	9.0	4.0	7.5	0.6	C42P2822-30****++	0.082	17.5	9.5	5.0	15.0	0.6	C42P2823-6A****++	1.2	26.5	24.5	15.5	22.5	0.8	C42P2125-90****++
0.010	10.5	9.0	4.0	7.5	0.6	C42P2103-30****++	0.10	17.5	11.0	5.0	15.0	0.8	C42P2103-60****++	1.5	26.5	24.5	15.5	22.5	0.8	C42P2155-90****++
0.012	10.5	9.0	4.0	7.5	0.6	C42P2123-30****++	0.12	17.5	11.0	5.0	15.0	0.8	C42P2123-60****++	0.47	32.0	18.0	9.0	27.5	0.8	C42P2474-B0****++
0.015	10.5	9.0	4.0	7.5	0.6	C42P2153-30****++	0.15	17.5	11.0	5.0	15.0	0.8	C42P2153-60****++	0.56	32.0	18.0	9.0	27.5	0.8	C42P2564-B0****++
0.018	10.5	9.0	4.0	7.5	0.6	C42P2183-30****++	0.18	17.5	11.0	5.0	15.0	0.8	C42P2183-60****++	0.68	32.0	18.0	9.0	27.5	0.8	C42P2684-B0****++
0.022	10.5	9.0	4.0	7.5	0.6	C42P2223-30****++	0.022	17.5	11.0	5.0	15.0	0.8	C42P2223-60****++	0.82	32.0	20.0	11.0	27.5	0.8	C42P2824-B0****++
0.027	10.5	11.0	5.0	7.5	0.6	C42P2273-30****++	0.027	17.5	11.0	5.0	15.0	0.8	C42P2273-60****++	1.0	32.0	20.0	11.0	27.5	0.8	C42P2105-B0****++
0.033	10.5	11.0	5.0	7.5	0.6	C42P2333-30****++	0.033	17.5	11.0	5.0	15.0	0.8	C42P2333-60****++	1.2	32.0	22.0	13.0	27.5	0.8	C42P2125-B0****++
0.039	10.5	12.0	6.0	7.5	0.6	C42P2393-30****++	0.039	17.5	11.0	5.0	15.0	0.8	C42P2393-60****++	1.5	32.0	22.0	13.0	27.5	0.8	C42P2155-B0****++
0.047	10.5	12.0	6.0	7.5	0.6	C42P2473-30****++	0.047	17.5	11.0	5.0	15.0	0.8	C42P2473-60****++	1.8	32.0	24.5	15.0	27.5	0.8	C42P2185-B0****++
0.0047	13.0	9.0	4.0	10.0	0.6	C42P2472-40****++	0.056	17.5	11.0	5.0	15.0	0.8	C42P2563-60****++	2.2	32.0	28.0	14.0	27.5	0.8	C42P2225-B0****++
0.0056	13.0	9.0	4.0	10.0	0.6	C42P2562-40****++	0.068	17.5	11.0	5.0	15.0	0.8	C42P2683-60****++	2.7	32.0	33.0	18.0	27.5	0.8	C42P2275-B0****++
0.0068	13.0	9.0	4.0	10.0	0.6	C42P2682-40****++	0.082	17.5	11.0	5.0	15.0	0.8	C42P2823-60****++	3.3	32.0	33.0	18.0	27.5	0.8	C42P2335-B0****++
0.0082	13.0	9.0	4.0	10.0	0.6	C42P2822-40****++	0.10	17.5	11.0	5.0	15.0	0.8	C42P2104-60****++	3.9	32.0	37.0	22.0	27.5	0.8	C42P2395-B0****++
0.010	13.0	9.0	4.0	10.0	0.6	C42P2103-40****++	0.12	17.5	12.0	6.0	15.0	0.8	C42P2124-60****++	4.7	32.0	37.0	22.0	27.5	0.8	C42P2475-B0****++
0.012	13.0	9.0	4.0	10.0	0.6	C42P2123-40****++	0.15	17.5	12.0	6.0	15.0	0.8	C42P2154-60****++	1.8	41.0	26.0	12.0	37.5	1.0	C42P2185-F0****++
0.015	13.0	9.0	4.0	10.0	0.6	C42P2153-40****++	0.18	17.5	13.5	7.5	15.0	0.8	C42P2184-60****++	2.2M	41.0	26.0	12.0	37.5	1.0	C42P2225MF0****++
0.018	13.0	9.0	4.0	10.0	0.6	C42P2183-40****++	0.22	17.5	13.5	7.5	15.0	0.8	C42P2224-60****++	2.2K	41.0	28.0	14.0	37.5	1.0	C42P2225KF0****++
0.022	13.0	9.0	4.0	10.0	0.6	C42P2223-40****++	0.27	17.5	14.5	8.5	15.0	0.8	C42P2274-60****++	2.7	41.0	28.0	14.0	37.5	1.0	C42P2275-F0****++
0.027	13.0	9.0	4.0	10.0	0.6	C42P2273-40****++	0.33	17.5	16.0	10.0	15.0	0.8	C42P2334-60****++	3.3	41.0	30.0	16.0	37.5	1.0	C42P2335-F0****++
0.033	13.0	11.0	5.0	10.0	0.6	C42P2333-40****++	0.39	17.5	19.0	11.0	15.0	0.8	C42P2394-60****++	3.9	41.0	32.0	17.0	37.5	1.0	C42P2395-F0****++
0.039	13.0	11.0	5.0	10.0	0.6	C42P2393-40****++	0.47	17.5	19.0	11.0	15.0	0.8	C42P2474-60****++	4.7	41.0	33.5	18.5	37.5	1.0	C42P2475-F0****++
0.047	13.0	11.0	5.0	10.0	0.6	C42P2473-40****++								5.6	41.0	37.0	22.0	37.5	1.0	C42P2565-F0****++
0.056	13.0	11.0	5.0	10.0	0.6	C42P2563-40****++								6.8	41.0	37.0	22.0	37.5	1.0	C42P2685-F0****++
0.068	13.0	12.0	6.0	10.0	0.6	C42P2683-40****++								8.2	41.0	41.0	26.0	37.5	1.0	C42P2825-F0****++
0.082	13.0	12.0	6.0	10.0	0.6	C42P2823-40****++								10.0	41.0	43.0	28.0	37.5	1.0	C42P2106-F0****++
0.10	13.0	12.0	6.0	10.0	0.6	C42P2104-40****++														
0.12	13.0	14.0	8.0	10.0	0.6	C42P2124-40****++														
0.15	13.0	14.0	8.0	10.0	0.6	C42P2154-40****++														

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 packaging code(refer to table 1)  
 3. “#”当额定电压为305VAC时,第4~5位是Q2。“#”when the rated voltage is 305VAC,the digit 4~5 is Q2.