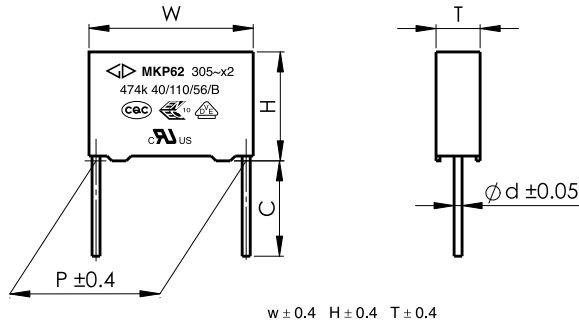


电容降压专用金属化聚丙烯膜交流电容器 (X2类) Metallized polypropylene film A.C. capacitor for capacitive divider(Class X2)

■ 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 stressing
- 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, 0.0010 μF-50.0 μF, 40/110/56/B 证书号(Certificate No.): CQC03001002875 |
| ● | | ENEC-VDE (欧盟) | EN 60384-14:2013, 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: FOWX2/8 |
| ● | | 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

| | | |
|--|---|--|
| 引用标准 Reference Standard | GB/T 6346.14 (IEC 60384-14) | |
| 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 (U _R) | 305Vac, 50/60Hz | |
| 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 | ± 10% (K), ± 20% (M) (Other tolerance available on request) | |
| 耐电压 Voltage Proof | 引线之间 Between Terminals: | 4.3U _R (dc), 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 _N ≤ 0.33μF RC _N ≥ 5 000s, C _N > 0.33μF (20°C, 100V, 1min) | |
| 损耗角正切 Dissipation Factor (tan δ) | ≤ 10 × 10 ⁻⁴ (1kHz,20°C) | 典型值 Typical value 3 × 10 ⁻⁴ |
| | ≤ 20 × 10 ⁻⁴ (10kHz,20°C) | 典型值 Typical value 8 × 10 ⁻⁴ |



MKP62
Code: C42(E)

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 | | | | | | | | 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 ⁴ pF=0.47μF | | For example: 474=47 × 10 ⁴ pF=0.47μF |
| 第9位 | 容量等级 | Digit 9 | Capacitance tolerance |
| | K= ± 10% M= ± 20% | | K= ± 10%, M= ± 20% |
| | N=0 ~ +10% 1=+4% ~ +14% | | N=0 ~ +10% 1=+4% ~ +14% |
| | 2= 0 ~ -10% 3=-5% ~ -14% | | 2= 0 ~ -10% 3=-5% ~ -14% |
| 第10位 | 引线脚距P | Digit 10 | Pitch |
| | 4=10.0mm 6=15.0mm 9=22.5mm B=27.5mm | | 4=10.0mm 6=15.0mm 9=22.5mm B=27.5mm |
| 第11位 | 内部特征码 | Digit 11 | Internal use |
| 第12~15位 | 引线形状和包装代码 | 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 引线形状和包装代码 lead form and packaging code**

| 第 12 位 Digit 12 | | 第 13 位和第 14 位 Digit 13 and 14 | | 第 15 位 Digit 15 | |
|-----------------|---|-------------------------------|---|-----------------|---|
| 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 ~ 26mm) 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 | | |

■ 外形尺寸 Dimensions (mm)

| 305Vac | | | | | | | | |
|------------------------|------------|---------|------|------|------|------|-----|--------------------|
| C _N (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: 1. “-”表示容量偏差。 “-”=capacitance tolerance code, K=±10%, M=±20%
 2. “****”表示引线形状和包装代码(见table 1)。“****”=lead form and packing code(refer to table 1)
 3. 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.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Film Capacitors](#) category:

Click to view products by [FARATRONIC](#) manufacturer:

Other Similar products are found below :

[703-6G](#) [82EC1100DQ50K](#) [MMWAF150KME](#) [PCY2130F30153](#) [QXJ2E474KTPT](#) [QXL2B333KTPT](#) [QXM2G104K](#) [DPM16S56K-1F](#)
[EEC2G505HQA406](#) [B32234-.033@250V-K](#) [B32520C6332K000](#) [B32522C6104K000](#) [B32523Q3155J](#) [B32676E6755K](#) [B81133-C1104-M3](#)
[MTC355L1](#) [217-0716-001](#) [PA225L30](#) [CB182K0184J--](#) [KP1830-247/061-G](#) [274ACF4400WA0J](#) [SCD105K122A3-22](#) [SCD205K122A3-24](#)
[A521HP102M400C](#) [F601BL225K063CL60A](#) [PCX2339F65224](#) [PCX2339F65334](#) [2222 368 55105](#) [2222 370 21683](#) [QXL2E473KTPT](#)
[445450-1](#) [B32524Q6155J](#) [46KI3100JBM1K](#) [MKP 1839-215-633](#) [MKP 1840-447-165](#) [MKP383510063JKP2T0](#) [WMC08P22](#)
[46KN410000N1K](#) [46KR368050M1M](#) [ECQ-W4223KZ](#) [EEC2G805HQA415](#) [PA103L30](#) [82DC3100DQ50J](#) [82DC4100AA60K](#)
[82EC2150DQ50K](#) [WMF1D68](#) [PHE841ED6150MR17T0](#) [VEA105K50](#) [82EC2220DQ50J](#) [F850AG102M300C](#)