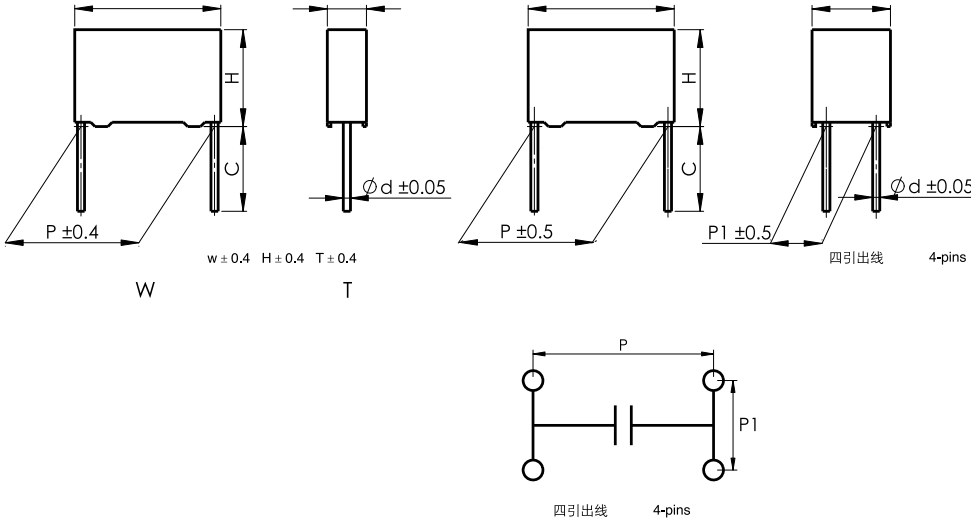


金属化聚丙烯膜抗干扰电容器 (X2类, 305Vac/350Vac,防潮系列)
Metallized polypropylene film Interference Suppression capacitor
(Class X2, 305Vac/350Vac, Temperature Humidity Bias series)

■ 外形图 Outline Drawing



■ 特点

- 金属化聚丙烯膜
- 能承受过压冲击
- 优异的阻燃性能
- 在严苛的环境下(如高温高湿)长期应用容量稳定性优异
- 用于电源跨线路等抗干扰场合

■ Features

- Metallized polypropylene film
- Withstanding overvoltage stressing
- Excellent active and passive flame resistant abilities
- High stability of capacitance under severe ambient condition, such as high temperature and high humidity
- Used in across-the-line,interference suppression circuit

■ 安全认证 Safety Approvals

| | | |
|---|--|--------------------|
| ● | | CQC (中国) |
| ● | | ENEC-SEMKO (欧盟) |
| ● | | UL/CUL (美国/加拿大) |

■ 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, 50/60Hz | 350Vac, 50/60Hz | |
| 最大连续直流电压 Maximum continuous DC voltage | 560Vdc | 630Vdc | |
| 电容量范围 Capacitance Range | 0.10µF ~ 25.0µF | 0.10µF ~ 20.0µF | |
| 电容量偏差 Capacitance Tolerance | ± 10%(K), ± 20%(M) | | |
| 耐电压 Voltage Proof | 引线之间 Between Terminals: | 4.3U _R (d _h , 2s) | |
| | 极壳之间 Between Terminals To Case: | 2 200Vac, 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 D dissipation Factor (tan δ) | 0.10µF ≤ C _N ≤ 1.0µF | ≤ 15 × 10 ⁻⁴ (1kHz,20°C) | ≤ 40 × 10 ⁻⁴ (10kHz,20°C) |
| | 1.0µF < C _N ≤ 10.0µF | ≤ 30 × 10 ⁻⁴ (1kHz,20°C) | ----- |
| | C _N > 10.0µF | ≤ 40 × 10 ⁻⁴ (1kHz,20°C) | ----- |
| 防潮测试 THB test (Damp heat test with loading) | Temperature: 85°C ± 2°C ; Humidity: 85%RH ± 2% RH Voltage: 300Vac 50Hz ; Duration: 1 000 h (C _N > 0.47µF) Capacitance change (Δ C/C): ≤ 10% Di-sipation factor change (Δ tan δ): ≤ 0.5% (1kHz) Insulation re-istance: ≥ 50% of the rated value | | |

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 | B | | | | | | | | W | | | | | | | |

| | | | |
|---------|---|----------------|--|
| 第1~3位 | 型号代码 C4B | Digit 1 to 3 | Series code C4B |
| 第4~5位 | 交流额定电压 R2=350V Q2=305V | Digit 4 to 5 | AC rated voltage R2=350V 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 4=10.0mm 6=15.0mm 9=22.5mm B=27.5mm F=37.5mm M=52.5mm | Digit 10 | Pitch 4=10.0mm 6=15.0mm 9=22.5mm B=27.5mm F=37.5mm M=52.5mm |
| 第11位 | 内部特征码: W或V | Digit 11 | Internal use: W or V |
| 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 E M | 软绝缘线 (多股) Insulated stranded leads 硬绝缘线 (单股) Insulated solid leads 软绝缘线 (多股), 外壳带正底安装耳 Insulated stranded leads Box with mounting foot | C5 K0 K2 L0 | 35mm 100mm 120mm 200mm 注 1: 这里的长度包含剥线长度 Note 1: This length includes the stripping parts. 注 2: 一般 P ≥ 27.5 产品才可选用绝缘线方式 Note 2: Normally, for P ≥ 27.5 Caps can choice Insulated leads. | | | 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 |
| T 3 | P1=20.3mm ± 0.5mm P1=20mm ± 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 |

■ 外形尺寸 Dimensions (mm)

| 305Vac | | | | | | |
|------------------------|------|------|------|------|-----|--------------------|
| C _N (μF) | W | H | T | P | d | Part number |
| 0.10 | 17.5 | 12.0 | 6.0 | 15.0 | 0.6 | C4BQ2104-6V****+++ |
| 0.12 | 17.5 | 12.0 | 6.0 | 15.0 | 0.6 | C4BQ2124-6W****+++ |
| 0.15 | 17.5 | 13.5 | 7.5 | 15.0 | 0.6 | C4BQ2154-6V****+++ |
| 0.18 | 17.5 | 13.5 | 7.5 | 15.0 | 0.6 | C4BQ2184-6W****+++ |
| 0.22 | 17.5 | 14.5 | 8.5 | 15.0 | 0.6 | C4BQ2224-6V****+++ |
| 0.27 | 17.5 | 14.5 | 8.5 | 15.0 | 0.6 | C4BQ2274-6W****+++ |
| 0.33 | 17.5 | 16.0 | 10.0 | 15.0 | 0.6 | C4BQ2334-6V****+++ |
| 0.39 | 17.5 | 18.0 | 10.0 | 15.0 | 0.8 | C4BQ2394-6V****+++ |
| 0.47 | 17.5 | 19.0 | 11.0 | 15.0 | 0.8 | C4BQ2474-6W****+++ |
| 0.33 | 26.5 | 16.0 | 7.0 | 22.5 | 0.8 | C4BQ2334-9V****+++ |
| 0.39 | 26.5 | 17.0 | 8.5 | 22.5 | 0.8 | C4BQ2394-9V****+++ |
| 0.47 | 26.5 | 17.0 | 8.5 | 22.5 | 0.8 | C4BQ2474-9W****+++ |
| 0.56 | 26.5 | 18.5 | 9.0 | 22.5 | 0.8 | C4BQ2564-9V****+++ |
| 0.68 | 26.5 | 18.5 | 10.0 | 22.5 | 0.8 | C4BQ2684-9W****+++ |
| 0.82 | 26.5 | 20.0 | 11.0 | 22.5 | 0.8 | C4BQ2824-9V****+++ |
| 1.0 | 26.5 | 22.0 | 12.0 | 22.5 | 0.8 | C4BQ2105-9V****+++ |
| 1.2 | 26.5 | 22.0 | 12.0 | 22.5 | 0.8 | C4BQ2125-9W****+++ |
| 1.5M | 26.5 | 23.0 | 13.5 | 22.5 | 0.8 | C4BQ2155M9W****+++ |
| 1.5 | 26.5 | 24.5 | 14.5 | 22.5 | 0.8 | C4BQ2155-9V****+++ |
| 1.8 | 26.5 | 24.5 | 15.5 | 22.5 | 0.8 | C4BQ2185-9W****+++ |
| 2.2M | 26.5 | 29.5 | 14.5 | 22.5 | 0.8 | C4BQ2225M9W****+++ |
| 2.2 | 26.5 | 31.0 | 15.5 | 22.5 | 0.8 | C4BQ2225-9V****+++ |
| 0.47 | 32.0 | 18.0 | 9.0 | 27.5 | 0.8 | C4BQ2474-BW****+++ |
| 0.56 | 32.0 | 18.0 | 9.0 | 27.5 | 0.8 | C4BQ2564-BW****+++ |
| 0.68 | 32.0 | 20.0 | 11.0 | 27.5 | 0.8 | C4BQ2684-BV****+++ |
| 0.82 | 32.0 | 20.0 | 11.0 | 27.5 | 0.8 | C4BQ2824-BV****+++ |
| 1.0 | 32.0 | 20.0 | 11.0 | 27.5 | 0.8 | C4BQ2105-BW****+++ |
| 1.2 | 32.0 | 20.0 | 11.0 | 27.5 | 0.8 | C4BQ2125-BW****+++ |
| 1.5 | 32.0 | 22.0 | 13.0 | 27.5 | 0.8 | C4BQ2155-BW****+++ |
| 1.8 | 32.0 | 25.0 | 13.0 | 27.5 | 0.8 | C4BQ2185-BW****+++ |

| 305Vac | | | | | | |
|------------------------|------|------|------|------|-----|--------------------|
| C _N (μF) | W | H | T | P | d | Part number |
| 2.2 | 32.0 | 24.5 | 15.0 | 27.5 | 0.8 | C4BQ2225-BW****+++ |
| 2.7 | 32.0 | 30.0 | 16.0 | 27.5 | 0.8 | C4BQ2275-BW****+++ |
| 3.3M | 32.0 | 30.0 | 16.0 | 27.5 | 0.8 | C4BQ2335MBW****+++ |
| 3.3 | 32.0 | 29.0 | 19.0 | 27.5 | 0.8 | C4BQ2335-BV****+++ |
| 3.9 | 32.0 | 33.0 | 18.0 | 27.5 | 0.8 | C4BQ2395-BW****+++ |
| ★ 4.7M | 32.0 | 34.0 | 20.0 | 27.5 | 0.8 | C4BQ2475MBV****+++ |
| ★ 4.7K | 32.0 | 34.0 | 20.0 | 27.5 | 0.8 | C4BQ2475KBW****+++ |
| ★ 5.6 | 32.0 | 37.0 | 22.0 | 27.5 | 0.8 | C4BQ2565-BW****+++ |
| 6.8 | 32.0 | 40.5 | 24.0 | 27.5 | 0.8 | C4BQ2685-BV****+++ |
| ★ 1.5 | 41.0 | 22.0 | 11.0 | 37.5 | 1.0 | C4BQ2155-FW****+++ |
| ★ 1.8 | 41.0 | 24.0 | 13.0 | 37.5 | 1.0 | C4BQ2185-FV****+++ |
| ★ 2.2 | 41.0 | 24.0 | 13.0 | 37.5 | 1.0 | C4BQ2225-FW****+++ |
| ★ 2.7 | 41.0 | 26.0 | 15.0 | 37.5 | 1.0 | C4BQ2275-FV****+++ |
| ★ 3.3M | 42.0 | 28.0 | 14.0 | 37.5 | 1.0 | C4BQ2335MFV****+++ |
| ★ 3.3 | 41.0 | 28.0 | 17.0 | 37.5 | 1.0 | C4BQ2335-FV****+++ |
| 3.9 | 41.0 | 30.0 | 16.0 | 37.5 | 1.0 | C4BQ2395-FW****+++ |
| ★ 4.7M | 41.0 | 32.0 | 17.0 | 37.5 | 1.0 | C4BQ2475MFV****+++ |
| ★ 4.7K | 41.0 | 32.0 | 17.0 | 37.5 | 1.0 | C4BQ2475KFV****+++ |
| 5.6 | 41.0 | 33.5 | 18.5 | 37.5 | 1.0 | C4BQ2565-FW****+++ |
| 6.8M | 41.0 | 34.0 | 20.0 | 37.5 | 1.0 | C4BQ2685MFV****+++ |
| 6.8K | 41.0 | 37.0 | 22.0 | 37.5 | 1.0 | C4BQ2685KFV****+++ |
| 8.2 | 41.0 | 37.0 | 26.0 | 37.5 | 1.0 | C4BQ2825-FV****+++ |
| 10.0 | 41.0 | 41.0 | 26.0 | 37.5 | 1.0 | C4BQ2106-FW****+++ |
| ★ 12.0 | 41.0 | 43.0 | 28.0 | 37.5 | 1.0 | C4BQ2126-FW****+++ |
| 15.0M | 42.0 | 45.0 | 30.0 | 37.5 | 1.0 | C4BQ2156MFV****+++ |
| ★ 15.0K | 42.0 | 50.0 | 30.0 | 37.5 | 1.0 | C4BQ2156KFV****+++ |
| ★ 18.0 | 57.0 | 45.0 | 30.0 | 52.5 | 1.2 | C4BQ2186-MWT***+++ |
| ★ 20.0M | 57.0 | 45.0 | 30.0 | 52.5 | 1.2 | C4BQ2206MMWT***+++ |
| ★ 20.0K | 57.0 | 48.0 | 30.0 | 52.5 | 1.2 | C4BQ2206KMWT***+++ |
| 25.0 | 57.0 | 50.0 | 35.0 | 52.5 | 1.2 | C4BQ2256-MWT***+++ |

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. “★”表示外壳为圆弧底。“★”=Arc bottom of the outer shell.

