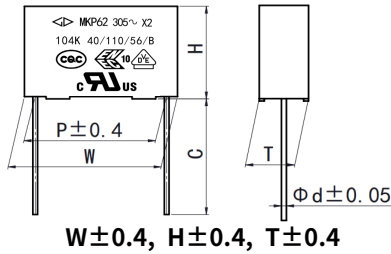


**MKP62**  
Code:C42(E)

# 电容降压专用金属化聚丙烯膜交流电容器 (X2 类) Metallized polypropylene film A.C. capacitor for capacitive divider(Class X2)

## 外形图 Outline Drawing



## 特点

- 专门设计用于与 100Vac ~ 240Vac 电源串联的电容降压电路场合，如电表、LED 模块等。
- 金属化聚丙烯
- 自愈性能优异，能承受浪涌电压冲击
- 长期负载下优异的电容容量稳定性
- 优异的防潮性能
- 优异的阻燃性能

## Features

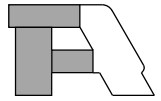
- This is specifically designed for applications in serial with the 100Vac~240Vac main, i.e.: capacitive divider, for example, energy meter, LED driver etc
- Metallized polypropylene structure
- Good self-healing properties,withstanding surge voltage
- Long stability of capacitance
- Good properties in damp environment
- Excellent active and passive flame resistant abilities

## 安全认证 Safety Approvals

●		CQC (中国)	IEC 60384-14:2013, X2, 305Vac/275Vac, 0.0010μF ~ 50.0μF, 40/110/56/B 证书号(Certificate No.): CQC03001002875
●		ENEC-VDE (欧盟)	EN 60384-14:2013+A1:2016, X2, 305Vac/275Vac, 0.0010μF ~ 50.0μF, 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, 0.0010μF ~ 50.0μF, 40/110/56/B 证书号(File No.): E186600, CCN: FOWX2/8
●		KC (韩国)	K 60384-14(2006-12), X2, 305Vac/275Vac, 0.0010μF ~ 3.0μF, 40/110/56/B 证书号(Certificate No.): SU03060-12001A/12002/12003/12004

## 技术要求 Specifications

引用标准 Reference Standard	GB/T 6346.14 (IEC60384-14)	
安全认证 Safety Approvals	CQC03001002875; ENEC-VDE: 40000358; UL-CUL: E186600, CCN: FOWX2/8	
气候类别/阻燃等级 Climatic Category/Passive Flammability	40/110/56/B	
工作温度范围 Operating Temperature Range	- 40°C ~ +110°C	
额定电压 Rated Voltage(U <sub>R</sub> )	305Vac, 50Hz/60Hz	
电容量范围 Capacitance Range	0.010μF ~ 2.2μF(可按要求制作其他电容量) (available on request)	
电容量偏差 Capacitance Tolerance	按客户需求提供 (available on request)	
耐电压 Voltage Proof	引线之间 Between Terminals:	4.3U <sub>R</sub> (Vdc), 2s
	极壳之间 Between Terminals To Case:	2.120Vac, 1min
承受的脉冲电压 Endure impulse voltage	2 500V	
绝缘电阻 Insulation Resistance	R ≥ 15 000MΩ, C <sub>N</sub> ≤ 0.33μF R <sub>CN</sub> ≥ 5 000s, C <sub>N</sub> > 0.33μF (20°C, 100V, 1min)	
损耗角正切 Dissipation Factor(tanδ)	≤ 10 × 10 <sup>-4</sup> (20°C, 1kHz)	典型值 Typical value 2 × 10 <sup>-4</sup>
	≤ 20 × 10 <sup>-4</sup> (20°C, 10kHz)	典型值 Typical value 2 × 10 <sup>-4</sup>
注: 1. 推荐用于电网额定电压不超过250VAC场合; 2. 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, 请与我技术工程师联系; 3. 若用于户外或长期湿度较大场合, 建议选用防潮设计。	Recommend for max rated supply mains voltage 250Vac application; 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

■ 15 位产品代码如下:

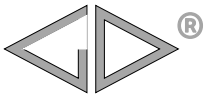
The 15 digits part number is formed as follow:

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

第 1~3 位	型号代码	Digit 1 to 3	Series code
	C42= MKP62		C42= MKP62
第 4~5 位	交流额定电压	Digit 4 to 5	AC rated voltage
	Q2=305V		Q2=305V
第 6~8 位	标称容量	Digit 6 to 8	Rated capacitance value
	举例:474=47×10 <sup>4</sup> pF=0.47μF		for example: 474=47×10 <sup>4</sup> pF=0.47μF
第 9 位	容量偏差	Digit 9	Capacitance tolerance
	见外形尺寸表		Refer to Dimensions table
第 10 位	引线脚距 P	Digit 10	Pitch
	4=10.0mm 6=15.0mm		4=10.0mm 6=15.0mm
	9=22.5mm B=27.5mm		9=22.5mm B=27.5mm
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

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

第 12 位 Digit 12		第 13 位和第 14 位 Digit 13 and 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
C	直脚 Straight lead "C" in the figure above	00	标准的引线长度(18mm~26 mm) standard lead length	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				



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■ 外形尺寸 Dimensions(mm)

305Vac								
C <sub>N</sub> (μF)	tolerance	marking	W	H	T	P	d	Part number
0.010	±5%	K	13.0	9.0	4.0	10.0	0.6	C42Q2103K4E****
0.022	±5%	K	13.0	11.0	5.0	10.0	0.6	C42Q2223K4E****
0.033	±5%	K	13.0	12.0	6.0	10.0	0.6	C42Q2333K4E****
0.047	±5%	K	13.0	12.0	6.0	10.0	0.6	C42Q2473K4E****
0.010	±5%	K	17.5	11.0	5.0	15.0	0.6	C42Q2103K6E****
0.015	±5%	K	17.5	11.0	5.0	15.0	0.6	C42Q2153K6E****
0.022	±5%	K	17.5	11.0	5.0	15.0	0.6	C42Q2223K6E****
0.033	±5%	K	17.5	11.0	5.0	15.0	0.6	C42Q2333K6E****
0.047	±5%	K	17.5	11.0	5.0	15.0	0.6	C42Q2473K6E****
0.068	±5%	K	17.5	12.0	6.0	15.0	0.6	C42Q2683K6E****
0.10	±5%	K	17.5	13.5	7.5	15.0	0.6	C42Q2104K6E****
0.15	±5%	K	17.5	14.5	8.5	15.0	0.6	C42Q2154K6E****
0.22	±5%	K	17.5	16.0	10.0	15.0	0.8	C42Q2224K6E****
0.33	±5%	K	17.5	19.0	11.0	15.0	0.8	C42Q2334K6E****
0.15	±5%	K	26.5	15.0	6.0	22.5	0.8	C42Q2154K9E****
0.18	±5%	K	26.5	16.0	7.0	22.5	0.8	C42Q2184K9E****
0.22	±5%	K	26.5	16.0	7.0	22.5	0.8	C42Q2224K9E****
0.27	±5%	K	26.5	17.0	8.5	22.5	0.8	C42Q2274K9E****
0.33	±5%	K	26.5	17.0	8.5	22.5	0.8	C42Q2334K9E****
0.39	±5%	K	26.5	18.5	10.0	22.5	0.8	C42Q2394K9E****
0.39	0 ~ +10%	K	26.5	18.5	10.0	22.5	0.8	C42Q2394N9E****
0.39	+4% ~ +14%	M	26.5	18.5	10.0	22.5	0.8	C42Q239419E****
0.47	-14% ~ -5%	M	26.5	18.5	10.0	22.5	0.8	C42Q247439E****
0.47	-10% ~ 0	K	26.5	20.0	11.0	22.5	0.8	C42Q247429E****
0.47	±5%	K	26.5	20.0	11.0	22.5	0.8	C42Q2474K9E****
0.47	0 ~ +10%	K	26.5	20.0	11.0	22.5	0.8	C42Q2474N9E****
0.56	±5%	K	26.5	18.5	10.0	22.5	0.8	C42Q2564K9E****
0.56	0 ~ +10%	K	26.5	18.5	10.0	22.5	0.8	C42Q2564N9E****
0.60	±5%	K	26.5	20.0	11.0	22.5	0.8	C42Q2604K9E****
0.68	±5%	K	26.5	20.0	11.0	22.5	0.8	C42Q2684K9E****
0.68	0 ~ +10%	K	26.5	20.0	11.0	22.5	0.8	C42Q2684N9E****
0.75	±5%	K	26.5	20.0	11.0	22.5	0.8	C42Q2754K9E****
0.82	±5%	K	26.5	22.0	12.0	22.5	0.8	C42Q2824K9E****
0.87	±5%	K	26.5	22.0	12.0	22.5	0.8	C42Q2874K9E****
0.91	±5%	K	26.5	22.0	12.0	22.5	0.8	C42Q2914K9E****
1.0	±5%	K	26.5	22.0	12.0	22.5	0.8	C42Q2105K9E****
0.39	±5%	K	32.0	18.0	9.0	27.5	0.8	C42Q2394KBE****
0.47	±5%	K	32.0	18.0	9.0	27.5	0.8	C42Q2474KBE****
0.56	±5%	K	32.0	20.0	11.0	27.5	0.8	C42Q2564KBE****
0.56	0 ~ +10%	K	32.0	20.0	11.0	27.5	0.8	C42Q2564NBE****
0.60	±5%	K	32.0	20.0	11.0	27.5	0.8	C42Q2604KBE****
0.68	±5%	K	32.0	20.0	11.0	27.5	0.8	C42Q2684KBE****
0.68	0 ~ +10%	K	32.0	20.0	11.0	27.5	0.8	C42Q2684NBE****
0.82	±5%	K	32.0	22.0	13.0	27.5	0.8	C42Q2824KBE****
1.0	±5%	K	32.0	22.0	13.0	27.5	0.8	C42Q2105KBE****
1.2	±5%	K	32.0	28.0	14.0	27.5	0.8	C42Q2125KBE****
1.5	±5%	K	32.0	28.0	14.0	27.5	0.8	C42Q2155KBE****
1.8	±5%	K	32.0	30.0	16.0	27.5	0.8	C42Q2185KBE****
2.2	±5%	K	32.0	33.0	18.0	27.5	0.8	C42Q2225KBE****

备注 Note: 1. “-”表示容量偏差。 “-” =capacitance tolerance code. M=±20%, K=±10%.

2. 380Vac 电源场合建议使用 MKP65。详细请与技术人员联系。

If used in the 380Vac, Pls refer to MKP65. Pls contact our technical engineer for more details.