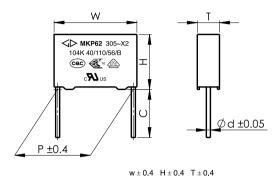




金属化聚丙烯膜抗干扰电容器(X2类, 305Vac/275Vac, 小型化) Metallized polypropylene film Interference Suppression capacitor(Class X2, 305Vac/275Vac, Miniature version)

■ 外形图 Outline Drawing



W±0.4 H±0.4 I

■ 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

| • | cec | 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 |
| • | c R) us | 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

| 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/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 | | | | | | |
| 电容量范围 Capacitance Range | 0.033μF ~ 0.47μF | | | | | | |
| 电容量偏差 Capacitance Tolerance | ±10%(K), ±20%(M) | | | | | | |
| 新中区 Voltage Dreef | 引线之间 Between Terminal | s: | 4.3Un(dc),2s | | | | |
| 耐电压 Voltage Proof | 极壳之间 Between Terminals | To Case: | 2 120Vac, 1min | | | | |
| 绝缘电阻 Insulation Resistance | $R \ge 15\ 000M\Omega, \ C_N \le 0.33 \mu F \ RC_N \ge 5\ 000s, \ C_N > 0.33 \mu F \ (20^{\circ}C\ ,100V,\ 1min)$ | | | | | | |
| 出転免工机 Dissipation Factor (top S) | 0.033µF ≤ C _N < 0.47µF | $0.033\mu\text{F} \le C_{\text{N}} < 0.47\mu\text{F}$ $\le 10 \times 10^{-4} (1 \text{k})$ | | ≤ 20 x 10 ⁻⁴ (10kHz,20°C) | | | |
| 损耗角正切 Dissipation Factor (tan δ) | C _N = 0.47µF | ≤ 20 x 10 ⁻⁴ (1k | Hz,20℃) | ≤ 40 x 10 ⁻⁴ (10kHz,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 | _ |
|------------|-------|-----|-----------------------------|-------|------------------|-------|-------------------|-----|----|----------------|----|----|-------|--------|---------|-------|---------------------|-----------------------------|
| С | 4 | 2 | | | | | | | | | | | | | | | | |
| 第1~3位 型号代码 | | | | | | | 型号代码 Digit 1 to 3 | | | | | | 3 | Se | eries c | code | | |
| | | C4 | 12=N | 1KP62 | 2 | | | | | | | | | | | C | 12=M | KP62 |
| 第4 | ~5位 | 交 | 流额 | 定电 | 压 | | | | | | | | Digit | : 4 to | 5 | ΑŒ | C rate | d voltage |
| | | Q: | 2=30 | 5V | ² 2=2 | 75V | | | | | | | | | | Q2 | 2=305 | 5V P2=275V |
| 第6 | ~8位 | 标 | 称容 | 量 | | | | | | | | | Digit | 6 to | 8 | Ra | ited c | apacitance value |
| | | 举 | 例: | 103= | 10× | 10³pF | ==0.0 | 1μΕ | | | | | | | | Fc | r exa | mple: 103=10 × 10³pF=0.01µF |
| 第9 | 位 | 容 | 量偏: | 差 | | | | | | | | | Digit | 9 | | Ca | pacit | ance tolerance |
| | | K= | = ± 10 |)%, N | Λ= ± | 20% | | | | | | | | | | K= | ± 10 | %, M= ± 20% |
| 第10位 | | 引 | 引线脚距P | | | | | | | Digit 10 Pitch | | | | | | | | |
| | | 3= | 3=7.5mm 4=10.0mm 6=15.0mm | | | | | | | | | | | | 3= | -7.5m | m 4=10.0mm 6=15.0mm | |
| 第1 | 1位 | 内 | 部特: | 征码 | | | | | | | | | Digit | t 11 | | Int | ternal | use |
| 第1 | 2~15∱ | 立 引 | 线加 | 工和1 | 包装化 | 弋码 | | | | | | | Digit | t 12 t | o 15 | Le | ad foi | m and packaging code |
| 第1 | 6~18£ | 立 内 | 部特 | 征码 | | | | | | | | | Digit | : 16 t | o 18 | Int | ernal | use |

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

| 1 | 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 | |
| А | 弹带包装 ammo–pack | 3 4 6 | F=7.5mm F=10.0mm F=15.0mm | 0 | 表示直脚 straight | 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) | |
| С | 直脚 straight lead "C" in the figure above | 代码 Code 00 45 | 说明 explanation 标准的引线长度 (1 standard lead leng 引线长度 4.5mm lead length 4.5mm | gth | 26mm) | 0 | 引线长度偏差 ± 0.5mm 或标准长度 Length tolerance ± 0.5mm Or standard length | |





■ 外形尺寸 Dimensions (mm)

| 305Vac/275Vac* | | | | | | | | | | | | |
|------------------------|------|------|-----|------|-----|--------------------|--|--|--|--|--|--|
| C _N (μF) | W | Н | Т | Р | d | Part number | | | | | | |
| 0.033M | 10.5 | 9.0 | 4.0 | 7.5 | 0.6 | C42Q2333M3F****+++ | | | | | | |
| 0.033K | 10.5 | 11.0 | 5.0 | 7.5 | 0.6 | C42Q2333K3F****+++ | | | | | | |
| 0.039 | 10.5 | 11.0 | 5.0 | 7.5 | 0.6 | C42Q2393-3F***+++ | | | | | | |
| 0.047 | 10.5 | 11.0 | 5.0 | 7.5 | 0.6 | C42Q2473-3F***+++ | | | | | | |
| 0.056 | 10.5 | 11.0 | 5.0 | 7.5 | 0.6 | C42Q2563-3F***+++ | | | | | | |
| 0.068 | 10.5 | 12.0 | 6.0 | 7.5 | 0.6 | C42Q2683-3F***+++ | | | | | | |
| 0.082 | 10.5 | 12.0 | 6.0 | 7.5 | 0.6 | C42Q2823-3F***+++ | | | | | | |
| 0.033 | 13.0 | 9.0 | 4.0 | 10.0 | 0.6 | C42Q2333-4F***+++ | | | | | | |
| 0.039 | 13.0 | 9.0 | 4.0 | 10.0 | 0.6 | C42Q2393-4F***+++ | | | | | | |
| 0.047 | 13.0 | 9.0 | 4.0 | 10.0 | 0.6 | C42Q2473-4F***+++ | | | | | | |
| 0.056 | 13.0 | 9.0 | 4.0 | 10.0 | 0.6 | C42Q2563-4F***+++ | | | | | | |
| 0.068 | 13.0 | 11.0 | 5.0 | 10.0 | 0.6 | C42Q2683-4F***+++ | | | | | | |
| 0.082 | 13.0 | 11.0 | 5.0 | 10.0 | 0.6 | C42Q2823-4F***+++ | | | | | | |
| 0.10M | 13.0 | 10.0 | 5.0 | 10.0 | 0.6 | C42Q2104M4G****+++ | | | | | | |
| 0.10 | 13.0 | 11.0 | 5.0 | 10.0 | 0.6 | C42Q2104-4F***+++ | | | | | | |
| 0.12 | 13.0 | 12.0 | 6.0 | 10.0 | 0.6 | C42Q2124-4F***+++ | | | | | | |
| 0.15M | 13.0 | 12.0 | 6.0 | 10.0 | 0.6 | C42Q2154M4F***+++ | | | | | | |
| 0.15K | 13.0 | 13.0 | 7.0 | 10.0 | 0.6 | C42Q2154K4F***+++ | | | | | | |
| 0.18 | 13.0 | 13.0 | 7.0 | 10.0 | 0.6 | C42Q2184-4F***+++ | | | | | | |
| 0.22 | 13.0 | 14.0 | 8.0 | 10.0 | 0.6 | C42Q2224-4F***+++ | | | | | | |

| 305Vac/275Vac* | | | | | | | | | | | | |
|------------------------|------|------|-----|------|-----|--------------------|--|--|--|--|--|--|
| C _N (μF) | w | Н | Т | Р | d | Part number | | | | | | |
| 0.10 | 17.5 | 9.5 | 5.0 | 15.0 | 0.6 | C42Q2104-6F***+++ | | | | | | |
| 0.12 | 17.5 | 9.5 | 5.0 | 15.0 | 0.6 | C42Q2124-6F***+++ | | | | | | |
| 0.15 | 17.5 | 11.0 | 5.0 | 15.0 | 0.6 | C42Q2154-6F***+++ | | | | | | |
| 0.18M | 17.5 | 11.0 | 5.0 | 15.0 | 0.6 | C42Q2184M6F***+++ | | | | | | |
| 0.18K | 17.5 | 12.0 | 6.0 | 15.0 | 0.6 | C42Q2184K6F***+++ | | | | | | |
| 0.22M | 17.5 | 11.5 | 5.5 | 15.0 | 0.6 | C42Q2224M6G****+++ | | | | | | |
| 0.22 | 17.5 | 12.0 | 6.0 | 15.0 | 0.6 | C42Q2224-6F***+++ | | | | | | |
| 0.27 | 17.5 | 13.5 | 7.5 | 15.0 | 0.6 | C42Q2274-6F***+++ | | | | | | |
| 0.27 | 17.5 | 12.5 | 9.0 | 15.0 | 0.6 | C42Q2274-6G****+++ | | | | | | |
| 0.27 | 17.5 | 17.5 | 6.0 | 15.0 | 0.6 | C42Q2274-6H****+++ | | | | | | |
| 0.33K | 17.5 | 13.5 | 7.5 | 15.0 | 0.6 | C42Q2334K6F***+++ | | | | | | |
| 0.33M | 17.5 | 12.0 | 7.0 | 15.0 | 0.6 | C42Q2334M6G****+++ | | | | | | |
| 0.33K | 17.5 | 12.5 | 9.0 | 15.0 | 0.6 | C42Q2334K6G****+++ | | | | | | |
| 0.33K | 17.5 | 17.5 | 6.0 | 15.0 | 0.6 | C42Q2334K6H****+++ | | | | | | |
| 0.39 | 17.5 | 13.5 | 7.5 | 15.0 | 0.6 | C42Q2394-6F***+++ | | | | | | |
| 0.39 | 17.5 | 12.5 | 9.0 | 15.0 | 0.6 | C42Q2394-6G****+++ | | | | | | |
| 0.39 | 17.5 | 17.5 | 6.0 | 15.0 | 0.6 | C42Q2394-6H***+++ | | | | | | |
| 0.47M | 17.5 | 14.0 | 8.0 | 15.0 | 0.6 | C42Q2474M6F***+++ | | | | | | |
| 0.47K | 17.5 | 14.5 | 8.5 | 15.0 | 0.6 | C42Q2474K6F***+++ | | | | | | |
| 0.47M | 17.5 | 12.5 | 9.0 | 15.0 | 0.6 | C42Q2474M6G****+++ | | | | | | |
| 0.47M | 17.5 | 17.5 | 6.0 | 15.0 | 0.6 | C42Q2474M6H****+++ | | | | | | |
| 0.47K | 17.5 | 18.5 | 7.5 | 15.0 | 0.8 | C42Q2474K6H****+++ | | | | | | |

Not for use in series with the mains, the capacitors for series with the mains, please refer pag. 148.

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P148。

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