

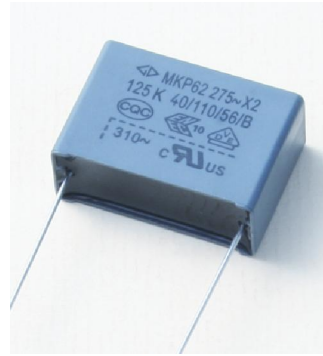
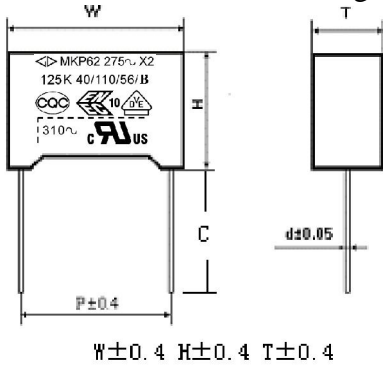
C42

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
CB TEST CERTIFICATE		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 _R 1.0μF	
	极壳之间 Between Terminals To Case:	1 800Vdc(2s) C _R >1.0μF	
绝缘电阻 Insulation Resistance	2 110Vac(1min)		
	15 000MΩ, C _R 0.33μF (20, 100V, 1min) 5 000s, C _R >0.33μF		
损耗角正切 Dissipation Factor	0.0010μF C _R 0.47μF	10×10 ⁻⁴ (1kHz, 20)	20×10 ⁻⁴ (10kHz, 20)
	0.47μF<C _R 1.0μF	20×10 ⁻⁴ (1kHz, 20)	40×10 ⁻⁴ (10kHz, 20)
	C _R >1.0μF	30×10 ⁻⁴ (1kHz, 20)	-----

www.DataSheet4U.com



产品编码说明 Part number system

18位产品代码如下：

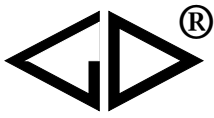
The 18 digits part number is formed as follow:

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 × 10 ³ pF=0.01μF	Digit 6 to 8	Rated capacitance value For example : 103=10 × 10 ³ 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

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	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	00	标准的引线长度(18mm~26mm) standard lead length	45	引线长度 4.5mm lead length 4.5mm	0	引线长度偏差 ± 0.5mm 或标准长度 Length tolerance ± 0.5mm or standard length
		45	引线长度 4.5mm lead length 4.5mm				



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	C42P2104M6S****++	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-BS****++							
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-BS****++							
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-BS****++							
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-BS****++							
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-BS****++							
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-BS****++							
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-BS****++							
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-BS****++							
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-BS****++							
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	C42P2824M6S****++														

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）



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*****	0.010	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*****	0.012	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*****	0.015	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*****	0.018	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 packing 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.