

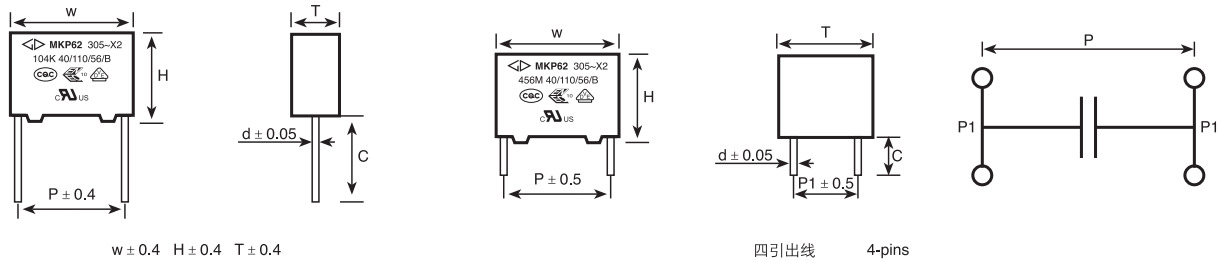


MKP62

Code: C42

金属化聚丙烯膜抗干扰电容器 (X2类, 305Vac/275Vac, 小型化) Metallized polypropylene film Interference Suppression capacitor (Class X2, 305Vac/275Vac, Miniature version)

■ 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
- 用于电源跨线路等抗干扰场合(室内)

■ Features

- Metallized polypropylene structure
- Withstanding overvoltage stressing
- Excellent active and passive flame resistant abilities
- Used in across-the-line, interference suppression circuit (indoor applications) .

■ 安全认证 Safety Approvals

●		CQC (中国)	GB/T 14472-1998, X2, 305Vac/275Vac, 0.0010 μF-50.0 μF, 40/110/56/B 证书号(Certificate No.): CQC03001002875
●		ENEC-VDE (欧盟)	EN 60384-14:2005, X2, 305Vac/275Vac, 0.0010 μF-50.0 μF, 40/110/56/B 证书号(Certificate No.): 40000358
●		UL/CUL (美国/加拿大)	UL 60384-14:2009, CSA E60384-14:09, X2, 305Vac/275Vac, 0.0010 μF-50.0 μF, 40/110/56/B 证书号(File No.): E186600, CCN: FOWX2/B
●		KC (韩国)	K 60384-14(2006-12), X2, 305Vac/275Vac, 0.0010 μF-3.0 μF, 40/110/56/B 证书号(Certificate No.): SU03060-12001A/12002/12003/12004

■ 技术要求 Specifications

电容器类别 Class	X2 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°C ~ +110°C		
额定电压 Rated Voltage	305Vac/275Vac, 50/60Hz		
最大额定电源电压 Max rated supply mains voltage	250Vac, 50/60Hz		
最大连续直流电压 Maximum continuous DC voltage	560Vdc, C _N ≤ 1.0μF ; 520 Vdc, C _N > 1.0μF		
电容量范围 Capacitance Range	0.0033μF ~ 45.0μF		
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 _N ≤ 1.0μF 1 800Vdc(2s) C _N > 1.0μF	
	极壳之间 Between Terminals To Case:	2 120Vac(1min)	
绝缘电阻 Insulation Resistance	R ≥ 15 000MΩ, C _N ≤ 0.33μF RC _N ≥ 5 000s, C _N > 0.33μF (20°C, 100V, 1min)		
损耗角正切 Dissipation Factor	0.0010μF ≤ C _N < 0.010μF	≤ 20 × 10 ⁻⁴ (1kHz, 20°C)	≤ 20 × 10 ⁻⁴ (10kHz, 20°C)
	0.010μF ≤ C _N < 0.47μF	≤ 10 × 10 ⁻⁴ (1kHz, 20°C)	≤ 20 × 10 ⁻⁴ (10kHz, 20°C)
	0.47μF ≤ C _N ≤ 1.0μF	≤ 20 × 10 ⁻⁴ (1kHz, 20°C)	≤ 40 × 10 ⁻⁴ (10kHz, 20°C)
	1.0μF < C _N ≤ 10.0μF	≤ 30 × 10 ⁻⁴ (1kHz, 20°C)	-----
	10.0μF < C _N ≤ 50.0μF	≤ 40 × 10 ⁻⁴ (1kHz, 20°C)	-----

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	型号代码 C42=MKP62	Digit 1 to 3	Series code C42=MKP62
第4~5位	交流额定电压 Q2=305V P2=275V	Digit 4 to 5	AC rated voltage Q2=305V P2=275V
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 A=25.0mm B=27.5mm D=32.5mm F=37.5mm M=52.5mm	Digit 10	Pitch 3=7.5mm 4=10.0mm 6=15.0mm 9=22.5mm A=25.0mm B=27.5mm D=32.5mm 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	3 4 6	F=7.5mm F=10.0mm F=15.0mm	0	表示直脚 straight	1 5	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) P3=25.4mm;H=18.5mm (For pitch=10.0/15.0mm) (Detail parameter refer to catalogue pag 17)
C	直脚 straight lead “C” in the figure above	代码 Code 00 45	说明 explanation 标准的引线长度 (18mm~26mm) standard lead length 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
D	软绝缘线 (多股) Insulated stranded leads	C5 K0 K2 L0	35mm 100mm 120mm 200mm			1 2 3 4	引线长度偏差 -5mm ~ 0mm Length tolerance -5 mm ~ 0 mm 引线长度偏差 0 mm ~ +5 mm Length tolerance 0 mm ~ +5 mm 引线长度偏差 0 mm ~ +10mm Length tolerance 0 mm ~ +10mm 引线长度偏差 ± 5 mm Length tolerance ± 5 mm
E	硬绝缘线 (单股) Insulated solid leads		备注: 这里的长度包含剥线长度 Note: This length includes the stripping parts.				
M	软绝缘线 (多股), 外壳带正底安装耳 Insulated stranded leads Box with mounting foot						
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)

305Vac/275Vac [#]							305Vac/275Vac [#]							305Vac/275Vac [#]							
C _N (μF)	W	H	T	P	d	Part number	C _N (μF)	W	H	T	P	d	Part number	C _N (μF)	W	H	T	P	d	Part number	
0.033M	10.5	9.0	4.0	7.5	0.6	C42Q2333M3F****+	0.47	26.5	15.0	6.0	22.5	0.8	C42Q2474-9F****+	2.2	41.0	22.0	11.0	37.5	1.0	C42Q2225-FF****+	
0.033K	10.5	11.0	5.0	7.5	0.6	C42Q2333K3F****+	0.56M	26.5	15.0	6.0	22.5	0.8	C42Q2564M9F****+	2.7	41.0	22.0	11.0	37.5	1.0	C42Q2275-FF****+	
0.039	10.5	11.0	5.0	7.5	0.6	C42Q2393-3F****+	0.56K	26.5	16.0	7.0	22.5	0.8	C42Q2564K9F****+	3.3M	41.0	22.0	11.0	37.5	1.0	C42Q2335MFF****+	
0.047	10.5	11.0	5.0	7.5	0.6	C42Q2473-3F****+	0.68	26.5	16.0	7.0	22.5	0.8	C42Q2684-9F****+	3.3K	41.0	24.0	13.0	37.5	1.0	C42Q2335KFF****+	
0.056	10.5	11.0	5.0	7.5	0.6	C42Q2563-3F****+	0.82	26.5	17.0	8.5	22.5	0.8	C42Q2824-9F****+	3.3	42.0	15.0	24.0	37.5	1.0	C42Q2335-FD****+	
0.068	10.5	12.0	6.0	7.5	0.6	C42Q2683-3F****+	1.0	26.5	17.0	8.5	22.5	0.8	C42Q2105-9F****+	3.9	41.0	24.0	13.0	37.5	1.0	C42Q2395-FF****+	
0.082	10.5	12.0	6.0	7.5	0.6	C42Q2823-3F****+	1.2	26.5	18.5	10.0	22.5	0.8	C42Q2125-9F****+	4.7M	41.0	24.0	13.0	37.5	1.0	C42Q2475MFF****+	
0.033	13.0	9.0	4.0	10.0	0.6	C42Q2333-4F****+	1.5M	26.5	18.5	10.0	22.5	0.8	C42Q2155M9F****+	4.7K	42.0	28.0	14.0	37.5	1.0	C42Q2475KFF****+	
0.039	13.0	9.0	4.0	10.0	0.6	C42Q2393-4F****+	1.5K	26.5	20.0	11.0	22.5	0.8	C42Q2155K9F****+	4.7K	41.0	26.0	15.0	37.5	1.0	C42Q2475KFG****+	
0.047	13.0	9.0	4.0	10.0	0.6	C42Q2473-4F****+	1.8M	26.5	20.0	11.0	22.5	0.8	C42Q2185M9F****+	4.7M	42.0	15.0	24.0	37.5	1.0	C42Q2475MFD****+	
0.056	13.0	9.0	4.0	10.0	0.6	C42Q2563-4F****+	1.8K	26.5	22.0	12.0	22.5	0.8	C42Q2185K9F****+	4.7K	42.0	19.0	24.0	37.5	1.0	C42Q2475KFD****+	
0.068	13.0	11.0	5.0	10.0	0.6	C42Q2683-4F****+	2.0	26.5	22.0	12.0	22.5	0.8	C42Q2205-9F****+	5.6M	41.0	26.0	15.0	37.5	1.0	C42Q2565MFF****+	
0.082	13.0	11.0	5.0	10.0	0.6	C42Q2823-4F****+	2.2M	26.5	22.0	12.0	22.5	0.8	C42Q2225M9F****+	5.6K	41.0	30.0	16.0	37.5	1.0	C42Q2565KFF****+	
0.10M	13.0	10.0	5.0	10.0	0.6	C42Q2104M4G****+	2.2K	26.5	23.0	13.5	22.5	0.8	C42Q2225K9F****+	6.8M	41.0	30.0	16.0	37.5	1.0	C42Q2685MFF****+	
0.10	13.0	11.0	5.0	10.0	0.6	C42Q2104-4F****+	2.7	26.5	24.5	15.5	22.5	0.8	C42Q2275-9F****+	6.8K	41.0	32.0	17.0	37.5	1.0	C42Q2685KFF****+	
0.12	13.0	12.0	6.0	10.0	0.6	C42Q2124-4F****+	2.7	26.5	29.5	14.5	22.5	0.8	C42Q2275-9G****+	6.8M	42.0	19.0	24.0	37.5	1.0	C42Q2685MFD****+	
0.15M	13.0	12.0	6.0	10.0	0.6	C42Q2154M4F****+	3.3M	26.5	24.5	15.5	22.5	0.8	C42Q2335M9F****+	6.8K	41.0	20.0	26.0	37.5	1.0	C42Q2685KFD****+	
0.15K	13.0	13.0	7.0	10.0	0.6	C42Q2154K4F****+	3.3	26.5	29.5	14.5	22.5	0.8	C42Q2335-9G****+	8.2M	41.0	32.0	17.0	37.5	1.0	C42Q2825MFF****+	
0.18	13.0	13.0	7.0	10.0	0.6	C42Q2184-4F****+	3.9M	26.5	29.5	14.5	22.5	0.8	C42Q2395M9F****+	8.2K	41.0	33.5	18.5	37.5	1.0	C42Q2825KFF****+	
0.22	13.0	14.0	8.0	10.0	0.6	C42Q2224-4F****+	1.2	32.0	18.0	9.0	27.5	0.8	C42Q2125-BF****+	10.0M	41.0	33.5	18.5	37.5	1.0	C42Q2106MFF****+	
0.10	17.5	9.5	5.0	15.0	0.6	C42Q2104-6F****+	1.5M	32.0	18.0	9.0	27.5	0.8	C42Q2155MBF****+	10.0K	41.0	37.0	22.0	37.5	1.0	C42Q2106KFF****+	
0.12	17.5	9.5	5.0	15.0	0.6	C42Q2124-6F****+	1.5K	32.0	20.0	11.0	27.5	0.8	C42Q2155KBF****+	10.0	42.0	24.0	32.0	37.5	1.0	C42Q2106-FD****+	
0.15	17.5	11.0	5.0	15.0	0.6	C42Q2154-6F****+	1.8	32.0	20.0	11.0	27.5	0.8	C42Q2185-BF****+	12.0M	41.0	37.0	22.0	37.5	1.0	C42Q2126MFF****+	
0.18M	17.5	11.0	5.0	15.0	0.6	C42Q2184M6F****+	2.0	32.0	20.0	11.0	27.5	0.8	C42Q2205-BF****+	12.0K	41.5	37.5	27.5	37.5	1.0	C42Q2126KFG****+	
0.18K	17.5	12.0	6.0	15.0	0.6	C42Q2184K6F****+	2.2M	32.0	12.0	22.0	27.5	0.8	C42Q2225MBD****+	12.0K	41.0	41.0	26.0	37.5	1.0	C42Q2126KFF****+	
0.22	17.5	12.0	6.0	15.0	0.6	C42Q2224-6F****+	2.2M	32.0	20.0	11.0	27.5	0.8	C42Q2225MBF****+	15.0	41.5	37.5	27.5	37.5	1.0	C42Q2156-FG****+	
0.27	17.5	13.5	7.5	15.0	0.6	C42Q2274-6F****+	2.2K	32.0	22.0	13.0	27.5	0.8	C42Q2225KBF****+	15.0	41.0	41.0	26.0	37.5	1.0	C42Q2156-FF****+	
0.27	17.5	12.5	9.0	15.0	0.6	C42Q2274-6G****+	2.7	32.0	25.0	13.0	27.5	0.8	C42Q2275-BF****+	18.0	41.0	43.0	28.0	37.5	1.0	C42Q2186-FF****+	
0.27	17.5	17.5	6.0	15.0	0.6	C42Q2274-6H****+	3.0	32.0	24.5	15.0	27.5	0.8	C42Q2305-BF****+	20.0M	41.0	43.0	28.0	37.5	1.0	C42Q2206MFF****+	
0.33K	17.5	13.5	7.5	15.0	0.6	C42Q2334K6F****+	3.0	32.0	25.0	13.0	27.5	0.8	C42Q2305-BG****+	20.0K	42.0	45.0	30.0	37.5	1.0	C42Q2206KFF****+	
0.33M	17.5	12.0	7.0	15.0	0.6	C42Q2334M6G****+	3.3M	32.0	25.0	13.0	27.5	0.8	C42Q2335MBG****+	25.0	42.0	57.0	30.0	37.5	1.0	C42Q2256-FF****+	
0.33K	17.5	12.5	9.0	15.0	0.6	C42Q2334K6G****+	3.3K	32.0	28.0	14.0	27.5	0.8	C42Q2335KBG****+	25.0	57.0	45.0	30.0	52.5	1.2	C42Q2256-MF3****+	
0.33K	17.5	17.5	6.0	15.0	0.6	C42Q2334K6H****+	3.3	32.0	24.5	15.0	27.5	0.8	C42Q2335-BF****+	25.0	57.0	30.0	44.0	52.5	1.2	C42Q2256-MD3****+	
0.39	17.5	13.5	7.5	15.0	0.6	C42Q2394-6F****+	3.3M	32.0	16.0	22.0	27.5	0.8	C42Q2335MBD****+	30.0	57.0	45.0	30.0	52.5	1.2	C42Q2306-MF3****+	
0.39	17.5	12.5	9.0	15.0	0.6	C42Q2394-6G****+	3.3K	32.0	16.0	27.5	27.5	0.8	C42Q2335KBD****+	30.0	57.0	30.0	44.0	52.5	1.2	C42Q2306-MD3****+	
0.39	17.5	17.5	6.0	15.0	0.6	C42Q2394-6H****+	3.9M	32.0	28.0	14.0	27.5	0.8	C42Q2395MBF****+	35.0	57.0	50.0	35.0	52.5	1.2	C42Q2356-MF3****+	
0.47M	17.5	14.0	8.0	15.0	0.6	C42Q2474M6F****+	3.9K	32.0	28.0	17.0	27.5	0.8	C42Q2395KBF****+	40.0	57.0	50.0	35.0	52.5	1.2	C42Q2406-MF3****+	
0.47K	17.5	14.5	8.5	15.0	0.6	C42Q2474K6F****+	4.7M	32.0	28.0	14.0	27.5	0.8	C42Q2475MBF****+	45.0M	57.0	50.0	35.0	52.5	1.2	C42Q2456MMF3****+	
0.47M	17.5	12.5	9.0	15.0	0.6	C42Q2474M6G****+	4.7	32.0	30.0	16.0	27.5	0.8	C42Q2475-BG****+								
0.47M	17.5	17.5	6.0	15.0	0.6	C42Q2474M6H****+	4.7	32.0	28.0	17.0	27.5	0.8	C42Q2475-BH****+								
0.47K	17.5	18.5	7.5	15.0	0.8	C42Q2474K6H****+	4.7	32.0	18.5	31.0	27.5	0.8	C42Q2475-BD****+								
0.47	17.5	12.0	13.0	15.0	0.8	C42Q2474-6D****+	5.6M	32.0	29.0	19.0	27.5	0.8	C42Q2565MBF****+								
0.56M	17.5	14.5	8.5	15.0	0.6	C42Q2564M6F****+	5.6K	32.0	33.0	18.0	27.5	0.8	C42Q2565KBF****+								
0.56K	17.5	16.0	10.0	15.0	0.8	C42Q2564K6F****+	6.8M	32.0	30.0	21.0	27.5	0.8	C42Q2685MBG****+								
0.60	17.5	16.0	10.0	15.0	0.8	C42Q2604-6F****+	6.8M	32.0	33.0	18.0	27.5	0.8	C42Q2685MBF****+								
0.68M	17.5	18.5	7.5	15.0	0.8	C42Q2684M6H****+	6.8K	32.0	37.0	22.0	27.5	0.8	C42Q2685KBF****+								
0.68	17.5	16.0	10.0	15.0	0.8	C42Q2684-6F****+	8.2	32.0	37.0	22.0	27.5	0.8	C42Q2825-BF****+								
0.82	17.5	19.0	11.0	15.0	0.8	C42Q2824-6F****+															
1.0M	17.5	19.0	11.0	15.0	0.8	C42Q2105M6F****+															

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275Vac时,第4~5位是P2。“#”when the rated voltage is 275Vac,the digit 4~5 is P2.
 4. 不用于与电源串联的场合,与电源串联用请参见降压专用电容器P155。
 Not for use in series with the mains,the capacitors for series with the mains,please refer pag.155.