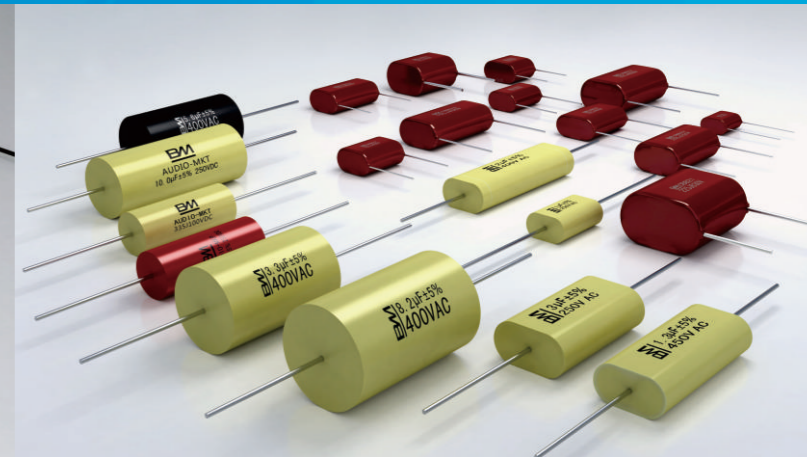
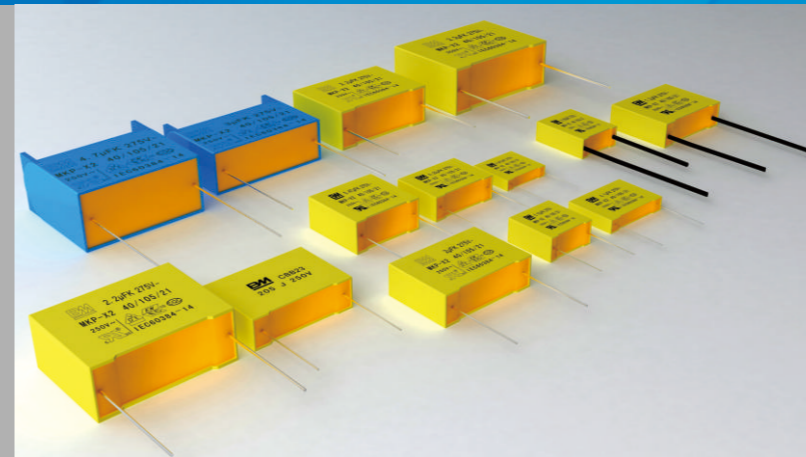


CAPACITOR CATALOG 丰明电容

安规包封分册
X2/CBB21

为成功的企业配套。为企业的成功配套
To support a successful enterprise
To support the success of an enterprise



广东丰明电子科技有限公司
GUANGDONG FENGMING ELECTRONIC TECH. CO., LTD.

广东省佛山市顺德区北滘镇黄龙村委会龙乐路1号
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关注丰明
资讯动态





公司简介(一) | INTRODUCTION I

广东丰明电子科技有限公司，始创于2000年，占地3.3万平方米，拥有10万平方米高标准化工厂，日产270万只金属化薄膜电容器。

丰明电子分设三大研究中心及八大产品事业部，从事多类薄膜电容器及金属化薄膜的应用研究、开发、设计、制造与销售。

As the leading MPP capacitor manufacturer in China, BM has been specialized in the development, manufacturing and sales of capacitor for decades.

BM capacitors are widely used in appliance, lighting, industrial equipment, solar, inverter, UPS etc. With stable quality and superior service, BM has been the long-term partner of world-wide customers.

BM has acquired certificates of ISO, CQC, VDE, UL, KC etc which could fulfill customers' versatile requirements.

For more info, please get on www.bm-cap.com

BM always assures you the best service.

丰明电子以“为成功的企业配套，为企业的成功配套”为经营理念，以“专业化为主、多元化发展”的市场细分方针，陆续和格力、海尔、美的、格兰仕、九阳、苏泊尔、艾美特、开利、亨特、三星、LG等国内外知名品牌建立了良好而持久的合作关系。

“To support a successful enterprise, to support the success of an enterprise.” Fengming hold this operation principle, and stick on specialization and diversification, we established long and stable cooperation with many famous enterprise at home and abroad, such as Gree, Haier, Midea, Galanz, Joyoung, Supor, Airmate, Carrier, Hunter, Samsung, LG.



三大研究中心 3 Research Centers



产品开发中心



工艺研究中心



实验检测中心

八大产品事业部 8 Product Divisions



交流电容器
事业部



空调电容器
事业部



60/65电容器
事业部



安规电容器
事业部



包封电容器
事业部



针式电容器
事业部



工业电容器
事业部



真空镀膜
事业部



广东省著名商标
Famous mark in
Guangdong Province



广东省名牌产品
Famous-brand products
in Guangdong Province



高新技术企业
High-tech Enterprises



顺德区质量信用A级企业
Quality Credit A Class Enterprises
in Shunde Area



广东省著名商标
Famous mark in Guangdong Province



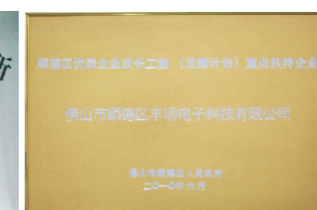
广东省名牌产品
Famous-brand products
in Guangdong Province



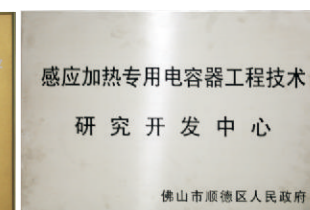
广东省民营科技企业
Private Science and Technology
Enterprises in Guangdong Province



广东欧博企业管理研究所
工匠型企业
实验基地
Craftsman Enterprises Laboratory
Base for OuBo Enterprises
management Research
Institute in Guangdong Province



顺德区龙腾企业
LQ Enterprises in Shunde Area



顺德区感应加热专用电容器
工程技术研究开发中心
Induction Heating Capacitor
Engineering R&D Center
in Shunde Area



产品开发中心 R&D Center



工艺研究中心 Technology Research Center



实验检测中心 Testing Center

专利清单 Patent List :

实用新型专利 Utility model patent

| 申请人 | 申请号 | 授权日期 | 名称 |
|------------------|----------------|------------|-------------------|
| 1. 广东丰明电子科技有限公司 | 200720050835.3 | 2008-03-12 | 一种新型电容器绝缘塑料外壳 |
| 2. 广东丰明电子科技有限公司 | 200920056248.4 | 2010-02-17 | 一种薄膜分切机的收卷轴 |
| 3. 广东丰明电子科技有限公司 | 200920056247.X | 2010-02-17 | 一种电容器芯子包裹器 |
| 4. 广东丰明电子科技有限公司 | 200920056249.9 | 2010-02-17 | 一种电容器外壳 |
| 5. 广东丰明电子科技有限公司 | 200920058449.8 | 2010-05-26 | 一种电容器的自动包胶机 |
| 6. 广东丰明电子科技有限公司 | 200920058450.0 | 2010-05-05 | 一种安全型金属化薄膜电容器 |
| 7. 广东丰明电子科技有限公司 | 201020119520.1 | 2010-02-09 | 一种安规电容器的外壳 |
| 8. 广东丰明电子科技有限公司 | 201020505949.4 | 2011-04-27 | 一种新型电容器外壳 |
| 9. 广东丰明电子科技有限公司 | 201020538715.X | 2011-03-16 | 一种用于直流滤波电容器的外壳 |
| 10. 广东丰明电子科技有限公司 | 201020572625.2 | 2011-04-27 | 一种用于外接引线的电容器 |
| 11. 广东丰明电子科技有限公司 | 201020613387.5 | 2011-06-15 | 一种用于感应加热的模块式电容器 |
| 12. 广东丰明电子科技有限公司 | 201020627485.4 | 2011-06-29 | 一种具有安全防爆的电容器 |
| 13. 广东丰明电子科技有限公司 | 201120109690.6 | 2011-10-05 | 一种新型微波炉用干式结构电容器 |
| 14. 广东丰明电子科技有限公司 | 201120136554.6 | 2011-12-14 | 一种用于直流滤波的中心散热式电容器 |
| 15. 广东丰明电子科技有限公司 | 201120562909.8 | 2012-08-15 | 用于感应加热的外置型电容器 |
| 16. 广东丰明电子科技有限公司 | 201320346909.3 | 2013-11-13 | 一种中心加强散热式电容器 |
| 17. 广东丰明电子科技有限公司 | 201320375209.7 | 2013-11-13 | 一种全塑封式端子引出型电容器 |
| 18. 广东丰明电子科技有限公司 | 201520582143.8 | 2015-12-09 | 一种圆芯方壳端子引出型电容器 |

外观专利 Appearance patent

| 申请人 | 申请号 | 授权日期 | 名称 |
|----------------|----------------|------------|-------------|
| 1 广东丰明电子科技有限公司 | 201030569113.6 | 2011-02-09 | 电容器 (CBB61) |

丰明电子全面执行ISO9001及ISO14001国际质量与环境体系标准。
Complied with ISO9001 and ISO14001 International quality and environment standard.

ISO9001及ISO14001国际质量与环境体系标准



ROHS



使用说明 Instruction VII-IX

| | |
|---|-------|
| MKP 金属化聚丙烯膜抗干扰电容器 (X2) (CBB62) Metallized polypropylene film Interference Suppression capacitor (X2) | 01-06 |
| MKP 金属化聚丙烯膜抗干扰电容器 (X2 THB系列) (CBB62) Metallized polypropylene film Interference Suppression capacitor (X2 THB series) | 07-08 |
| MKPR 金属化聚丙烯膜抗干扰电容器 (RC并联) (CBB62R) Metallized polypropylene film Interference Suppression capacitor (Parallel RC- Unit) | 09-10 |
| MKP + R 金属化聚丙烯膜抗干扰阻容模块 (RC串联) (CBB62+R) Metallized polypropylene film Interference Suppression(Series RC-Unit) | 11-12 |
| MMKP 塑料外壳双面金属化聚丙烯膜电容器 (CBB23) Double sided metallized polypropylene film capacitor (Box type) | 13-16 |
| MPP 金属化聚丙烯膜电容器 (粉包型) (CBB21) Metallized polypropylene film capacitor (dipped type) | 17-22 |
| MPHL 高压金属化聚丙烯膜电容器 (小型化) (CBB81) High-voltage metallized polypropylene film capacitor(miniature series) | 23-26 |
| MPH 高压金属化聚丙烯膜电容器 (CBB81) High-voltage metallized polypropylene film capacitor | 27-28 |
| MPT 轴向金属化聚丙烯膜电容器(包胶圆) (CBB20) Metallized polypropylene film capacitor(Axial type) | 29-34 |
| MPA 轴向金属化聚丙烯膜电容器(包胶扁) (CBB20) Metallized polypropylene film capacitor(Axial type) | 35-38 |

一、电子设备用薄膜电容器的标准体系

电子设备用固定电容器的标准体系是由基础标准、总规范、分规范、空白详细规范以及详细（即企业标准）组成。总规范规定了分规范和详细规范中使用的标准术语、检验程序和实验方法。分规范是按电容器的介质和结构分类的，它是对该类电容器规定优先额定值和特性，并从总规范中选择适当的质量评定程序、实验和测量方法，以及给出一般性能要求。空白详细规范是分规范的一种补充文件，它规定了详细规范的格式、编排和最基础的要求。

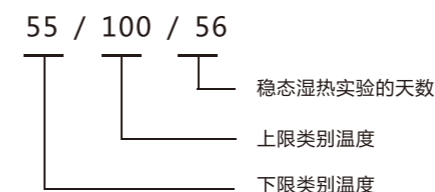
The standard system of fixed plastic film capacitor for use in electronic equipment includes the foundational standard, generic specification, sectional specification, blank detail specification and detail specification, or manufacture specification. Generic specification specifies the terminology, inspection procedures and test methods applied in sectional and detail specifications. Sectional specification is classified according to the specific dielectrics material and construction of capacitor, it prescribes preferred rating and characteristics and to select from generic specification the appropriate quality assessment procedures, tests and measuring methods and to give general performance requirements for this type of capacitor. Blank detail specification is a supplementary document to the sectional specifications and contains requirements for style layout and minimum contents of detail specifications.

薄膜电容器的标准体系，举例如下 Following please find the corresponding specification lists for plastic film capacitors.

| 标准号 (NO.) | 标准 (Standards) |
|---|---|
| GB/T 2693-2001 (IEC60384-1:1999) | 第1部分：总规范：电子设备用固定电容器 Part1:Foundational standar: Electronic equipment capacitor |
| GB/T 6346.14-2015 (IEC60384-14) | 第14部分：分规范：抑制电源电磁干扰用固定电容器 Part14 : Sectional specification : Fixed capacitors for electromagnetic interference suppression and connection to the supply mains |
| GB/T 10190 (IEC 60384-16) | 第16部分: 分规范：金属化聚丙烯膜介质直流固定电容器 Part 16 :Sectional specification: Fixed metalized polypropylene film D.C. capacitor |
| GB/T 10191 (IEC 60384-16-1) | 第16部分：空白详细规范：金属化聚丙烯膜介质直流固定电容器 Part 16 :Blank detail specification: Fixed metalized polypropylene film D.C. capacitor |
| GB/T 14579 (IEC 60384-17) | 第17部分：分规范：金属化聚丙烯膜介质交流和脉冲固定电容器 Part 17 : Sectional specification: Fixed metalized polypropylene film A.C. and pulde capacitor |
| GB/T 14579 (IEC 60384-17-1) | 第17部分：空白详细规范：金属化聚丙烯膜介质交流和脉冲固定电容器 Part17:Blank detail specification: Fixed metalized polypropylene film A.C. and pulde capacitor |

三、标准术语

1. 上限类别温度
电容器设计所确定的能连续工作的最高环境温度
2. 下限类别温度
电容器设计所确定的能连续工作的最低环境温度
3. 额定温度
可以连续施加额定电压的最高环境温度
4. 额定电压
在下限类别温度和额定温度之间的任一温度下，可以连续施加在在电容器上的最大直流电压或脉冲电压的峰值
5. 类别电压
电容器在上限类别温度下可以连续施加在电容器上的最高电压
6. 温度降额电压
温度降额电压是在额定温度和上限类别温度之间的任一温度下，可以连续施加在电容器上的最高电压
7. 气候类别
电容器所属的气候类别用斜线分隔的三个数来表示 (IEC6068-1 : 如55/100/56)



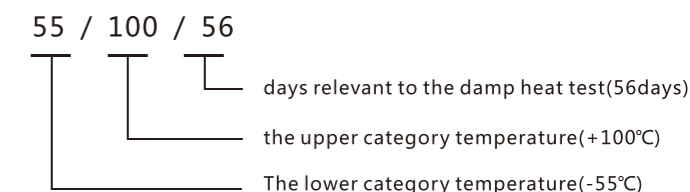
8. 损耗角正切
在规定频率的正弦波电压作用下，电容器的损耗功率除以电容器的无功功率
9. 绝缘电阻 (I.R) / 时间常数 (t)
绝缘电阻为电容器充电一分钟所加的直流电压和流经电容器的漏电流值的比值，单位为MΩ。时间常数为绝缘电阻和电容量的乘积，通常以秒表示，公式如下：

$$\tau[s]=I.R[M\Omega] \times CN[\mu F]$$

一般情况下，绝缘电阻用于描述小容量电容器的绝缘电阻特性，时间常数用于描述大容量（如CN > 0.33μF）电容器的绝缘特性。

Terminologies

1. Upper Category Temperature
The highest environmental determined by capacitors design and in which capacitor may continuously work
2. Lower Category Temperature
The lowest environmental temperature determined by capacitor design and in which capacitor may continuously work
3. Rated Temperature
The highest environmental temperature in which capacitor applied continuously with the rated voltage
4. Rate voltage
The maximum D.C voltage or peak value of pulse voltage that can be applied continuously to capacitor at any temperature between lower category temperature and rated temperature
5. Category Voltage
The maximum voltage that can be applied continuously to capacitor at upper category temperature
6. Temperature Derated Voltage
The maximum voltage that can be applied continuously to capacitor at any temperature between rated temperature and Upper category temperature
7. Climatic Category
The climatic category which the capacitor belongs to is expressed in three numbers separated by slashes, (IEC6068-1 : example 55/100/56).



8. Dissipation factor
The dissipation factor is ratio between reactive power of the impedance of the capacitor and effective power when capacitor is submitted a sinusoidal voltage of specified frequency.
9. Insulation Resistance(I.R)Time Constant(t)
The insulation resistance is the ratio between an applied D.C voltage and the resulting leakage current after a minute of charge.It is expressed in MΩ.The time constant is expressed in seconds with the following formula:

$$\tau[s]=I.R[M\Omega] \times CN[\mu F]$$

In general, insulation resistance is used for describing smaller capacitance capacitors' insulation character, Time constant for describing larger one' s (example: CN > 0.33μF) .

典型特性、应用、以及特性曲线

Typical Properties, Applications and Typica graphs

1 聚丙烯薄膜特性

1. Polypropylene Film

- 损耗极低
- 介质吸收系数低
- 绝缘电阻高
- 频率特性好
- 自愈特性好
- 稳定性很好

- Very low dissipation factor
- Very low dielectric absorption
- Very high insulation resistance
- Good behaviour in frequency
- Excellent self-healing properties
- Very good stability

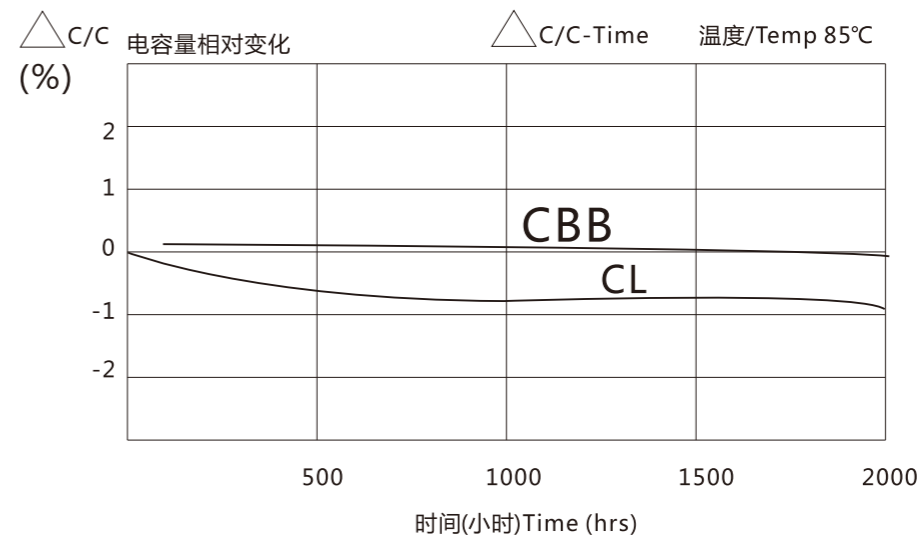
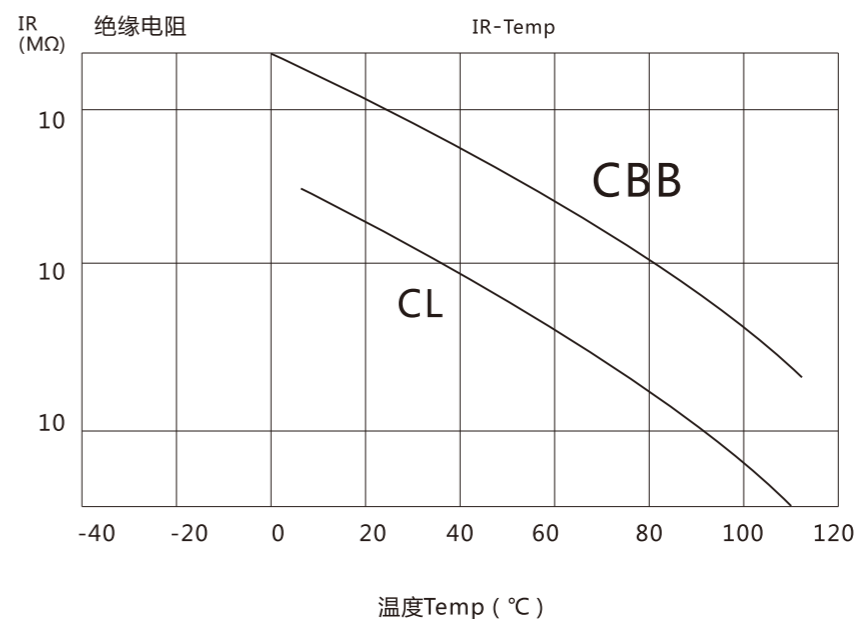
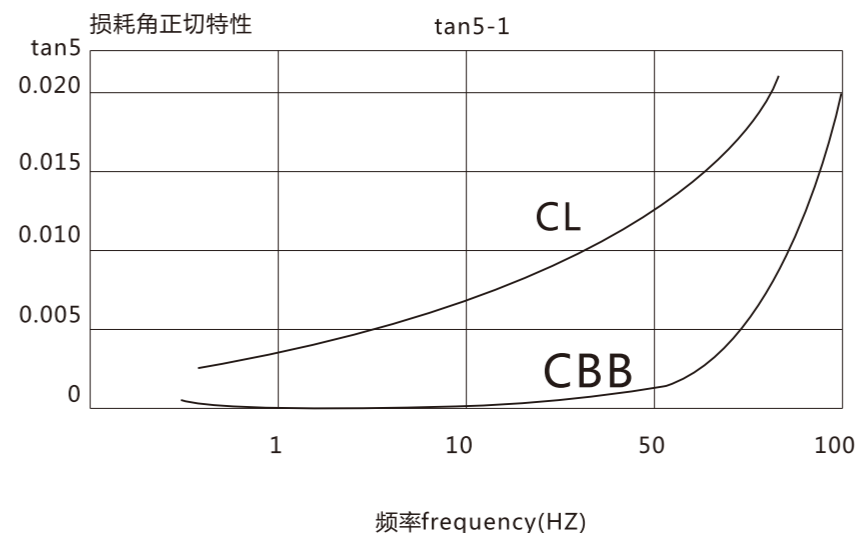
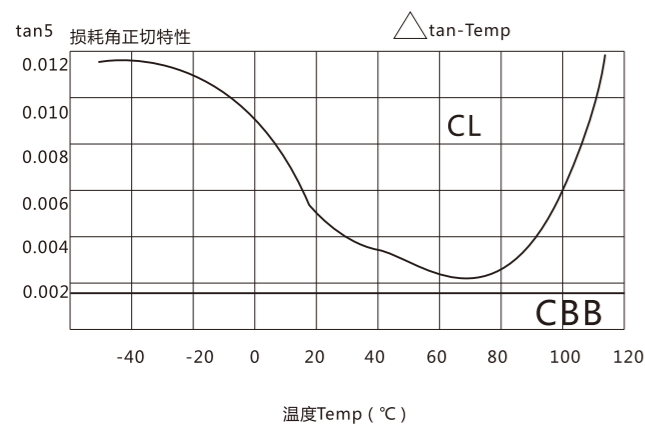
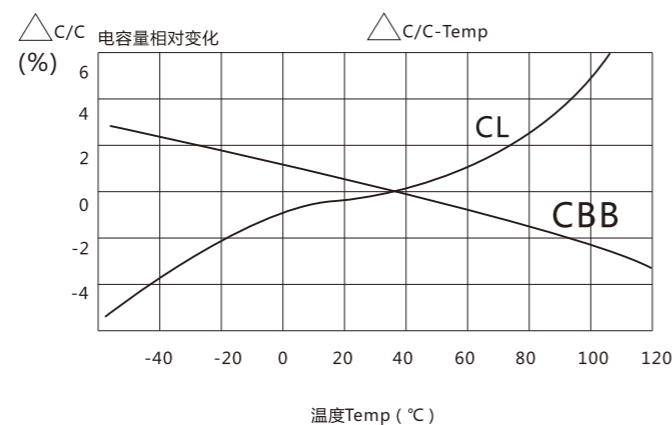
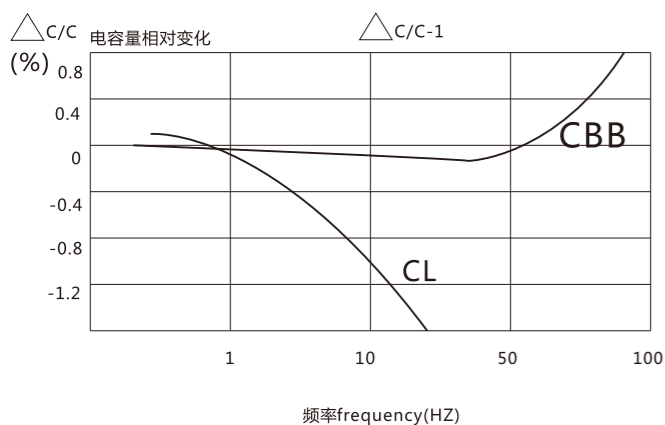
2 典型应用

2. Typical Applications

- 高频脉冲应用
- 大电流场合
- 交流场合
- 高稳定的定时场合
- 开关电源系统和彩电行业
- 照明行业
- 工控行业
- 高Q滤波

- High frequency, pulse applications
- High current
- A.C. applications
- Timing with high stability
- SMPS and TV set
- lighting
- Industrial
- Filtering high Q

3 特性曲线 Typical graphs

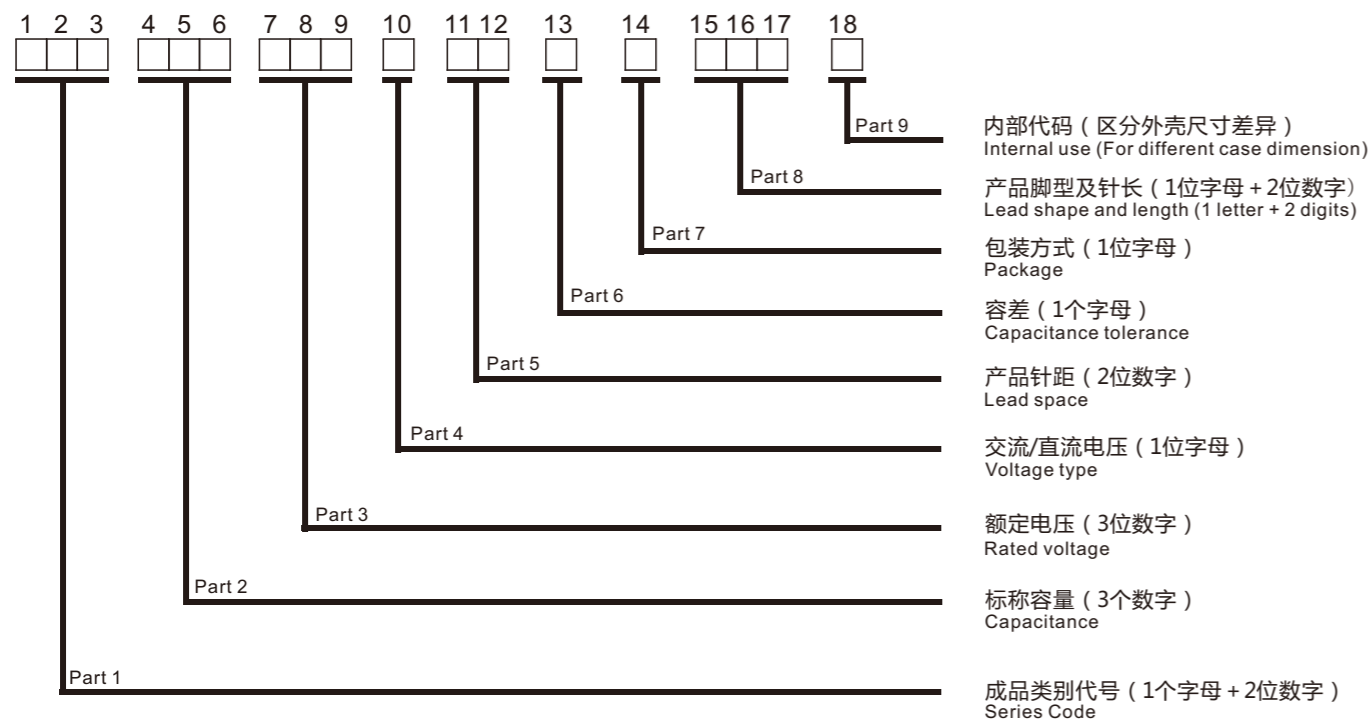


CBB-----聚丙烯薄膜 (Polypropylene Film)
 CL-----聚酯薄膜 (Polyester Film)

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



| 第五部分 Part 5 | | 第六部分 Part 6 | | 第七部分 Part 7 | | 第八部分 Part 8 | | 第九部分 Part 9 | |
|---------------|---------------|--------------------------|----------------|-------------|---------------------|---------------|------------------|----------------|---------------|
| 针距 Lead Space | | 容偏 Capacitance Tolerance | | 包装 Package | | 脚型 Lead shape | | 针长 Lead length | |
| 代码 Code | 针距 (mm) Space | 代码 Code | 计算方法 Tolerance | 代码 Code | 包装方式 Package | 代码 Code | 类型 Type | 代码 Code | 针长(mm) Length |
| 00 | 轴向电容 Axial | J | ±5% | B | 散袋包装 Bulk Package | S | 直脚 Straight type | 03 | 3-3.9 |
| 10 | 10 | K | ±10% | A | 编带弹袋包装 Ammo package | K | K脚 Standard kink | 04 | 4-4.9 |
| 15 | 15 | M | ±20% | R | 编带卷轴包装 Reel package | I | 内弯 Outside kink | 05 | 5-5.9 |
| 17 | 17 或 17.5 | | | | | O | 外弯 Inside kink | 10 | 10 |
| 20 | 20 | | | | | | | 15 | 15 |
| 21 | 21 或 21.5 | | | | | | | 18 | 18 |
| 22 | 22 或 22.5 | | | | | | | 20 | 20 |
| 26 | 26 或 26.5 | | | | | | | 25 | 25 |
| 27 | 27 或 27.5 | | | | | | | 30 | 30 |
| 31 | 31 | | | | | | | | |
| 37 | 37 或 37.5 | | | | | | | | |
| 41 | 41 | | | | | | | | |

相同容量、电压不同设计结构、外壳尺寸、用顺序号区分。
Internal Use.

1. 品号表示方法 Representation

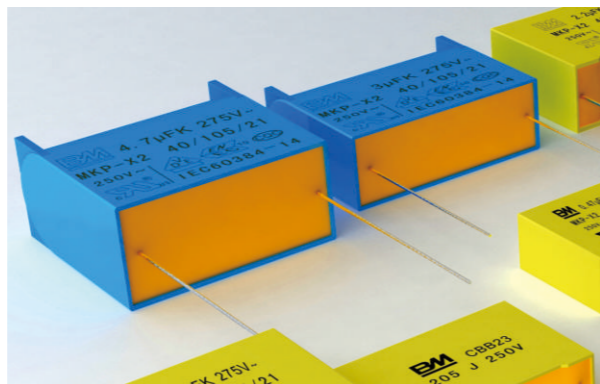
| 第一部分 Part 1 | | 第二部分 Part 2 | | 第三部分 Part 3 | | 第四部分 Part 4 | |
|----------------|----------------------------|----------------|---|--------------------|--|-------------|-----------------|
| 型号 Series Code | | 容量 Capacitance | | 额定电压 Rated Voltage | | 电压 Voltage | |
| 代码 Code | 类别 Type | 代码 Code | 计算方法 Calculation | 电压 Voltage | | 代码 Code | 类型 Type |
| B42 | 安规 X2 级认证 X2 | 103 | $10 \times 10^3 \text{ pF} = 0.01 \mu\text{F}$ | 250 = 250V | | D | 直流电压 DC Voltage |
| B4R | 安规 X2 级认证 + 电阻 X2+Resistor | 153 | $15 \times 10^3 \text{ pF} = 0.015 \mu\text{F}$ | 275 = 275V | | | |
| B4H | 安规 X2 级认证 THB THB X2 | 104 | $10 \times 10^4 \text{ pF} = 0.1 \mu\text{F}$ | 310 = 310V | | | |
| B21 | 封装低压产品 Dipped low voltage | 154 | $15 \times 10^4 \text{ pF} = 0.15 \mu\text{F}$ | 630 = 630V | | A | 交流电压 AC Voltage |
| B81 | 封装高压产品 Dipped high voltage | 105 | $10 \times 10^5 \text{ pF} = 1 \mu\text{F}$ | 1K0 = 1000 | | | |
| B20 | 轴向圆形电容 Axial round cap. | 155 | $10 \times 10^5 \text{ pF} = 1.5 \mu\text{F}$ | 1K6 = 1600 | | | |
| B19 | 轴向扁形电容 Axial flat cap. | 106 | $10 \times 10^6 \text{ pF} = 10 \mu\text{F}$ | 2K5 = 2500 | | | |
| | | | | 3K0 = 3000 | | | |

2. 认证种类代码对照表 Comparison Table for Certificate and Code

| 认证代码 | CQC | CUL | UL | VDE | KC | CB | ENEC | FIMKO | NEMKO | SEMKO | ESTI |
|------|-----|-----|----|-----|----|----|------|-------|-------|-------|------|
| A | √ | √ | √ | √ | | | | | | | |
| B | | | | | √ | √ | | | | | |
| C | √ | | | | | | | | | | |
| D | | | | √ | | | | | | | |
| E | | | √ | √ | | | | | | | |
| F | √ | | | √ | | √ | | | | | |
| G | √ | √ | √ | | | | | | | | |
| H | √ | | √ | √ | | | √ | | | | |
| J | √ | √ | √ | √ | √ | | √ | | | | |
| K | √ | √ | √ | √ | | | √ | | | | |
| K | √ | √ | √ | √ | | | √ | | | | |
| U | | | √ | | | | | | | | |
| L | √ | | √ | | | | | | | | |
| M | | √ | √ | | | | | | | | |
| Q | √ | | | √ | | | | | | | |
| V | √ | | √ | √ | | | | | | | |
| M | √ | √ | √ | √ | | | √ | √ | √ | √ | √ |

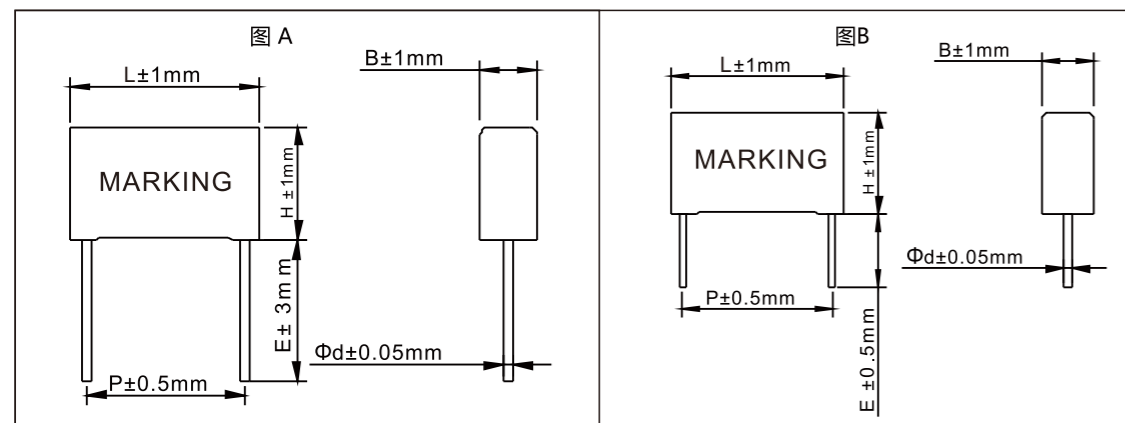
金属化聚丙烯膜抗干扰电容器 (X2) Metallized polypropylene film Interference Suppression capacitor (X2)

标准系列X2型产品, 多国认证, 容量可高达10uF, 采用高分子聚丙烯薄膜介质、加厚型金属化电极、全自动喷焊工艺、94V0级阻燃PBT塑壳、环氧树脂密封, 耐压高、暂态脉冲电压承受能力强。广泛用于电源并联跨线回路, 抑制电磁干扰。



- Standard X2 capacitor;
- Safety certificates available, UL, VDE, CQC, KC, ENEC etc;
- Capacitance up to 10uF;
- Metallised polypropylene(MPP) film capacitor;
- 94V0 retardant PBT case;
- Epoxy filling;
- CP wire lead;
- Specially designed for capacitive divider;
- Application: EMI (Interference suppression) for parallel loop circuit of power supply.

外形图 Outline drawing



特点

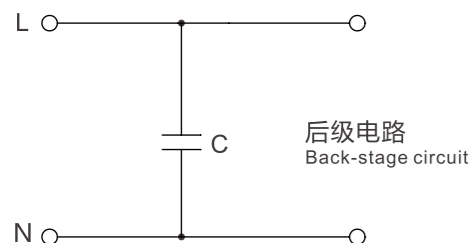
- 金属化聚丙烯膜
- 能承受过压冲击
- 优良的阻燃性能
- 广泛用于电源线路等抗干扰场合

Features

- Metallized polypropylene film
- Withstanding overvoltage stressing
- Excellent active and passive flame resistant abilities
- Widely used in across-the-line, interference suppression circuit, etc.

典型线路图

Typical circuit



C:抗电磁干扰电容
Interference suppression capacitor

安全认证 Safety Approvals

| | | | |
|---------------------|----------|--|--------|
| | VDE ENEC | 40025702 | 欧盟 |
| | UL CUL | E345487 | 美国/加拿大 |
| | CQC | 04001010677 | 中国 |
| | KTL | SU03048-10001A SU03048-10002A SU03048-10003A SU03048-10004A | 韩国 |
| CB TSTE CERTIFICATE | | 0013022 | |

技术要求 Specifications

| | | |
|----------------------------|---|-------------------------------------|
| 电容器类别Class | X2类 | |
| 引用标准Reference Standard | IEC 60384-14:2013、GB/T 6346.14-2015、UL60386-14 : 2009 | |
| 气候类别Climatic Category | 40/105/21 | |
| 额定电压Rated Voltage | 275Vac / 310 Vac (50/60Hz) | |
| 电容量范围Capacitance Range | 0.010μF~10μF | |
| 电容量偏差Capacitance Tolerance | ±5% (J)、±10% (K)、±20% (M) | |
| 耐电压Voltage Proof | 引线之间Between Terminals: | 4.3Un VDC / 60sec |
| | 极壳之间Between Terminals To Case: | 2050VAC, 50/60HZ, 60sec |
| 绝缘电阻Insulation Resistance | ≥15000MΩ, CR ≤0.33μF ≥5000s, CR >0.33μF (20°C, 100V, 1min) | |
| 损耗角正切Dissipation Factor | 0.01μF ≤ CR < 0.47μF | ≤10 × 10 ⁻⁴ (1KHz, 20°C) |
| | 0.47μF ≤ CR ≤ 1 μF | ≤20 × 10 ⁻⁴ (1KHz, 20°C) |
| | 1 < μFCR ≤ 10 μF | ≤30 × 10 ⁻⁴ (1KHz, 20°C) |

外形尺寸 Dimensions (mm)

| C _n (μF) | L | B | H | P | D |
|------------------------|------|---|----|-----|-----|
| 0.01 | 10.5 | 4 | 9 | 7.5 | 0.6 |
| 0.012 | 10.5 | 4 | 9 | 7.5 | 0.6 |
| 0.015 | 10.5 | 4 | 9 | 7.5 | 0.6 |
| 0.018 | 10.5 | 4 | 9 | 7.5 | 0.6 |
| 0.022 | 10.5 | 4 | 9 | 7.5 | 0.6 |
| 0.027 | 10.5 | 4 | 9 | 7.5 | 0.6 |
| 0.033 | 10.5 | 5 | 11 | 7.5 | 0.6 |
| 0.039 | 10.5 | 5 | 11 | 7.5 | 0.6 |
| 0.047 | 10.5 | 5 | 11 | 7.5 | 0.6 |
| 0.068 | 10.5 | 6 | 12 | 7.5 | 0.6 |
| 0.082 | 10.5 | 6 | 12 | 7.5 | 0.6 |
| 0.01 | 13 | 5 | 11 | 10 | 0.6 |
| 0.01 | 13 | 6 | 12 | 10 | 0.6 |
| 0.012 | 13 | 5 | 11 | 10 | 0.6 |
| 0.015 | 13 | 5 | 11 | 10 | 0.6 |
| 0.018 | 13 | 5 | 11 | 10 | 0.6 |
| 0.022 | 13 | 5 | 11 | 10 | 0.6 |
| 0.027 | 13 | 5 | 11 | 10 | 0.6 |
| 0.033 | 13 | 5 | 11 | 10 | 0.6 |
| 0.033 | 13 | 6 | 12 | 10 | 0.6 |
| 0.039 | 13 | 6 | 12 | 10 | 0.6 |
| 0.039 | 13 | 5 | 11 | 10 | 0.6 |
| 0.047 | 13 | 4 | 9 | 10 | 0.6 |
| 0.047 | 13 | 6 | 12 | 10 | 0.6 |
| 0.047 | 13 | 5 | 11 | 10 | 0.6 |
| 0.056 | 13 | 6 | 12 | 10 | 0.6 |
| 0.068 | 13 | 6 | 12 | 10 | 0.6 |
| 0.068 | 13 | 5 | 11 | 10 | 0.6 |
| 0.082 | 13 | 5 | 11 | 10 | 0.6 |
| 0.082 | 13 | 6 | 12 | 10 | 0.6 |
| 0.1 | 13 | 5 | 11 | 10 | 0.6 |
| 0.1 | 13 | 6 | 12 | 10 | 0.6 |
| 0.11 | 13 | 6 | 12 | 10 | 0.6 |
| 0.12 | 13 | 6 | 12 | 10 | 0.6 |
| 0.15 | 13 | 6 | 12 | 10 | 0.6 |
| 0.15 | 13 | 8 | 14 | 10 | 0.6 |
| 0.18 | 13 | 8 | 14 | 10 | 0.6 |
| 0.2 | 13 | 8 | 14 | 10 | 0.6 |
| 0.22 | 13 | 8 | 14 | 10 | 0.6 |

| C _n (μF) | L | B | H | P | D |
|------------------------|----|-----|------|----|-----|
| 0.01 | 18 | 5 | 11 | 15 | 0.8 |
| 0.012 | 18 | 5 | 10 | 15 | 0.8 |
| 0.015 | 18 | 5 | 11 | 15 | 0.8 |
| 0.018 | 18 | 5 | 10 | 15 | 0.8 |
| 0.022 | 18 | 5 | 11 | 15 | 0.8 |
| 0.027 | 18 | 5 | 11 | 15 | 0.8 |
| 0.033 | 18 | 5 | 11 | 15 | 0.8 |
| 0.039 | 18 | 5 | 11 | 15 | 0.8 |
| 0.047 | 18 | 5 | 11 | 15 | 0.8 |
| 0.047 | 18 | 6 | 12 | 15 | 0.8 |
| 0.056 | 18 | 5 | 11 | 15 | 0.8 |
| 0.068 | 18 | 5 | 11 | 15 | 0.8 |
| 0.068 | 18 | 6 | 12 | 15 | 0.8 |
| 0.082 | 18 | 5 | 11 | 15 | 0.8 |
| 0.082 | 18 | 6 | 12 | 15 | 0.8 |
| 0.1 | 18 | 5 | 11 | 15 | 0.8 |
| 0.1 | 18 | 6 | 12 | 15 | 0.8 |
| 0.11 | 18 | 5 | 11 | 15 | 0.8 |
| 0.12 | 18 | 5 | 11 | 15 | 0.8 |
| 0.12 | 18 | 6 | 12 | 15 | 0.8 |
| 0.15 | 18 | 5 | 11 | 15 | 0.8 |
| 0.15 | 18 | 6 | 12 | 15 | 0.8 |
| 0.15 | 18 | 7.5 | 13.5 | 15 | 0.8 |
| 0.15 | 18 | 8.5 | 14.5 | 15 | 0.8 |
| 0.18 | 18 | 6 | 12 | 15 | 0.8 |
| 0.18 | 18 | 7.5 | 13.5 | 15 | 0.8 |
| 0.2 | 18 | 6 | 12 | 15 | 0.8 |
| 0.2 | 18 | 7.5 | 13.5 | 15 | 0.8 |
| 0.22 | 18 | 6 | 12 | 15 | 0.8 |
| 0.22 | 18 | 7.5 | 13.5 | 15 | 0.8 |
| 0.22 | 18 | 8.5 | 14.5 | 15 | 0.8 |
| 0.22 | 18 | 6.3 | 13 | 15 | 0.8 |
| 0.22 | 18 | 7.5 | 14.5 | 15 | 0.8 |
| 0.22 | 18 | 6 | 13.5 | 15 | 0.8 |
| 0.27 | 18 | 8.5 | 14.5 | 15 | 0.8 |
| 0.27 | 18 | 7.5 | 13.5 | 15 | 0.8 |
| 0.33 | 18 | 7.5 | 13.5 | 15 | 0.8 |
| 0.33 | 18 | 11 | 19 | 15 | 0.8 |
| 0.33 | 18 | 10 | 18 | 15 | 0.8 |
| 0.33 | 18 | 8.5 | 15.8 | 15 | 0.8 |
| 0.33 | 18 | 8.5 | 14.5 | 15 | 0.8 |
| 0.39 | 18 | 8.5 | 14.5 | 15 | 0.8 |

外形尺寸 Dimensions (mm)

| C _n (μF) | L | B | H | P | D |
|------------------------|------|-----|------|------|-----|
| 0.47 | 18 | 10 | 19 | 15 | 0.8 |
| 0.47 | 18 | 11 | 19 | 15 | 0.8 |
| 0.47 | 18 | 10 | 16 | 15 | 0.8 |
| 0.56 | 18 | 10 | 18 | 15 | 0.8 |
| 0.56 | 18 | 11 | 19 | 15 | 0.8 |
| 0.68 | 18 | 11 | 19 | 15 | 0.8 |
| 0.82 | 18 | 11 | 19 | 15 | 0.8 |
| 0.1 | 26 | 6 | 15 | 22.5 | 0.8 |
| 0.11 | 26 | 6 | 15 | 22.5 | 0.8 |
| 0.12 | 26 | 6 | 15 | 22.5 | 0.8 |
| 0.15 | 26 | 6 | 15 | 22.5 | 0.8 |
| 0.18 | 26 | 6 | 15 | 22.5 | 0.8 |
| 0.2 | 26.5 | 6 | 15 | 22.5 | 0.8 |
| 0.22 | 26 | 6 | 15 | 22.5 | 0.8 |
| 0.22 | 26.5 | 7 | 16.5 | 22.5 | 0.8 |
| 0.27 | 26.5 | 8.5 | 17 | 22.5 | 0.8 |
| 0.27 | 26.5 | 6 | 15 | 22.5 | 0.8 |
| 0.33 | 26.5 | 6 | 15 | 22.5 | 0.8 |
| 0.33 | 26.5 | 7 | 16.5 | 22.5 | 0.8 |
| 0.33 | 26.5 | 8.5 | 17 | 22.5 | 0.8 |
| 0.39 | 26.5 | 6 | 15 | 22.5 | 0.8 |
| 0.39 | 26.5 | 8.5 | 17 | 22.5 | 0.8 |
| 0.47 | 26.5 | 7 | 16 | 22.5 | 0.8 |
| 0.47 | 26.5 | 8.5 | 17 | 22.5 | 0.8 |
| 0.47 | 26.5 | 10 | 19 | 22.5 | 0.8 |
| 0.56 | 26.5 | 7 | 16.5 | 22.5 | 0.8 |
| 0.56 | 26 | 9 | 18 | 22.5 | 0.8 |
| 0.56 | 26 | 11 | 20 | 22.5 | 0.8 |
| 0.68 | 26.5 | 8.5 | 17 | 22.5 | 0.8 |
| 0.68 | 26.5 | 10 | 19 | 22.5 | 0.8 |
| 0.82 | 26.5 | 10 | 19 | 22.5 | 0.8 |
| 0.82 | 26 | 12 | 21.5 | 22.5 | 0.8 |
| 1 | 26.5 | 10 | 19 | 22.5 | 0.8 |
| 1 | 26 | 11 | 20 | 22.5 | 0.8 |
| 1 | 26.5 | 12 | 21.5 | 22.5 | 0.8 |
| 1 | 26.5 | 13 | 23 | 22.5 | 0.8 |
| 1.2 | 26.5 | 10 | 19 | 22.5 | 0.8 |
| 1.2 | 26 | 12 | 21.5 | 22.5 | 0.8 |
| 1.2 | 26 | 12 | 21.5 | 22.5 | 0.8 |
| 1.5 | 26 | 15 | 25 | 22.5 | 0.8 |
| 1.5 | 26 | 12 | 21.5 | 22.5 | 0.8 |
| 1.5 | 26.5 | 12 | 23 | 22.5 | 0.8 |

| C _n (μF) | L | B | H | P | D |
|------------------------|------|------|------|------|-----|
| 1.8 | 26 | 15 | 25 | 22.5 | 0.8 |
| 2 | 26 | 15 | 25 | 22.5 | 0.8 |
| 2.2 | 26 | 15 | 25 | 22.5 | 0.8 |
| 2.2 | 26.5 | 16 | 26.5 | 22.5 | 0.8 |
| 2.5 | 26 | 13.5 | 24 | 22.5 | 0.8 |
| 0.39 | 31 | 9 | 18 | 27.5 | 0.8 |
| 0.47 | 31 | 9 | 18 | 27.5 | 0.8 |
| 0.56 | 31 | 9 | 18 | 27.5 | 0.8 |
| 0.68 | 31 | 9 | 18 | 27.5 | 0.8 |
| 0.82 | 31.5 | 10.5 | 19.5 | 27.5 | 0.8 |
| 0.82 | 31.5 | 13 | 21.6 | 27.5 | 0.8 |
| 0.83 | 31 | 9 | 18 | 27.5 | 0.8 |
| 1 | 31.5 | 10.8 | 19.5 | 27.5 | 0.8 |
| 1 | 31.5 | 13 | 21.6 | 27.5 | 0.8 |
| 1.2 | 31.5 | 13 | 21.6 | 27.5 | 0.8 |
| 1.2 | 31 | 11 | 20 | 27.5 | 0.8 |
| 1.5 | 31 | 11 | 20 | 27.5 | 0.8 |
| 1.5 | 31.5 | 13 | 21.6 | 27.5 | 0.8 |
| 1.5 | 31 | 14 | 23.5 | 27.5 | 0.8 |
| 1.5 | 21 | 14 | 25 | 27.5 | 0.8 |
| 1.8 | 31.5 | 13 | 21.6 | 27.5 | 0.8 |
| 1.8 | 31 | 14 | 25 | 27.5 | 0.8 |
| 2 | 31 | 16 | 25.5 | 27.5 | 0.8 |
| 2 | 31.5 | 13 | 21.6 | 27.5 | 0.8 |
| 2 | 31 | 14 | 25 | 27.5 | 0.8 |
| 2.2 | 31.5 | 13 | 21.6 | 27.5 | 0.8 |
| 2.2 | 31.5 | 14 | 25 | 27.5 | 0.8 |
| 2.2 | 32 | 16 | 25.5 | 27.5 | 0.8 |
| 2.2 | 32 | 15 | 30 | 27.5 | 0.8 |
| 2.2 | 32 | 18 | 28 | 27.5 | 0.8 |
| 2.5 | 32 | 17 | 28 | 27.5 | 0.8 |
| 2.5 | 32 | 16 | 25.5 | 27.5 | 0.8 |
| 3 | 32 | 15 | 24.5 | 27.5 | 0.8 |
| 3.3 | 31 | 16 | 27.5 | 27.5 | 0.8 |
| 3.3 | 31 | 18 | 33 | 27.5 | 0.8 |
| 3.3 | 31.5 | 22 | 31 | 27.5 | 0.8 |
| 3.3 | 32 | 18 | 28 | 27.5 | 0.8 |
| 3.5 | 32 | 18 | 28 | 27.5 | 0.8 |
| 3.9 | 32 | 17 | 28 | 27.5 | 0.8 |
| 3.9 | 31 | 19 | 28 | 27.5 | 0.8 |
| 3.9 | 31 | 18 | 33 | 27.5 | 0.8 |
| 4 | 31 | 18 | 33 | 27.5 | 0.8 |



外形尺寸 Dimensions (mm)

| C _n (μF) | L | B | H | P | D |
|---------------------|----|------|----|------|-----|
| 4.5 | 31 | 22 | 31 | 27.5 | 0.8 |
| 4.7 | 32 | 15 | 30 | 27.5 | 0.8 |
| 4.7 | 32 | 18.5 | 31 | 27.5 | 0.8 |
| 4.7 | 31 | 22 | 31 | 27.5 | 0.8 |
| 6.8 | 31 | 22 | 37 | 27.5 | 0.8 |

| C _n (μF) | L | B | H | P | D |
|---------------------|----|------|----|----|-----|
| 1 | 36 | 11 | 12 | 32 | 0.8 |
| 1.2 | 36 | 12 | 22 | 32 | 0.8 |
| 1.2 | 36 | 10.5 | 20 | 32 | 0.8 |
| 1.3 | 36 | 10.5 | 20 | 32 | 0.8 |
| 1.3 | 36 | 12 | 22 | 32 | 0.8 |
| 1.4 | 36 | 11 | 22 | 32 | 0.8 |
| 1.4 | 36 | 12.5 | 24 | 32 | 0.8 |
| 1.5 | 36 | 11 | 22 | 32 | 0.8 |
| 1.5 | 36 | 12.5 | 24 | 32 | 0.8 |
| 1.6 | 36 | 11 | 22 | 32 | 0.8 |
| 1.6 | 36 | 13.5 | 24 | 32 | 0.8 |
| 1.7 | 36 | 12 | 22 | 32 | 0.8 |
| 1.7 | 36 | 15 | 25 | 32 | 0.8 |
| 1.8 | 36 | 12 | 22 | 32 | 0.8 |
| 1.8 | 36 | 15 | 25 | 32 | 0.8 |
| 1.9 | 36 | 12.5 | 24 | 32 | 0.8 |
| 1.9 | 36 | 15 | 25 | 32 | 0.8 |
| 2 | 36 | 12.5 | 24 | 32 | 0.8 |
| 2 | 36 | 15 | 25 | 32 | 0.8 |
| 2.2 | 36 | 12.5 | 24 | 32 | 0.8 |
| 2.2 | 38 | 16 | 28 | 32 | 0.8 |
| 2.4 | 36 | 15 | 25 | 32 | 0.8 |
| 2.4 | 38 | 16 | 28 | 32 | 0.8 |
| 2.5 | 36 | 15 | 25 | 32 | 0.8 |
| 2.5 | 38 | 17 | 28 | 32 | 0.8 |
| 2.6 | 36 | 15 | 25 | 32 | 0.8 |
| 2.6 | 38 | 17 | 28 | 32 | 0.8 |
| 2.7 | 36 | 15 | 25 | 32 | 0.8 |
| 2.7 | 38 | 18.5 | 29 | 32 | 0.8 |
| 2.8 | 36 | 15 | 25 | 32 | 0.8 |
| 2.8 | 38 | 18.5 | 29 | 32 | 0.8 |
| 3 | 37 | 15 | 27 | 32 | 0.8 |
| 3 | 38 | 18.5 | 29 | 32 | 0.8 |

| C _n (μF) | L | B | H | P | D |
|---------------------|------|------|----|----|-----|
| 3.2 | 38 | 16 | 28 | 32 | 0.8 |
| 3.2 | 38 | 16 | 28 | 32 | 0.8 |
| 3.3 | 38 | 19.5 | 31 | 32 | 0.8 |
| 3.3 | 36 | 17 | 26 | 32 | 0.8 |
| 3.3 | 38 | 17 | 28 | 32 | 0.8 |
| 3.5 | 38 | 19.5 | 31 | 32 | 0.8 |
| 3.7 | 38 | 17 | 28 | 32 | 0.8 |
| 3.8 | 38 | 18.5 | 29 | 32 | 0.8 |
| 3.9 | 38 | 18.5 | 29 | 32 | 0.8 |
| 4 | 38 | 18.5 | 29 | 32 | 0.8 |
| 4.2 | 38 | 18.5 | 29 | 32 | 0.8 |
| 4.3 | 38 | 19.5 | 31 | 32 | 0.8 |
| 4.5 | 38 | 19.5 | 31 | 32 | 0.8 |
| 4.7 | 36 | 17 | 26 | 32 | 0.8 |
| 4.7 | 38 | 19.5 | 31 | 32 | 0.8 |
| 4.7 | 36.5 | 15.5 | 26 | 32 | 0.8 |
| 5 | 36 | 19.5 | 32 | 32 | 0.8 |
| 6 | 36 | 22 | 33 | 32 | 0.8 |

外形尺寸 Dimensions (mm)

| C _n (μF) | L | B | H | P | D |
|---------------------|------|------|------|------|-----|
| 1.5 | 41 | 11 | 22 | 37.5 | 1.0 |
| 1.8 | 41 | 11 | 22 | 37.5 | 1.0 |
| 2.2 | 41 | 16 | 28.5 | 37.5 | 1.0 |
| 3.3 | 41.5 | 15 | 24 | 37.5 | 1.0 |
| 3.9 | 41 | 16 | 30 | 37.5 | 1.0 |
| 4.7 | 41 | 15 | 26 | 37.5 | 1.0 |
| 6.8 | 41 | 18.5 | 33.5 | 37.5 | 1.0 |
| 8.2 | 41 | 22 | 37 | 37.5 | 1.0 |
| 10 | 42 | 24 | 36 | 37.5 | 1.0 |

| C _n (μF) | L | B | H | P | D |
|---------------------|----|------|----|----|-----|
| 3.7 | 47 | 17 | 31 | 42 | 1.0 |
| 3.9 | 47 | 17 | 31 | 42 | 1.0 |
| 4 | 47 | 17 | 31 | 42 | 1.0 |
| 4.3 | 47 | 19 | 31 | 42 | 1.0 |
| 4.5 | 47 | 19 | 31 | 42 | 1.0 |
| 4.7 | 47 | 20 | 31 | 42 | 1.0 |
| 5 | 47 | 20 | 31 | 42 | 1.0 |
| 5.5 | 48 | 23 | 32 | 42 | 1.0 |
| 6 | 48 | 23 | 32 | 42 | 1.0 |
| 6.5 | 47 | 23 | 35 | 42 | 1.0 |
| 6.8 | 48 | 24 | 37 | 42 | 1.0 |
| 7 | 48 | 24 | 37 | 42 | 1.0 |
| 7.5 | 48 | 24 | 37 | 42 | 1.0 |
| 8 | 48 | 26.5 | 38 | 42 | 1.0 |
| 8.2 | 48 | 26.5 | 38 | 42 | 1.0 |
| 8.5 | 48 | 26.5 | 38 | 42 | 1.0 |
| 9 | 46 | 24 | 38 | 42 | 1.0 |
| 9.5 | 48 | 24 | 37 | 42 | 1.0 |
| 10 | 48 | 24 | 37 | 42 | 1.0 |

金属化聚丙烯膜抗干扰电容器 (X2 THB系列)

Metallized polypropylene film Interference Suppression capacitor (X2 THB series)

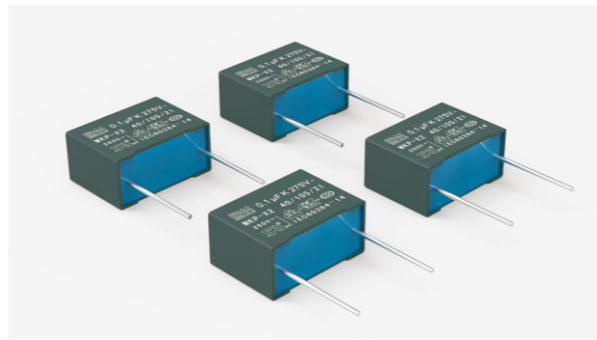
特点

优化系列X2认证型, 采用高分子聚丙烯薄膜介质、加厚型金属化电极、全自动喷焊工艺, 94V0级阻燃PBT塑壳、耐湿热环氧树脂密封、CP线引出。高耐压、耐湿热、低容降, 专用于阻容降压电路, 如LED驱动模块、电表、小家电等低功率电子消费产品。

Features

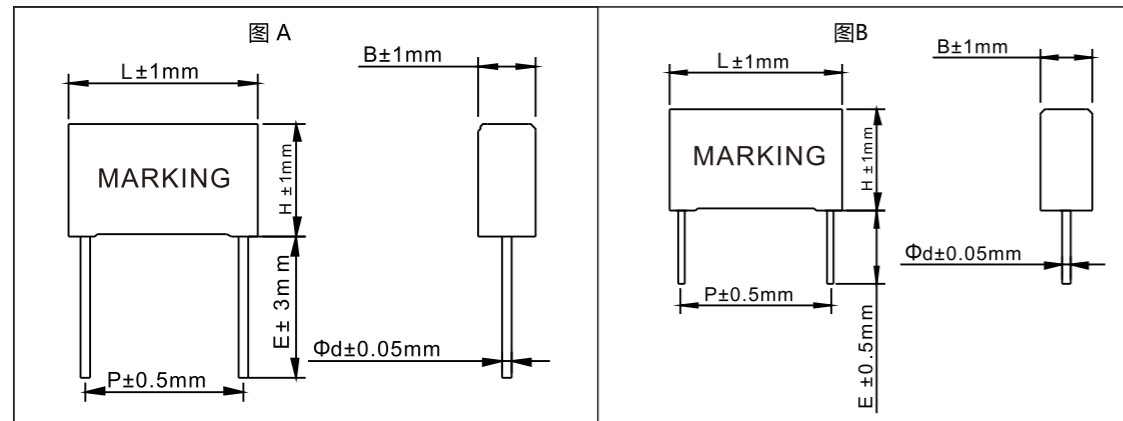
- Metallised polypropylene (MPP) film capacitor;
- 94V0 retardant PBT case;
- Epoxy filling;
- CP wire lead;
- Specially designed for capacitive divider;

Application: LED driver module, smart meter, appliance and other consumer goods.



产品可通过THB1000h双85测试
All of the product could pass the THB 85/85 1000H test.

外形图 Outline drawing



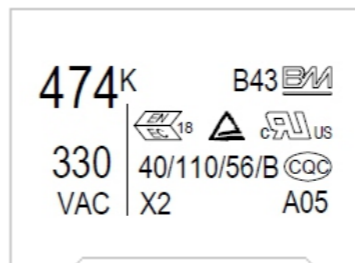
技术要求 Specifications

| | | |
|---|--|--|
| 电容器类别Class | X2类 | |
| 引用标准Reference Standard | IEC 60384-14:2013、GB/T 6346.14-2015、UL60386-14: 2009 | |
| 气候类别 Climatic Category and Flammability Category | 40/105/21、40/110/56/B | |
| 额定电压Rated Voltage | 275Vac / 310 Vac (50/60Hz) | |
| 电容量范围Capacitance Range | 0.010μF~10μF | |
| 电容量偏差Capacitance Tolerance | ±5% (J)、±10% (K) | |
| 绝缘电阻Insulation Resistance | 引线之间Between Terminals: | ≥15000 MΩ, C _R ≤0.33μF (100VDC) |
| | 极壳之间Between Terminals To Case: | ≥5000S C _R >0.33μF (100VDC 60S) |
| 耐电压Voltage Proof | 4.3*UR(VDC)/10S | |
| 预期使用寿命Service life | 50000H (Un θhs 70°C) | |
| 损耗角正切Dissipation Factor | 0.01μF ≤ C _R ≤ 0.47μF, ≤ 0.1% | |
| | 0.47μF < C _R ≤ 1.0μF, ≤ 0.2% | |
| | C _R > 1.0μF, ≤ 0.3% | |
| 电压爬升率Pulse rise time(dv/dt) | 100V/μs Max | |
| 工作温度范围Temperature range | -40~110°C | |

外形尺寸 Dimensions (mm)

| C _n (μF) | L | B ^P | H | | D |
|---------------------|------|----------------|------|------|-----|
| 0.01 | 13 | 6 | 12 | 10 | 0.6 |
| 0.1 | 18 | 6 | 12 | 15 | 0.8 |
| 0.15 | 18 | 7.5 | 13.5 | 15 | 0.8 |
| 0.22 | 18 | 8.5 | 14.5 | 15 | 0.8 |
| 0.33 | 18 | 10 | 15.8 | 15 | 0.8 |
| 0.39 | 26.5 | 8.5 | 17 | 22.5 | 0.8 |
| 0.47 | 26.5 | 8.5 | 17 | 22.5 | 0.8 |
| 0.56 | 26.5 | 10 | 19 | 22.5 | 0.8 |
| 0.68 | 26.5 | 10 | 19 | 22.5 | 0.8 |
| 1 | 26.5 | 13 | 23 | 22.5 | 0.8 |
| 4.7 | 31 | 22 | 31 | 27.5 | 0.8 |
| 6.8 | | 20.5 | 34 | 37.5 | 1.0 |
| 10 | 42 | 24 | 36 | 37.5 | 1.0 |

Capacitor Marking E.G.



| | | | |
|--------|--|-------------|---|
| | Manufacture's logo | | Safety approval : ENEC/TUV/CQC/UL |
| X2 | EMI suppression capacitor - Safety Class X2 | 40/110/56/B | Climatic Category and Flammability Category |
| 474 | Capacitance = 470nF | B43 | Code |
| K | Capacitance tolerance =±10% | A05 | production cycle |
| 330VAC | Rated Voltage | | |

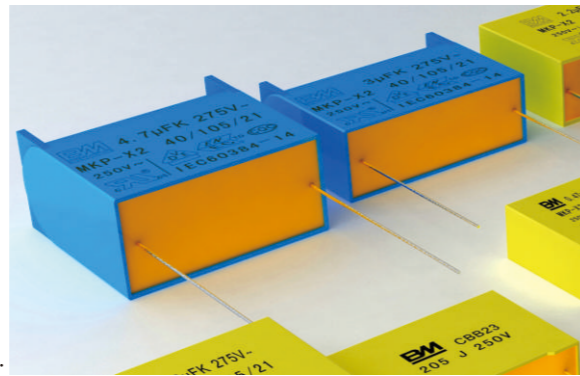
金属化聚丙烯膜抗干扰电容器 (RC并联) Metallized polypropylene film Interference Suppression capacitor (Parallel RC-Unit)

特点

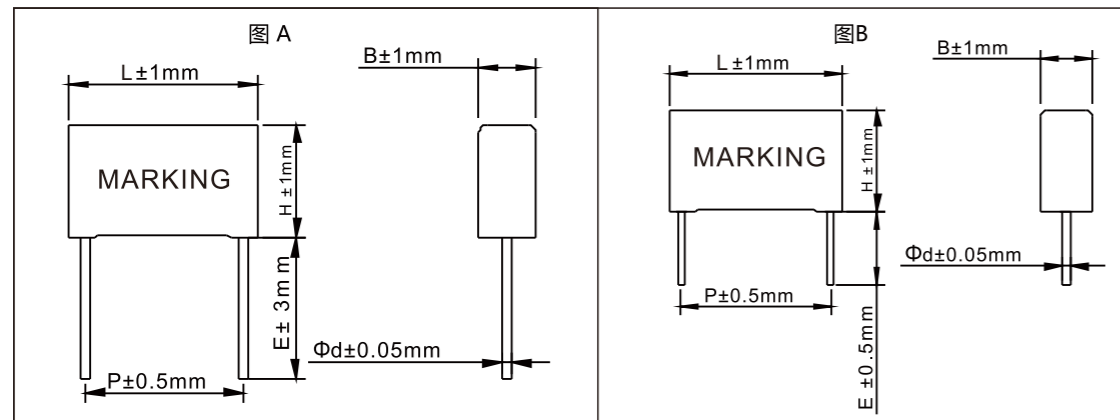
- X2电容与放电电阻内部并联构成
- 优良的阻燃性能
- 广泛用于电源线路等抗干扰场合

Features

- Internal parallel connection from X2 cap to discharge resistor
- Excellent active and passive flame resistant abilities
- Widely used in across-the-line, interference suppression circuit, etc.



外形图 Outline drawing



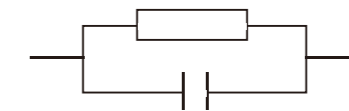
技术要求 Specifications

| | | |
|----------------------------|----------------------------------|--------------------------------------|
| 电容器类别Class | XR类 | |
| 气候类别Climatic Category | 40/105/21 | |
| 额定电压Rated Voltage | 275Vac / 310 Vac (50/60Hz) | |
| 电容量范围Capacitance Range | 0.22μF~10μF | |
| 电容量偏差Capacitance Tolerance | ±5% (J)、±10% (K)、±20% (M) | |
| 耐电压Voltage Proof | 引线之间Between Terminals: | 4.3Un VDC / 60sec |
| | 极壳之间Between Terminals To Case: | 2050VAC, 50/60HZ, 60sec |
| 放电电阻范围Resistance range | 470KΩ—20MΩ ±10% (K) | |
| 损耗角正切Dissipation Factor | 0.01μF ≤ C _R < 0.47μF | ≤ 20 × 10 ⁻⁴ (1KHz, 20°C) |
| | 0.47μF ≤ C _R ≤ 1 μF | ≤ 20 × 10 ⁻⁴ (1KHz, 20°C) |
| | 1 < μF ≤ C _R ≤ 10 μF | ≤ 30 × 10 ⁻⁴ (1KHz, 20°C) |

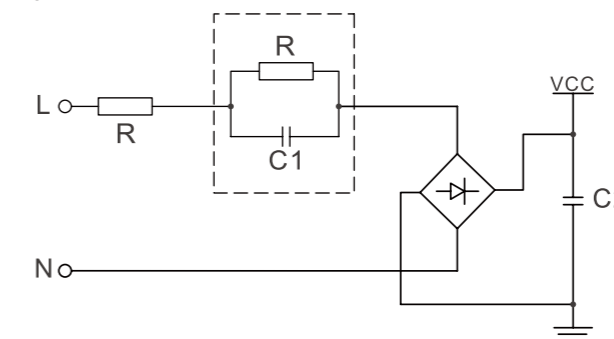
外形尺寸 Dimensions (mm)

| C _n (μF) | Resistance | L | B | H | P | D |
|---------------------|----------------|----------------|----------------|--------------|---------------|-----|
| 0.22 | 470KΩ~ 20MΩ | 26.5 | 7 | 16 | 22.5 | 0.8 |
| 0.33 | | 26.5 | 8.5 | 17 | 22.5 | 0.8 |
| 0.47 | | 26.5 | 10 | 18.5 | 22.5 | 0.8 |
| 0.68 | | 26.5 | 11 | 20 | 22.5 | 0.8 |
| 1 | | 26.5 | 12 | 22 | 22.5 | 0.8 |
| 0.47 | | 32 | 9 | 18 | 27.5 | 0.8 |
| 0.68 | | 32 | 11 | 20 | 27.5 | 0.8 |
| 1 | | 32 | 13 | 22 | 27.5 | 0.8 |
| 1.5 | | 32 | 13 | 22 | 27.5 | 0.8 |
| 2.2 | | 32 | 14 | 28 | 27.5 | 0.8 |
| 3.3 | 32 | 18 | 33 | 27.5 | 0.8 | |
| 4.7 | 32 | 22 | 37 | 27.5 | 0.8 | |
| 1.5 | 41 | 11 | 22 | 37.5 | 1 | |
| 2.2 | 41 | 13 | 24 | 37.5 | 1 | |
| 3.3 | 42 | 14 | 28 | 37.5 | 1 | |
| 4.7 | 41 | 17 | 32 | 37.5 | 1 | |
| 6.8 | 42 | 20 | 40 | 37.5 | 1 | |
| 10 | 41 | 26 | 41 | 37.5 | 1 | |
| 电阻值 | 470KΩ 2.2MΩ | 680KΩ 3.3MΩ | 820KΩ 4.7MΩ | 1MΩ 6.8MΩ | 1.5MΩ 10MΩ | |

内部示意图



典型线路图
Typical circuit



C: 降压电容
Capacitive divider

金属化聚丙烯膜抗干扰阻容模块 (RC串联)

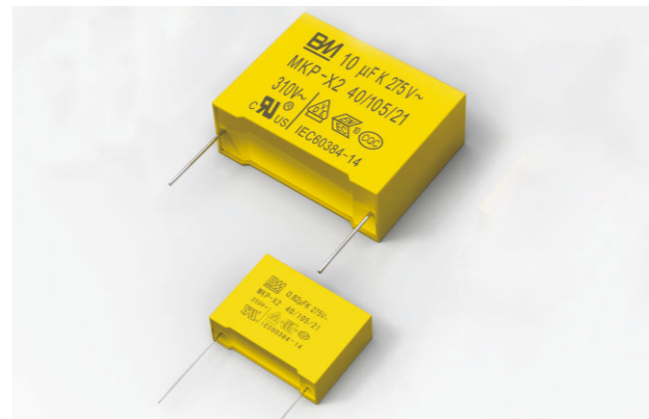
Metallized polypropylene film Interference Suppression (Series RC-Unit)

特点

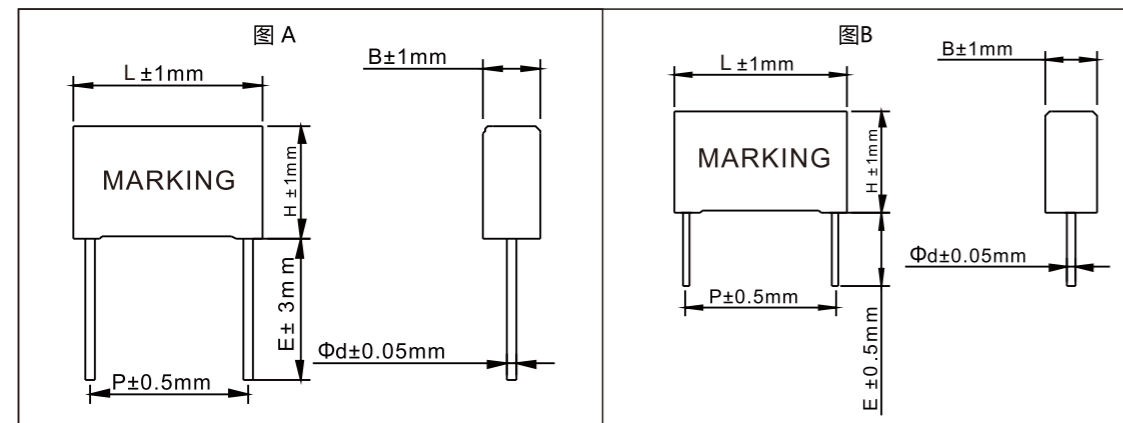
- 金属化聚丙烯膜 能承受过压冲击
- 优良的阻燃性能 具有良好的抑制噪音
- 吸收能量尖峰和阻尼作用

Features

- Metallized polypropylene film
- Withstanding overvoltage stressing
- Excellent active and passive flame resistant abilities
- Excellent active noise suppression , absorbing peak and energy, damp .



外形图 Outline drawing



技术要求 Specifications

| | | |
|----------------------------|--------------------------------|-------------------------|
| 电容器类别Class | XR类 | |
| 气候类别Climatic Category | 40/105/21 | |
| 额定电压Rated Voltage | 275Vac / 310 Vac (50/60Hz) | |
| 电容量范围Capacitance Range | 0.22μF~10μF | |
| 电容量偏差Capacitance Tolerance | ±5% (J)、±10% (K)、±20% (M) | |
| 耐电压Voltage Proof | 引线之间Between Terminals: | 4.3Un VDC / 60sec |
| | 极壳之间Between Terminals To Case: | 2050VAC, 50/60HZ, 60sec |
| 放电电阻范围Resistance range | 470KΩ— 20MΩ ±10% (K) | |

外形尺寸 Dimensions (mm)

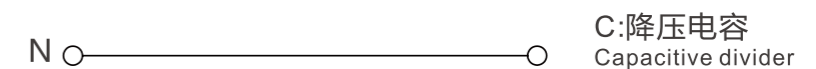
| C _n (μF) | Resistance | L | B | H | P | D |
|---------------------|------------|------|------|------|------|-----|
| 0.01 | 10~470Ω | 18 | 6 | 13.5 | 15 | 0.6 |
| 0.01 | 120Ω | 18 | 6 | 17 | 15 | 0.6 |
| 0.015 | 10~470Ω | 18 | 6 | 13.5 | 15 | 0.6 |
| 0.022 | 10~470Ω | 18 | 6 | 13.5 | 15 | 0.6 |
| 0.033 | 10~470Ω | 18 | 6 | 13.5 | 15 | 0.6 |
| 0.047 | 10~470Ω | 18 | 6 | 13.5 | 15 | 0.6 |
| 0.068 | 10~470Ω | 22 | 7.5 | 13.5 | 18 | 0.6 |
| 0.1 | 10~470Ω | 22 | 7.5 | 13.5 | 18 | 0.6 |
| 0.1 | 10~470Ω | 18 | 6 | 17 | 15 | 0.6 |
| 0.15 | 120Ω | 26.5 | 7 | 16.5 | 22.5 | 0.8 |
| 0.22 | 10~470Ω | 26.5 | 7 | 16.5 | 22.5 | 0.8 |
| 0.27 | 10~470Ω | 26.5 | 8.5 | 17 | 22.5 | 0.8 |
| 0.3 | 10~470Ω | 31 | 9 | 18 | 27.5 | 0.8 |
| 0.33 | 10~470Ω | 31 | 9 | 18 | 27.5 | 0.8 |
| 0.47 | 10~470Ω | 31 | 11 | 20 | 27.5 | 0.8 |
| 0.5 | 10~470Ω | 31 | 11 | 20 | 27.5 | 0.8 |
| 0.68 | 10~470Ω | 31 | 13 | 22 | 27.5 | 0.8 |
| 1 | 10~470Ω | 31 | 13 | 22 | 27.5 | 0.8 |
| 电阻值 | 10Ω | 22Ω | 47Ω | 51Ω | 68Ω | |
| | 100Ω | 120Ω | 220Ω | 470Ω | 1KΩ | |



典型线路图
Typical circuit



后级电路
Back-stage circuit



C: 降压电容
Capacitive divider

塑料外壳双面金属化聚丙烯膜电容器

Double sided metallized polypropylene film capacitor (Box type)

特点

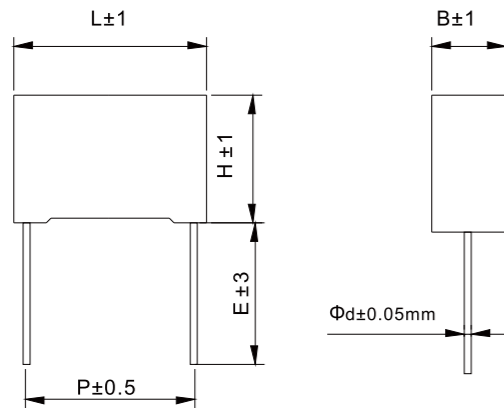
双面金属化聚丙烯膜
损耗小、内部升温小
负电容量温度系数
优异的阻燃性能

Features

Doublesided metallized polypropylene film
Low loss and small inherent temperature rise
Negative temperature coefficient of capacitance
Excellent active and passive flame resistant circuit

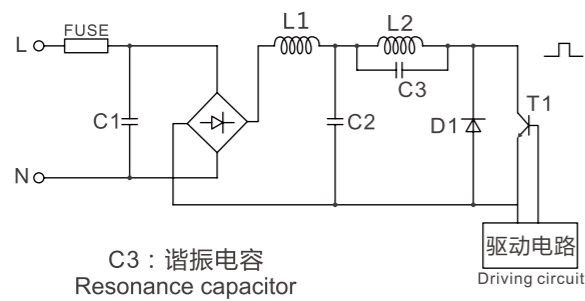


外形图 Outline drawing



典型线路图

Typical circuit



技术要求 Specifications

| | | | | | | |
|---|--|------|------|--------|--------|--|
| 引用标准Reference Standard | GB/T 14579(IEC 60384-17) | | | | | |
| 气候类别Climatic Category | 40/105/56 | | | | | |
| 额定温度Rated Temperature | 85°C | | | | | |
| 工作温度Operating Temperature | -40°C~105°C(+85°C to 105°C:decreasing factor 1.25% per °C for UR(dc) (+75°C to 105°C:decreasing factor 1.35% per °C for UR(ac)) | | | | | |
| 额定电压Rated Voltage | 250Vac(630 Vdc),300 Vac(800 Vdc),400Vac(1000Vdc), 500 Vac(1600 Vdc),700 Vac(2000Vdc),900 Vac(2500 Vdc) | | | | | |
| 电容量范围Capacitance Range | 0.010μF~0.12μF | | | | | |
| 电容量偏差Capacitance Tolerance | ±5% (J)、±10% (K)、±20% (M) | | | | | |
| 耐电压Voltage Proof | 1.6UR(10S) | | | | | |
| 损耗角正切Dissipation Factor | ≤0.0010(1kHz 1V) | | | | | |
| 绝缘电阻Insulation Resistance | ≥100000MΩ,(20°C,100v,1min) | | | | | |
| 最大脉冲爬升速度Maximum Pulse Rise Time(dV/dt):若实际工作电压U比额定电压UR低,电容器可工作在更高的Dv/dt场合,这样dV/dt允许值应为右表值乘以UR/U If the working voltage (U) is lower than the rated voltage (UR), the capacitor can be worked at a higher dV/dt. In this case, the maximum allowed dV/dt is obtain by multiplying the right value with UR/U | dV/dt(V/μs) | | | | | |
| | UR(V) | P=10 | P=15 | P=22.5 | P=27.5 | |
| | 250(630 Vdc) | 2000 | 1000 | --- | --- | |
| | 300(800 Vdc) | --- | 1500 | 1500 | --- | |
| | 400(1000 Vdc) | --- | 2000 | 1800 | | |
| | 500(1600 Vdc) | --- | 2500 | 2000 | 1500 | |
| | 700(2000 Vdc) | --- | 5000 | 3500 | 1800 | |
| 900(2500 Vdc) | --- | --- | 5000 | | | |

外形尺寸 Dimensions (mm)

| 630VDC | | | | | |
|---------------------|------|------|------|------|-----|
| C _n (μF) | L | B | H | P | D |
| 0.022 | 13 | 4 | 9 | 10 | 0.6 |
| 0.027 | 13 | 4 | 9 | 10 | 0.6 |
| 0.033 | 13 | 4 | 9 | 10 | 0.6 |
| 0.039 | 13 | 4 | 9 | 10 | 0.6 |
| 0.047 | 13 | 5 | 11 | 10 | 0.6 |
| 0.056 | 13 | 5 | 11 | 10 | 0.6 |
| 0.068 | 13 | 5 | 11 | 10 | 0.6 |
| 0.082 | 13 | 6 | 12 | 10 | 0.6 |
| 0.1 | 13 | 6 | 12 | 10 | 0.6 |
| 0.15 | 13 | 6 | 12 | 10 | 0.6 |
| 0.18 | 13 | 8 | 14 | 10 | 0.6 |
| 0.22 | 13 | 8 | 14 | 10 | 0.6 |
| 0.068 | 18 | 5 | 11 | 15 | 0.6 |
| 0.082 | 18 | 5 | 11 | 15 | 0.6 |
| 0.1 | 18 | 5 | 11 | 15 | 0.6 |
| 0.15 | 18 | 5 | 11 | 15 | 0.6 |
| 0.18 | 18 | 6 | 12 | 15 | 0.8 |
| 0.22 | 18 | 7.5 | 13.5 | 15 | 0.8 |
| 0.27 | 18 | 7.5 | 13.5 | 15 | 0.8 |
| 0.33 | 18 | 8.5 | 14.5 | 15 | 0.8 |
| 0.39 | 18 | 10 | 15.8 | 15 | 0.8 |
| 0.47 | 18 | 10 | 15.8 | 15 | 0.8 |
| 0.56 | 18 | 10 | 18 | 15 | 0.8 |
| 0.68 | 18 | 10 | 18 | 15 | 0.8 |
| 0.82 | 18 | 11 | 19 | 15 | 0.8 |
| 1 | 18 | 11 | 19 | 15 | 0.8 |
| 0.1 | 26.5 | 6 | 14.5 | 22.5 | 0.8 |
| 0.15 | 26.5 | 6 | 15 | 22.5 | 0.8 |
| 0.18 | 26.5 | 6 | 15 | 22.5 | 0.8 |
| 0.22 | 26.5 | 6 | 15 | 22.5 | 0.8 |
| 0.27 | 26.5 | 6 | 15 | 22.5 | 0.8 |
| 0.33 | 26.5 | 7 | 16.5 | 22.5 | 0.8 |
| 0.39 | 26.5 | 7 | 16.5 | 22.5 | 0.8 |
| 0.47 | 26.5 | 7 | 16.5 | 22.5 | 0.8 |
| 0.56 | 26.5 | 8.5 | 17 | 22.5 | 0.8 |
| 0.68 | 26.5 | 8.5 | 17 | 22.5 | 0.8 |
| 0.82 | 26.5 | 10 | 19 | 22.5 | 0.8 |
| 1 | 26.5 | 10 | 19 | 22.5 | 0.8 |
| 0.47 | 31 | 9 | 18 | 27.5 | 0.8 |
| 0.56 | 31 | 9 | 18 | 27.5 | 0.8 |
| 0.68 | 31 | 9 | 18 | 27.5 | 0.8 |
| 0.82 | 31.4 | 10.8 | 19.5 | 27.5 | 0.8 |
| 1 | 31.4 | 10.8 | 19.5 | 27.5 | 0.8 |

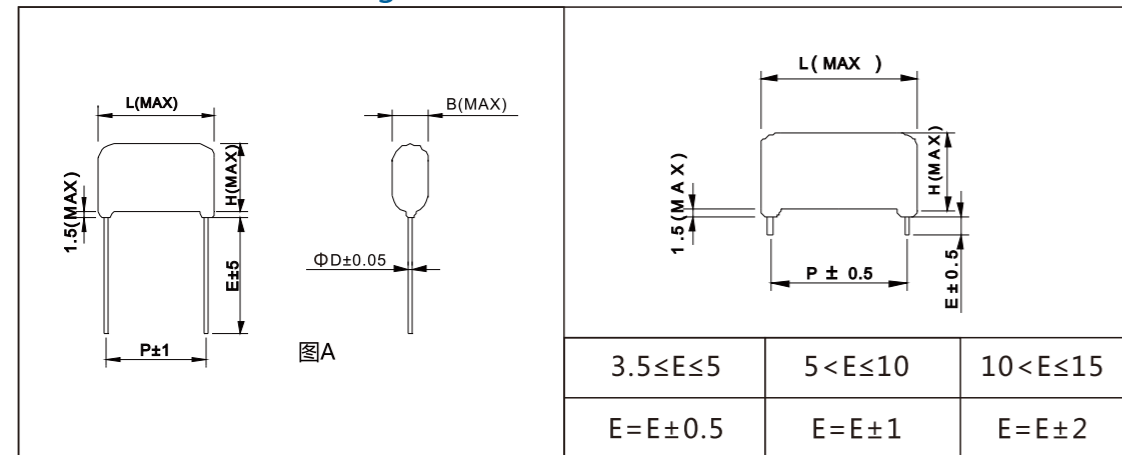
外形尺寸 Dimensions (mm)

| 630VDC | | | | | |
|---------------------|------|------|------|------|-----|
| C _n (μF) | L | B | H | P | D |
| 1.2 | 31 | 11 | 20 | 27.5 | 0.8 |
| 1.5 | 31.5 | 13 | 21.6 | 27.5 | 0.8 |
| 1.8 | 31 | 14 | 23.5 | 27.5 | 0.8 |
| 2 | 31 | 14 | 25 | 27.5 | 0.8 |
| 2.2 | 32 | 16 | 25.5 | 27.5 | 0.8 |
| 2.7 | 32 | 17 | 28 | 27.5 | 0.8 |
| 3.3 | 32 | 18 | 28 | 27.5 | 0.8 |
| 3.9 | 32 | 18 | 33 | 27.5 | 0.8 |
| 0.1 | 13 | 6 | 12 | 10 | 0.6 |
| 0.15 | 13 | 6 | 12 | 10 | 0.6 |
| 0.18 | 13 | 8 | 14 | 10 | 0.6 |
| 0.22 | 13 | 8 | 14 | 10 | 0.6 |
| 0.068 | 18 | 5 | 11 | 15 | 0.6 |
| 0.082 | 18 | 5 | 11 | 15 | 0.6 |
| 0.1 | 18 | 5 | 11 | 15 | 0.6 |
| 0.15 | 18 | 5 | 11 | 15 | 0.6 |
| 0.18 | 18 | 6 | 12 | 15 | 0.8 |
| 0.22 | 18 | 7.5 | 13.5 | 15 | 0.8 |
| 0.27 | 18 | 7.5 | 13.5 | 15 | 0.8 |
| 0.33 | 18 | 8.5 | 14.5 | 15 | 0.8 |
| 0.39 | 18 | 10 | 15.8 | 15 | 0.8 |
| 0.47 | 18 | 10 | 15.8 | 15 | 0.8 |
| 0.56 | 18 | 10 | 18 | 15 | 0.8 |
| 0.68 | 18 | 10 | 18 | 15 | 0.8 |
| 0.82 | 18 | 11 | 19 | 15 | 0.8 |
| 1 | 18 | 11 | 19 | 15 | 0.8 |
| 0.1 | 26.5 | 6 | 14.5 | 22.5 | 0.8 |
| 0.15 | 26.5 | 6 | 15 | 22.5 | 0.8 |
| 0.18 | 26.5 | 6 | 15 | 22.5 | 0.8 |
| 0.22 | 26.5 | 6 | 15 | 22.5 | 0.8 |
| 0.27 | 26.5 | 6 | 15 | 22.5 | 0.8 |
| 0.33 | 26.5 | 7 | 16.5 | 22.5 | 0.8 |
| 0.39 | 26.5 | 7 | 16.5 | 22.5 | 0.8 |
| 0.47 | 26.5 | 7 | 16.5 | 22.5 | 0.8 |
| 0.56 | 26.5 | 8.5 | 17 | 22.5 | 0.8 |
| 0.68 | 26.5 | 8.5 | 17 | 22.5 | 0.8 |
| 0.82 | 26.5 | 10 | 19 | 22.5 | 0.8 |
| 1 | 26.5 | 10 | 19 | 22.5 | 0.8 |
| 0.47 | 31 | 9 | 18 | 27.5 | 0.8 |
| 0.56 | 31 | 9 | 18 | 27.5 | 0.8 |
| 0.68 | 31 | 9 | 18 | 27.5 | 0.8 |
| 0.82 | 31.4 | 10.8 | 19.5 | 27.5 | 0.8 |
| 1 | 31.4 | 10.8 | 19.5 | 27.5 | 0.8 |

金属化聚丙烯膜电容器 (粉包型)

Metallized polypropylene film capacitor (dipped type)

外形图 Outline drawing



特点

金属化聚丙烯膜
高频损耗小
内部升温小
阻燃环氧粉末封装 (UL94/V-0)

主要用途

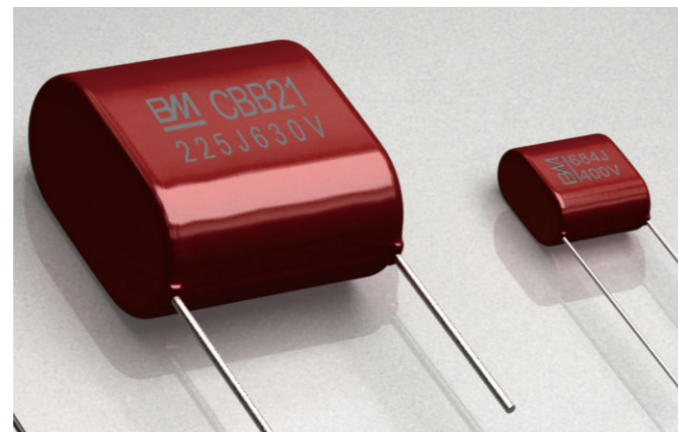
广泛应用于高频、直流、交流和脉冲电路中
适用于要求体积小, 性能优异的彩电S校正电路
专为大屏幕显示器及彩电的S校正电路设计
适用于各种高频、大电流场合

Features

Metallized polypropylene film
Low loss at high frequency
Small inherent temperature rise
Flame retardant epoxy resin powder coating (UL94/V-0)

Typical application

Widely used in high frequency, DC, AC and pulse circuits
Providing optimum performance with small size in S-correction circuits for colour TV set
Specially designed for S-correction circuits of large Screen monitor and colour TV
Suitable for the situation where applies high frequency and high current pulse



技术要求 Specifications

| | | | | | | | |
|---|---|-------------|------|------|------|------|------|
| 引用标准Reference Standard | GB/T 14579(IEC 60384-17) | | | | | | |
| 气候类别Climatic Category | 40/105/21 | | | | | | |
| 额定温度Rated Temperature | 85°C | | | | | | |
| 工作温度Operating Temperature | -40°C~105°C(+85°C to 105°C:decreasing factor 1.25% per °C for UR) | | | | | | |
| 额定电压Rated Voltage | 100V、160V、250V、400V、630V、1000V、1250V | | | | | | |
| 电容量范围Capacitance Range | 0.010μF~10μF | | | | | | |
| 电容量偏差Capacitance Tolerance | ±5% (J)、±10% (K)、±20% (M) | | | | | | |
| 耐电压Voltage Proof | 1.8UR(10S) | | | | | | |
| 损耗角正切Dissipation Factor | ≤0.0010(1kHz 1V) | | | | | | |
| 绝缘电阻Insulation Resistance | ≥100000MΩ, C _R ≤0.33μF ≥30000s, C _R >0.33μF (20°C,100V,1min) | | | | | | |
| 最大脉冲爬升速度Maximum Pulse Rise Time(dV/dt):若实际工作电压U比额定电压UR低, 电容器可工作在更高的Dv/dt场合, 这样dV/dt允许值应为右表值乘以UR/U If the working voltage (U) is lower than the rated voltage (UR), the capacitor can be worked at a higher dV/dt. In this case, the maximum allowed dV/dt is obtain by multiplying the right value with UR/U | UR(V) | dV/dt(V/μs) | | | | | |
| | | P=7.5 | P=10 | P=15 | P=20 | P=25 | P=30 |
| | 100/160 | 180 | 150 | 110 | 80 | 60 | --- |
| | 200/250 | 660 | 560 | 310 | 150 | 110 | --- |
| | 400 | 900 | 780 | 600 | 300 | 180 | 120 |
| 630 | 1500 | 1200 | 900 | 400 | 220 | 150 | |
| 1000 | 2500 | 2200 | --- | --- | --- | --- | |

外形尺寸 Dimensions (mm)

250VDC

| C _n (μF) | L | B | H | P | D | C _n (μF) | L | B | H | P | D |
|------------------------|------|------|------|----|-----|------------------------|------|------|------|----|-----|
| 0.056 | 13.0 | 6.5 | 10.0 | 10 | 0.6 | 3.3 | 29.5 | 12.0 | 19.5 | 26 | 0.8 |
| 0.068 | 13.0 | 7.0 | 10.5 | 10 | 0.6 | 3.9 | 29.5 | 13.0 | 20.0 | 26 | 0.8 |
| 0.082 | 13.0 | 6.0 | 10.5 | 10 | 0.6 | 4.0 | 29.5 | 13.5 | 20.5 | 26 | 0.8 |
| 0.10 | 13.0 | 6.5 | 11.0 | 10 | 0.6 | 4.7 | 29.5 | 13.0 | 23.5 | 26 | 0.8 |
| 0.12 | 13.0 | 7.0 | 11.5 | 10 | 0.6 | 5.0 | 29.5 | 14.0 | 23.0 | 26 | 0.8 |
| 0.10 | 18 | 6.5 | 12.0 | 15 | 0.8 | 5.6 | 29.5 | 16.0 | 23.0 | 26 | 0.8 |
| 0.12 | 18 | 7.0 | 12.5 | 15 | 0.8 | 6.0 | 29.5 | 16.5 | 23.5 | 26 | 0.8 |
| 0.15 | 18 | 6.5 | 15.0 | 15 | 0.8 | 6.8 | 29.5 | 16.5 | 25.5 | 26 | 0.8 |
| 0.18 | 18 | 8.5 | 14.0 | 15 | 0.8 | 7.0 | 29.5 | 17.0 | 25.5 | 26 | 0.8 |
| 0.22 | 18 | 6.5 | 12.0 | 15 | 0.8 | 4.0 | 35 | 12.0 | 19.0 | 31 | 0.8 |
| 0.27 | 18 | 8.5 | 14.0 | 15 | 0.8 | 4.7 | 35 | 13.0 | 20.0 | 31 | 0.8 |
| 0.30 | 18 | 7.5 | 13.0 | 15 | 0.8 | 5.0 | 35 | 13.5 | 20.5 | 31 | 0.8 |
| 0.33 | 18 | 7.5 | 13.2 | 15 | 0.8 | 5.6 | 35 | 14.0 | 21.0 | 31 | 0.8 |
| 0.39 | 18 | 7.0 | 12.0 | 15 | 0.8 | 6.0 | 35 | 14.5 | 22.0 | 31 | 0.8 |
| 0.47 | 18 | 7.0 | 14.0 | 15 | 0.8 | 6.8 | 35 | 15.5 | 23.0 | 31 | 0.8 |
| 0.56 | 18 | 8.0 | 13.5 | 15 | 0.8 | 7.0 | 35 | 16.0 | 23.0 | 31 | 1 |
| 0.68 | 18 | 8.0 | 15.5 | 15 | 0.8 | 8.2 | 35 | 16.5 | 25.0 | 31 | 1 |
| 0.82 | 18 | 9.0 | 16.0 | 15 | 0.8 | 10.0 | 35 | 16.0 | 30.0 | 31 | 1 |
| 1.00 | 18 | 10.5 | 16.5 | 15 | 0.8 | 4.0 | 45 | 10.0 | 17.0 | 41 | 0.8 |
| 1.20 | 18 | 11.5 | 17.0 | 15 | 0.8 | 4.7 | 45 | 11.0 | 18.0 | 41 | 0.8 |
| 0.56 | 23 | 6.5 | 12.5 | 20 | 0.8 | 5.0 | 45 | 12.0 | 17.5 | 41 | 0.8 |
| 0.68 | 23 | 6.5 | 14.0 | 20 | 0.8 | 5.6 | 45 | 12.0 | 19.0 | 41 | 0.8 |
| 0.82 | 23 | 8.0 | 13.5 | 20 | 0.8 | 6.0 | 45 | 13.0 | 18.5 | 41 | 0.8 |
| 1.0 | 23 | 8.5 | 14.5 | 20 | 0.8 | 6.8 | 45 | 13.0 | 20.5 | 41 | 0.8 |
| 1.2 | 23 | 9.5 | 15.0 | 20 | 0.8 | 7.0 | 45 | 12.5 | 21.5 | 41 | 0.8 |
| 1.5 | 23 | 9.5 | 16.5 | 20 | 0.8 | | | | | | |
| 1.8 | 23 | 10.5 | 17.5 | 20 | 0.8 | | | | | | |
| 2.0 | 23 | 10.0 | 20.0 | 20 | 0.8 | | | | | | |
| 2.2 | 23 | 11.5 | 19.0 | 20 | 0.8 | | | | | | |
| 2.7 | 23 | 13.0 | 20.5 | 20 | 0.8 | | | | | | |
| 30 | 23 | 13.5 | 21.0 | 20 | 0.8 | | | | | | |
| 1.5 | 25 | 10.0 | 15.5 | 22 | 0.8 | | | | | | |
| 1.8 | 25 | 11.0 | 16.5 | 22 | 0.8 | | | | | | |
| 2.0 | 25 | 11.5 | 17.0 | 22 | 0.8 | | | | | | |
| 2.2 | 25 | 11.5 | 18.5 | 22 | 0.8 | | | | | | |
| 2.7 | 25 | 12.5 | 20.0 | 22 | 0.8 | | | | | | |
| 3.0 | 25 | 13.0 | 20.5 | 22 | 0.8 | | | | | | |
| 3.3 | 25 | 14.0 | 21.0 | 22 | 0.8 | | | | | | |
| 1.8 | 29.5 | 9.5 | 15.0 | 26 | 0.8 | | | | | | |
| 2.0 | 29.5 | 10.0 | 15.5 | 26 | 0.8 | | | | | | |
| 2.2 | 29.5 | 9.0 | 18.5 | 26 | 0.8 | | | | | | |
| 2.7 | 29.5 | 11.0 | 18.0 | 26 | 0.8 | | | | | | |
| 3.0 | 29.5 | 11.0 | 19.5 | 26 | 0.8 | | | | | | |

外形尺寸 Dimensions (mm)

400VDC

| C _n (μF) | L | B | H | P | D | C _n (μF) | L | B | H | P | D |
|------------------------|------|------|------|----|-----|------------------------|------|------|------|----|-----|
| 0.027 | 13.0 | 6.5 | 12.0 | 10 | 0.6 | 2.0 | 29.5 | 12.0 | 19.0 | 26 | 0.8 |
| 0.030 | 13.0 | 6.5 | 12.0 | 10 | 0.6 | 2.2 | 29.5 | 12.5 | 19.5 | 26 | 0.8 |
| 0.033 | 13.0 | 7.0 | 12.0 | 10 | 0.6 | 2.7 | 29.5 | 13.0 | 21.5 | 26 | 0.8 |
| 0.039 | 13.0 | 7.0 | 12.5 | 10 | 0.6 | 3.0 | 29.5 | 14.5 | 21.5 | 26 | 0.8 |
| 0.047 | 13.0 | 8.0 | 13.0 | 10 | 0.6 | 3.3 | 29.5 | 14.5 | 23.0 | 26 | 0.8 |
| 0.056 | 13.0 | 8.5 | 14.0 | 10 | 0.8 | 3.9 | 29.5 | 16.0 | 24.5 | 26 | 0.8 |
| 0.10 | 18.0 | 6.5 | 12.0 | 15 | 0.8 | 4.0 | 29.5 | 16.0 | 25.0 | 26 | 0.8 |
| 0.12 | 18.0 | 7.0 | 13.0 | 15 | 0.8 | 4.7 | 29.5 | 18.0 | 25.0 | 26 | 0.8 |
| 0.15 | 18.0 | 6.5 | 12.5 | 15 | 0.8 | 1.5 | 31.0 | 10.0 | 17.5 | 27 | 0.8 |
| 0.18 | 18.0 | 8.5 | 14.0 | 15 | 0.8 | 1.8 | 31.0 | 10.5 | 19.5 | 27 | 0.8 |
| 0.22 | 18.0 | 6.5 | 12.5 | 15 | 0.8 | 2.0 | 31.0 | 11.0 | 20.0 | 27 | 0.8 |
| 0.27 | 18.0 | 7.0 | 13.0 | 15 | 0.8 | 2.2 | 31.0 | 11.5 | 20.5 | 27 | 0.8 |
| 0.30 | 18.0 | 7.5 | 13.0 | 15 | 0.8 | 2.7 | 31.0 | 13.0 | 22.0 | 27 | 0.8 |
| 0.33 | 18.0 | 7.5 | 13.5 | 15 | 0.8 | 3.0 | 31.0 | 13.5 | 22.5 | 27 | 0.8 |
| 0.39 | 18.0 | 8.5 | 14.5 | 15 | 0.8 | 3.3 | 31.0 | 14.5 | 23.0 | 27 | 0.8 |
| 0.47 | 18.0 | 8.5 | 15.5 | 15 | 0.8 | 3.9 | 31.0 | 16.0 | 24.5 | 27 | 0.8 |
| 0.56 | 18.0 | 10.0 | 15.5 | 15 | 0.8 | 4.0 | 31.0 | 16.0 | 25.0 | 27 | 0.8 |
| 0.68 | 18.0 | 11.0 | 16.0 | 15 | 0.8 | 4.7 | 31.0 | 17.5 | 26.5 | 27 | 0.8 |
| 0.82 | 18.0 | 12.0 | 17.5 | 15 | 0.8 | 2.0 | 35.0 | 10.5 | 18.0 | 31 | 0.8 |
| 0.47 | 23.0 | 7.0 | 14.5 | 20 | 0.8 | 2.2 | 35.0 | 10.5 | 19.5 | 31 | 0.8 |
| 0.56 | 23.0 | 7.5 | 15.0 | 20 | 0.8 | 2.7 | 35.0 | 11.5 | 20.5 | 31 | 0.8 |
| 0.68 | 23.0 | 8.0 | 15.0 | 20 | 0.8 | 3.0 | 35.0 | 13.0 | 20.0 | 31 | 0.8 |
| 0.82 | 23.0 | 9.0 | 16.0 | 20 | 0.8 | 3.3 | 35.0 | 13.5 | 20.5 | 31 | 0.8 |
| 1.00 | 23.0 | 9.5 | 18.0 | 20 | 0.8 | 3.9 | 35.0 | 15.0 | 22.5 | 31 | 0.8 |
| 1.20 | 23.0 | 11.0 | 18.0 | 20 | 0.8 | 4.0 | 35.0 | 15.0 | 22.5 | 31 | 0.8 |
| 1.50 | 23.0 | 12.0 | 19.5 | 20 | 0.8 | 4.7 | 35.0 | 15.5 | 24.5 | 31 | 0.8 |
| 1.80 | 23.0 | 13.5 | 20.5 | 20 | 0.8 | 5.0 | 35.0 | 15.5 | 26.0 | 31 | 0.8 |
| 2.00 | 23.0 | 13.5 | 22.0 | 20 | 0.8 | 5.6 | 35.0 | 17.0 | 26.0 | 31 | 0.8 |
| 2.20 | 23.0 | 15.5 | 22.0 | 20 | 0.8 | 6.0 | 35.0 | 17.5 | 26.5 | 31 | 0.8 |
| 0.68 | 25.0 | 8.5 | 14.5 | 22 | 0.8 | 6.8 | 35.0 | 19.0 | 27.5 | 31 | 1 |
| 0.82 | 25.0 | 8.5 | 16.0 | 22 | 0.8 | 7.0 | 35.0 | 19.0 | 27.0 | 31 | 1 |
| 1.00 | 25.0 | 10.5 | 16.0 | 22 | 0.8 | | | | | | |
| 1.20 | 25.0 | 10.5 | 17.5 | 22 | 0.8 | | | | | | |
| 1.50 | 25.0 | 11.5 | 19.0 | 22 | 0.8 | | | | | | |
| 1.80 | 25.0 | 13.0 | 20.0 | 22 | 0.8 | | | | | | |
| 2.00 | 25.0 | 13.0 | 22.0 | 22 | 0.8 | | | | | | |
| 2.20 | 25.0 | 13.5 | 22.0 | 22 | 0.8 | | | | | | |
| 0.68 | 29.5 | 7.0 | 14.0 | 26 | 0.8 | | | | | | |
| 0.82 | 29.5 | 7.5 | 15.0 | 26 | 0.8 | | | | | | |
| 1.0 | 29.5 | 9.0 | 14.5 | 26 | 0.8 | | | | | | |
| 1.2 | 29.5 | 10.0 | 15.0 | 26 | 0.8 | | | | | | |
| 1.5 | 29.5 | 10.0 | 17.0 | 26 | 0.8 | | | | | | |
| 1.8 | 29.5 | 10.5 | 19.5 | 26 | 0.8 | | | | | | |

外形尺寸 Dimensions (mm)

630VDC

| C _n (μF) | L | B | H | P | D | C _n (μF) | L | B | H | P | D |
|------------------------|------|------|------|----|-----|------------------------|----|------|------|----|-----|
| 0.010 | 13 | 6 | 11 | 10 | 0.6 | 1.8 | 31 | 16 | 23 | 27 | 0.8 |
| 0.012 | 13 | 6.5 | 11.5 | 10 | 0.6 | 2.0 | 31 | 16 | 24.5 | 27 | 0.8 |
| 0.015 | 13 | 7 | 12 | 10 | 0.6 | 2.2 | 31 | 17.5 | 25 | 27 | 0.8 |
| 0.018 | 13 | 7.5 | 13 | 10 | 0.6 | 2.7 | 31 | 18.5 | 27.5 | 27 | 0.8 |
| 0.022 | 13 | 8 | 13.5 | 10 | 0.6 | 3.0 | 31 | 20 | 29 | 27 | 0.8 |
| 0.10 | 18 | 6.5 | 12 | 15 | 0.8 | 1.0 | 35 | 10.5 | 18 | 31 | 0.8 |
| 0.12 | 18 | 7 | 12.5 | 15 | 0.8 | 1.2 | 35 | 11 | 20 | 31 | 0.8 |
| 0.15 | 18 | 8 | 13.5 | 15 | 0.8 | 1.5 | 35 | 13.5 | 19.5 | 31 | 0.8 |
| 0.18 | 18 | 8.5 | 14 | 15 | 0.8 | 1.8 | 35 | 13.5 | 22.5 | 31 | 0.8 |
| 0.22 | 18 | 9.5 | 15 | 15 | 0.8 | 2.0 | 35 | 14.5 | 23.5 | 31 | 0.8 |
| 0.27 | 18 | 9.5 | 16.5 | 15 | 0.8 | 2.2 | 35 | 14.5 | 25 | 31 | 0.8 |
| 0.30 | 18 | 11 | 16 | 15 | 0.8 | 2.7 | 35 | 17 | 26 | 31 | 0.8 |
| 0.33 | 18 | 11.5 | 16.5 | 15 | 0.8 | 3.0 | 35 | 18 | 27.5 | 31 | 0.8 |
| 0.39 | 18 | 12.5 | 17 | 15 | 0.8 | 3.3 | 35 | 19 | 27.5 | 31 | 0.8 |
| 0.22 | 23 | 7 | 13 | 20 | 0.8 | 3.9 | 35 | 20.5 | 29.5 | 31 | 1 |
| 0.27 | 23 | 8.0 | 13.5 | 20 | 0.8 | 4.0 | 35 | 21 | 30 | 31 | 1 |
| 0.30 | 23 | 8.5 | 14 | 20 | 0.8 | 4.7 | 35 | 23.5 | 31 | 31 | 0.8 |
| 0.33 | 23 | 8.5 | 15 | 20 | 0.8 | | | | | | |
| 0.39 | 23 | 8.5 | 16 | 20 | 0.8 | | | | | | |
| 0.47 | 23 | 9.5 | 16.5 | 20 | 0.8 | | | | | | |
| 0.56 | 23 | 10.5 | 17 | 20 | 0.8 | | | | | | |
| 0.68 | 23 | 11.5 | 18.5 | 20 | 0.8 | | | | | | |
| 0.82 | 23 | 12.5 | 19.5 | 20 | 0.8 | | | | | | |
| 1.00 | 23 | 14 | 21.5 | 20 | 0.8 | | | | | | |
| 0.33 | 25 | 8.5 | 14 | 22 | 0.8 | | | | | | |
| 0.39 | 25 | 9 | 15 | 22 | 0.8 | | | | | | |
| 0.47 | 25 | 9.5 | 16.5 | 22 | 0.8 | | | | | | |
| 0.56 | 25 | 10 | 17.5 | 22 | 0.8 | | | | | | |
| 0.56 | 25 | 11 | 18 | 22 | 0.8 | | | | | | |
| 0.82 | 25 | 12.5 | 19.5 | 22 | 0.8 | | | | | | |
| 1.00 | 25 | 13 | 21.5 | 22 | 0.8 | | | | | | |
| 1.20 | 25 | 15 | 22.5 | 22 | 0.8 | | | | | | |
| 1.50 | 25 | 16.5 | 24.5 | 22 | 0.8 | | | | | | |
| 0.82 | 29.5 | 11 | 18 | 26 | 0.8 | | | | | | |
| 1.0 | 29.5 | 10.5 | 21 | 26 | 0.8 | | | | | | |
| 1.2 | 29.5 | 12 | 22.0 | 26 | 0.8 | | | | | | |
| 1.5 | 29.5 | 13.5 | 24 | 26 | 0.8 | | | | | | |
| 1.8 | 29.5 | 15.5 | 24.5 | 26 | 0.8 | | | | | | |
| 2.0 | 29.5 | 17 | 24.5 | 26 | 0.8 | | | | | | |
| 2.2 | 29.5 | 16.5 | 27 | 26 | 0.8 | | | | | | |
| 1.0 | 31 | 10.5 | 21 | 27 | 0.8 | | | | | | |
| 1.2 | 31 | 13.5 | 19.5 | 27 | 0.8 | | | | | | |
| 1.5 | 31 | 14.5 | 21.5 | 27 | 0.8 | | | | | | |

外形尺寸 Dimensions (mm)

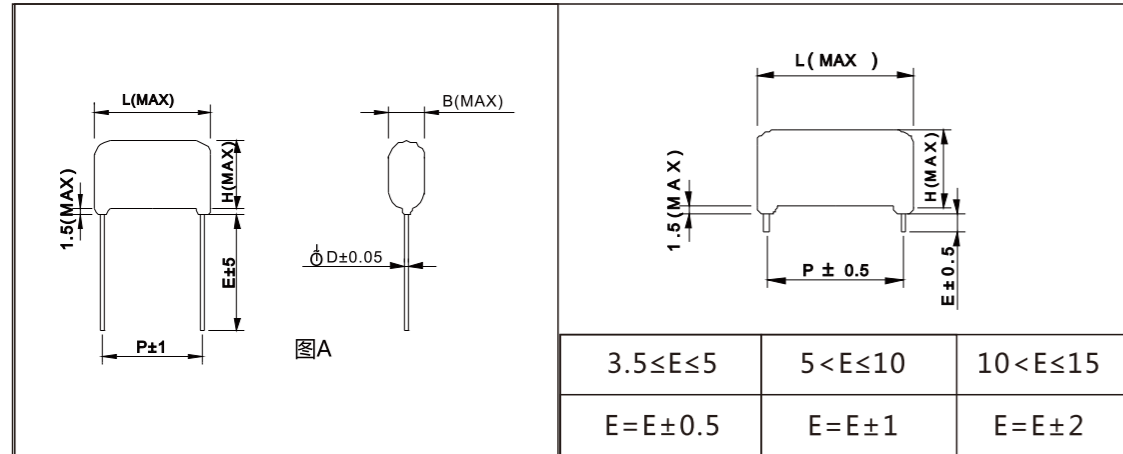
630VDC

| C _n (μF) | L | B | H | P | D | C _n (μF) | L | B | H | P | D |
|------------------------|------|------|------|----|-----|------------------------|------|------|------|----|-----|
| 0.01 | 18 | 6.5 | 12.0 | 15 | 0.8 | 3.9 | 29.5 | 16.5 | 24.0 | 26 | 0.8 |
| 0.12 | 18 | 7 | 12.5 | 15 | 0.8 | 4.0 | 29.5 | 17 | 24.0 | 26 | 0.8 |
| 0.15 | 18 | 7 | 11.5 | 15 | 0.8 | 4.7 | 29.5 | 17.5 | 26.5 | 26 | 0.8 |
| 0.18 | 18 | 8.5 | 14.0 | 15 | 0.8 | 1.8 | 31 | 10 | 17.0 | 27 | 0.8 |
| 0.22 | 18 | 9 | 15.0 | 15 | 0.8 | 2.0 | 31 | 11 | 20 | 27 | 0.8 |
| 0.27 | 18 | 10 | 16.0 | 15 | 0.8 | 2.2 | 31 | 12.5 | 19.5 | 27 | 0.8 |
| 0.30 | 18 | 7 | 12.5 | 15 | 0.8 | 2.7 | 31 | 13.5 | 21.0 | 27 | 0.8 |
| 0.33 | 18 | 7 | 14.0 | 15 | 0.8 | 3.0 | 31 | 13.6 | 22.5 | 27 | 0.8 |
| 0.39 | 18 | 8 | 15.0 | 15 | 0.8 | 3.3 | 31 | 14.5 | 23.5 | 27 | 0.8 |
| 0.47 | 18 | 9 | 14.5 | 15 | 0.8 | 2.0 | 35 | 10.5 | 17.5 | 31 | 0.8 |
| 0.56 | 18 | 9.5 | 16.0 | 15 | 0.8 | 2.2 | 35 | 11 | 18 | 31 | 0.8 |
| 0.68 | 18 | 11 | 16.0 | 15 | 0.8 | 2.7 | 35 | 12 | 19.5 | 31 | 0.8 |
| 0.33 | 23 | 7.5 | 13.0 | 20 | 0.8 | 3.0 | 35 | 14 | 19.5 | 31 | 0.8 |
| 0.39 | 23 | 7.5 | 14.5 | 20 | 0.8 | 3.3 | 35 | 13.5 | 21.0 | 31 | 0.8 |
| 0.47 | 23 | 7.5 | 13.5 | 20 | 0.8 | 3.9 | 35 | 15 | 22.0 | 31 | 0.8 |
| 0.56 | 23 | 8 | 14.0 | 20 | 0.8 | 4.0 | 35 | 15 | 22.0 | 31 | 0.8 |
| 0.68 | 23 | 9 | 14.5 | 20 | 0.8 | 4.7 | 35 | 16.5 | 23.5 | 31 | 0.8 |
| 0.82 | 23 | 9 | 16.5 | 20 | 0.8 | 5.0 | 35 | 16.5 | 26.0 | 31 | 0.8 |
| 1.00 | 23 | 10 | 17.0 | 20 | 0.8 | 5.6 | 35 | 18 | 25.0 | 31 | 0.8 |
| 1.20 | 23 | 11.5 | 18.0 | 20 | 0.8 | 6.0 | 35 | 18.5 | 25.5 | 31 | 0.8 |
| 1.50 | 23 | 12 | 19.5 | 20 | 0.8 | 6.8 | 35 | 19 | 28.0 | 31 | 0.8 |
| 1.80 | 23 | 12.5 | 21.5 | 20 | 0.8 | | | | | | |
| 2.00 | 23 | 13.5 | 22.0 | 20 | 0.8 | | | | | | |
| 2.20 | 23 | 15 | 22.0 | 20 | 0.8 | | | | | | |
| 0.68 | 25 | 8.5 | 14.0 | 22 | 0.8 | | | | | | |
| 0.82 | 25 | 9 | 15.0 | 22 | 0.8 | | | | | | |
| 1.0 | 25 | 9.5 | 17.0 | 22 | 0.8 | | | | | | |
| 1.20 | 25 | 10.5 | 18.0 | 22 | 0.8 | | | | | | |
| 1.50 | 25 | 11 | 20.0 | 22 | 0.8 | | | | | | |
| 1.80 | 25 | 12 | 21.0 | 22 | 0.8 | | | | | | |
| 2.00 | 25 | 13 | 22.0 | 22 | 0.8 | | | | | | |
| 2.20 | 25 | 13.5 | 22.5 | 22 | 0.8 | | | | | | |
| 0.68 | 29.5 | 7.5 | 13.5 | 26 | 0.8 | | | | | | |
| 0.82 | 29.5 | 8 | 14.0 | 26 | 0.8 | | | | | | |
| 1.0 | 29.5 | 9 | 14.5 | 26 | 0.8 | | | | | | |
| 1.2 | 29.5 | 10 | 15.5 | 26 | 0.8 | | | | | | |
| 1.5 | 29.5 | 10.5 | 17.5 | 26 | 0.8 | | | | | | |
| 1.8 | 29.5 | 11 | 18.0 | 26 | 0.8 | | | | | | |
| 2.0 | 29.5 | 12 | 19.0 | 26 | 0.8 | | | | | | |
| 2.2 | 29.5 | 12.5 | 19.5 | 26 | 0.8 | | | | | | |
| 2.7 | 29.5 | 13 | 22 | 26 | 0.8 | | | | | | |
| 3.0 | 29.5 | 14.5 | 21.5 | 26 | 0.8 | | | | | | |
| 3.3 | 29.5 | 15.5 | 22.5 | 26 | 0.8 | | | | | | |

高压金属化聚丙烯膜电容器

High-voltage metallized polypropylene film capacitor

外形图 Outline drawing



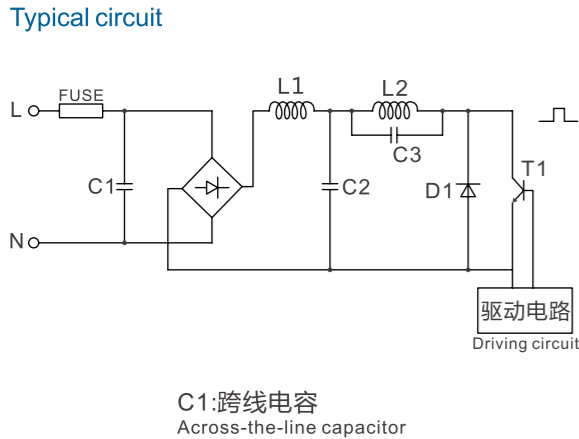
特点

- 金属化聚丙烯膜，卷绕结构
- 损耗小，内部升温小
- 负电容量温度系数
- 阻燃环氧粉末封装 (UL94/V-0)

主要用途

- 大屏幕显示器及彩电行逆程电路
- 适用于高脉冲，大电流电路
- 适用于电子镇流器

典型线路图



Features

- Metallized polypropylene film, wound construction
- Low loss and small inherent temperature rise
- Negative temperature coefficient of capacitance
- Flame retardant epoxy resin powder coating (UL94/V-0)

Typical application

- Horizontal resonance circuits of large screen monitor and colour TV
- Suitable for high pulse and high current loading circuit
- Suitable for electronic ballast



技术要求 Specifications

| | | | | | | | |
|---|---|-------------|------|------|--|--|--|
| 引用标准Reference Standard | GB/T 14579(IEC 60384-17) | | | | | | |
| 气候类别Climatic Category | 40/105/21 | | | | | | |
| 额定温度Rated Temperature | 85°C | | | | | | |
| 工作温度Operating Temperature | -40°C~105°C(+85°C to 105°C:decreasing factor 1.25% per °C for UR) | | | | | | |
| 额定电压Rated Voltage | 630V、800V、250V、1000V/1250V、1600V、2000V、2500V | | | | | | |
| 电容量范围Capacitance Range | 0.010μF~10μF | | | | | | |
| 电容量偏差Capacitance Tolerance | ±5% (J)、±10% (K)、±20% (M) | | | | | | |
| 耐电压Voltage Proof | 1.8UR(10S) | | | | | | |
| 最大脉冲爬升速度Maximum Pulse Rise Time(dV/dt):若实际工作电压U比额定电压UR低，电容器可工作在更高的Dv/dt场合，这样dV/dt允许值应为右表值乘以UR/U If the working voltage (U) is lower than the rated voltage (UR), the capacitor can be worked at a higher dV/dt. In this case, the maximum allowed dV/dt is obtain by multiplying the right value with UR/U | UR(V) | dV/dt(V/μs) | | | | | |
| | | P=15 | P=22 | P=31 | | | |
| | 1000/1200 | 20000 | | | | | |
| | 1600/2000 | 26000 | --- | --- | | | |



外形尺寸 Dimensions (mm)

| 1000VDC | | | | | | 1200VDC | | | | | |
|---------------------|----|------|------|------|-----|---------------------|------|------|------|------|-----|
| C _n (μF) | L | B | H | P | D | C _n (μF) | L | B | H | P | D |
| 0.033 | 18 | 8 | 13.5 | 15.0 | 0.8 | 0.015 | 18.0 | 7 | 13.0 | 15.0 | 0.8 |
| 0.039 | 18 | 8.5 | 14.0 | 15.0 | 0.8 | 0.018 | 18.0 | 7.5 | 13.5 | 15.0 | 0.8 |
| 0.047 | 18 | 9 | 15.0 | 15.0 | 0.8 | 0.022 | 18.0 | 8.5 | 14.0 | 15.0 | 0.8 |
| 0.056 | 18 | 10 | 15.5 | 15.0 | 0.8 | 0.027 | 18.0 | 9 | 15.0 | 15.0 | 0.8 |
| 0.068 | 18 | 11 | 16.5 | 15.0 | 0.8 | 0.030 | 18.0 | 9.5 | 15.0 | 15.0 | 0.8 |
| 0.082 | 18 | 11.5 | 17.5 | 15.0 | 0.8 | 0.033 | 18.0 | 10 | 15.5 | 15.0 | 0.8 |
| 0.056 | 26 | 8 | 13.5 | 22.5 | 0.8 | 0.047 | 26.0 | 9.5 | 15.0 | 22.5 | 0.8 |
| 0.068 | 26 | 8.5 | 14.5 | 22.5 | 0.8 | 0.056 | 26.0 | 10 | 15.5 | 22.5 | 0.8 |
| 0.082 | 26 | 9.5 | 15.0 | 22.5 | 0.8 | 0.068 | 26.0 | 11 | 16.5 | 22.5 | 0.8 |
| 0.10 | 26 | 10.5 | 16.0 | 22.5 | 0.8 | 0.082 | 26.0 | 12 | 17.5 | 22.5 | 0.8 |
| 0.12 | 26 | 11 | 17.0 | 22.5 | 0.8 | 0.10 | 26.0 | 12.5 | 19.5 | 22.5 | 0.8 |
| 0.15 | 26 | 12.5 | 18.0 | 22.5 | 0.8 | 0.12 | 26.0 | 13.5 | 20.5 | 22.5 | 0.8 |
| 0.18 | 26 | 13.5 | 19.0 | 22.5 | 0.8 | 0.15 | 26.0 | 15 | 22.0 | 22.5 | 0.8 |
| 0.22 | 26 | 15 | 20.5 | 22.5 | 0.8 | 0.18 | 26.0 | 16 | 23.5 | 22.5 | 0.8 |
| 0.27 | 26 | 16 | 22.0 | 22.5 | 0.8 | 0.10 | 30.0 | 10.5 | 18.0 | 27.5 | 0.8 |
| 0.30 | 26 | 17 | 23.0 | 22.5 | 0.8 | 0.12 | 30.0 | 11.5 | 18.5 | 27.5 | 0.8 |
| 0.10 | 30 | 9 | 14.5 | 27.5 | 0.8 | 0.15 | 30.0 | 13 | 20.5 | 27.5 | 0.8 |
| 0.12 | 30 | 10 | 15.5 | 27.5 | 0.8 | 0.18 | 30.0 | 14 | 21.0 | 27.5 | 0.8 |
| 0.15 | 30 | 11 | 16.5 | 27.5 | 0.8 | 0.22 | 30.0 | 15.5 | 22.5 | 27.5 | 0.8 |
| 0.18 | 30 | 11.5 | 17.5 | 27.5 | 1.0 | 0.27 | 30.0 | 17 | 24.5 | 27.5 | 0.8 |
| 0.22 | 30 | 13 | 18.5 | 27.5 | 1.0 | 0.30 | 30.0 | 18 | 25.5 | 27.5 | 0.8 |
| 0.27 | 30 | 13.5 | 20.5 | 27.5 | 1.0 | | | | | | |
| 0.30 | 30 | 14 | 21.5 | 27.5 | 1.0 | | | | | | |
| 0.33 | 30 | 14.5 | 22.0 | 27.5 | 1.0 | | | | | | |
| 0.39 | 30 | 16 | 23.0 | 27.5 | 1.0 | | | | | | |
| 0.47 | 30 | 17.5 | 25.0 | 27.5 | 1.0 | | | | | | |



外形尺寸 Dimensions (mm)

| 1600VDC | | | | | | 2000VDC | | | | | |
|---------------------|----|------|------|------|-----|---------------------|----|------|------|------|-----|
| C _n (μF) | L | B | H | P | D | C _n (μF) | L | B | H | P | D |
| 0.010 | 18 | 7.6 | 13.5 | 15.0 | 0.8 | 0.0068 | 18 | 8 | 13.5 | 15.0 | 0.8 |
| 0.012 | 18 | 8 | 14.0 | 15.0 | 0.8 | 0.0082 | 18 | 8.5 | 14.0 | 15.0 | 0.8 |
| 0.015 | 18 | 9 | 15.0 | 15.0 | 0.8 | 0.010 | 18 | 9.5 | 15.0 | 15.0 | 0.8 |
| 0.018 | 18 | 10 | 15.5 | 15.0 | 0.8 | 0.012 | 18 | 10 | 15.5 | 15.0 | 0.8 |
| 0.022 | 26 | 8 | 15.0 | 22.5 | 0.8 | 0.010 | 26 | 7 | 13.0 | 22.5 | 0.8 |
| 0.027 | 26 | 8.5 | 16.0 | 22.5 | 0.8 | 0.012 | 26 | 7.5 | 13.5 | 22.5 | 0.8 |
| 0.030 | 26 | 9 | 16.5 | 22.5 | 0.8 | 0.015 | 26 | 8.5 | 14.0 | 22.5 | 0.8 |
| 0.033 | 26 | 9.5 | 17.0 | 22.5 | 0.8 | 0.018 | 26 | 9 | 15.0 | 22.5 | 0.8 |
| 0.039 | 26 | 10.5 | 17.5 | 22.5 | 0.8 | 0.022 | 26 | 10 | 16.0 | 22.5 | 0.8 |
| 0.047 | 26 | 11 | 18.5 | 22.5 | 0.8 | 0.027 | 26 | 11 | 16.5 | 22.5 | 0.8 |
| 0.056 | 26 | 12.5 | 19.5 | 22.5 | 0.8 | 0.030 | 26 | 11.5 | 17.0 | 22.5 | 0.8 |
| 0.068 | 26 | 13.5 | 21.0 | 22.5 | 0.8 | 0.033 | 26 | 12 | 18.0 | 22.5 | 0.8 |
| 0.082 | 26 | 15 | 22.0 | 22.5 | 0.8 | 0.039 | 26 | 13 | 18.5 | 22.5 | 0.8 |
| 0.068 | 30 | 11.6 | 19.0 | 27.5 | 0.8 | 0.047 | 26 | 14.5 | 20.0 | 22.5 | 0.8 |
| 0.082 | 30 | 13 | 20.0 | 27.5 | 0.8 | 0.056 | 26 | 16 | 21.5 | 22.5 | 0.8 |
| 0.10 | 30 | 14 | 21.0 | 27.5 | 0.8 | 0.033 | 30 | 10.5 | 16.5 | 27.5 | 0.8 |
| 0.12 | 30 | 15.5 | 22.5 | 27.5 | 0.8 | 0.039 | 30 | 11.5 | 17.0 | 27.5 | 0.8 |
| 0.15 | 30 | 17 | 24.5 | 27.5 | 1.0 | 0.047 | 30 | 12.5 | 18.0 | 27.5 | 0.8 |
| 0.18 | 30 | 18.5 | 26.0 | 27.5 | 1.0 | 0.056 | 30 | 13.5 | 19.5 | 27.5 | 0.8 |
| | | | | | | 0.068 | 30 | 15 | 20.5 | 27.5 | 0.8 |
| | | | | | | 0.082 | 30 | 15.5 | 23.0 | 27.5 | 0.8 |
| | | | | | | 0.10 | 30 | 17.5 | 24.5 | 27.5 | 0.8 |
| | | | | | | 0.12 | 30 | 19 | 26.5 | 27.5 | 0.8 |



外形尺寸 Dimensions (mm)

| 1000VDC | | | | | | 1200VDC | | | | | |
|---------------------|----|------|------|------|-----|---------------------|------|------|------|------|-----|
| C _n (μF) | L | B | H | P | D | C _n (μF) | L | B | H | P | D |
| 0.0033 | 19 | 6 | 11.5 | 15.0 | 0.8 | 0.0022 | 19.0 | 6.5 | 12.5 | 15.0 | 0.8 |
| 0.0039 | 19 | 7 | 13.0 | 15.0 | 0.8 | 0.0027 | 19.0 | 6.5 | 12.5 | 15.0 | 0.8 |
| 0.0047 | 19 | 8 | 13.0 | 15.0 | 0.8 | 0.0030 | 19.0 | 7.5 | 12.5 | 15.0 | 0.8 |
| 0.0056 | 19 | 8.5 | 13.5 | 15.0 | 0.8 | 0.0033 | 19.0 | 7.5 | 13.5 | 15.0 | 0.8 |
| 0.0068 | 19 | 9 | 14.5 | 15.0 | 0.8 | 0.0039 | 19.0 | 8 | 13.5 | 15.0 | 0.8 |
| 0.0082 | 19 | 7.5 | 13.0 | 15.0 | 0.8 | 0.0047 | 19.0 | 9 | 14.0 | 15.0 | 0.8 |
| 0.010 | 19 | 8 | 13.0 | 15.0 | 0.8 | 0.0056 | 19.0 | 9.5 | 15.0 | 15.0 | 0.8 |
| 0.012 | 19 | 8.5 | 13.5 | 15.0 | 0.8 | 0.0068 | 19.0 | 9 | 14.5 | 15.0 | 0.8 |
| 0.015 | 19 | 9 | 14.5 | 15.0 | 0.8 | 0.0082 | 19.0 | 7.5 | 12.5 | 15.0 | 0.8 |
| 0.018 | 19 | 9 | 14.5 | 15.0 | 0.8 | 0.010 | 19.0 | 7.5 | 13.5 | 15.0 | 0.8 |
| 0.022 | 19 | 11 | 16.5 | 15.0 | 0.8 | 0.012 | 19.0 | 8.5 | 13.5 | 15.0 | 0.8 |
| 0.022 | 26 | 8 | 13.5 | 22.0 | 0.8 | 0.015 | 19.0 | 9 | 14.5 | 15.0 | 0.8 |
| 0.027 | 26 | 8.5 | 14.0 | 22.0 | 0.8 | 0.018 | 19.0 | 10 | 15.0 | 15.0 | 0.8 |
| 0.030 | 26 | 9 | 14.5 | 22.0 | 0.8 | 0.010 | 26.0 | 10 | 15.0 | 22.0 | 0.8 |
| 0.033 | 26 | 9.5 | 14.5 | 22.0 | 0.8 | 0.012 | 26.0 | 7.5 | 13.0 | 22.0 | 0.8 |
| 0.039 | 26 | 10 | 15.5 | 22.0 | 0.8 | 0.015 | 26.0 | 8.5 | 14.0 | 22.0 | 0.8 |
| 0.047 | 26 | 9 | 17.5 | 22.0 | 1.0 | 0.018 | 26.0 | 9 | 14.5 | 22.0 | 0.8 |
| 0.056 | 26 | 10 | 20.5 | 22.0 | 0.8 | 0.022 | 26.0 | 8 | 13.5 | 22.0 | 1.0 |
| 0.068 | 26 | 10 | 19.5 | 22.0 | 1.0 | 0.027 | 26.0 | 8.5 | 14.0 | 22.0 | 0.8 |
| 0.082 | 26 | 13.5 | 20.0 | 22.0 | 1.0 | 0.030 | 26.0 | 9 | 14.5 | 22.0 | 0.8 |
| 0.10 | 26 | 13.5 | 23.0 | 22.0 | 1.0 | 0.033 | 26.0 | 9 | 16.0 | 22.0 | 0.8 |
| 0.10 | 34 | 8.5 | 15.5 | 31.0 | 1.0 | 0.047 | 26.0 | 10.5 | 17.0 | 22.0 | 0.8 |
| 0.12 | 34 | 10 | 16.5 | 31.0 | 1.0 | 0.056 | 26.0 | 11 | 18.0 | 22.0 | 0.8 |
| 0.15 | 34 | 11 | 17.5 | 31.0 | 1.0 | 0.068 | 26.0 | 12.5 | 19.0 | 22.0 | 0.8 |
| 0.18 | 34 | 12 | 18.5 | 31.0 | 1.0 | 0.082 | 26.0 | 13.5 | 20.5 | 22.0 | 1.0 |
| 0.22 | 34 | 12.5 | 19.5 | 31.0 | 1.0 | 0.10 | 26.0 | 14 | 22.5 | 22.0 | 1.0 |
| 0.27 | 34 | 14.5 | 21.0 | 31.0 | 1.0 | 0.10 | 34.0 | 9 | 16.0 | 31.0 | 1.0 |
| 0.30 | 34 | 15 | 22.0 | 31.0 | 1.0 | 0.12 | 34.0 | 10 | 16.5 | 31.0 | 1.0 |
| 0.33 | 34 | 16 | 23.0 | 31.0 | 1.0 | 0.15 | 34.0 | 11 | 17.5 | 31.0 | 1.0 |
| 0.39 | 34 | 17.5 | 24.0 | 31.0 | 1.0 | 0.18 | 34.0 | 12 | 19.0 | 31.0 | 1.0 |
| 0.47 | 34 | 17.5 | 27.5 | 31.0 | 1.0 | 0.22 | 34.0 | 13 | 20.0 | 31.0 | 1.0 |
| | | | | | | 0.27 | 34.0 | 14.5 | 21.5 | 31.0 | 1.0 |
| | | | | | | 0.30 | 34.0 | 13.5 | 24.0 | 31.0 | 1.0 |
| | | | | | | 0.33 | 34.0 | 16 | 23.0 | 31.0 | 1.0 |
| | | | | | | 0.39 | 34.0 | 17.5 | 24.0 | 31.0 | 1.0 |
| | | | | | | 0.47 | 34.0 | 17 | 27.5 | 31.0 | 1.0 |

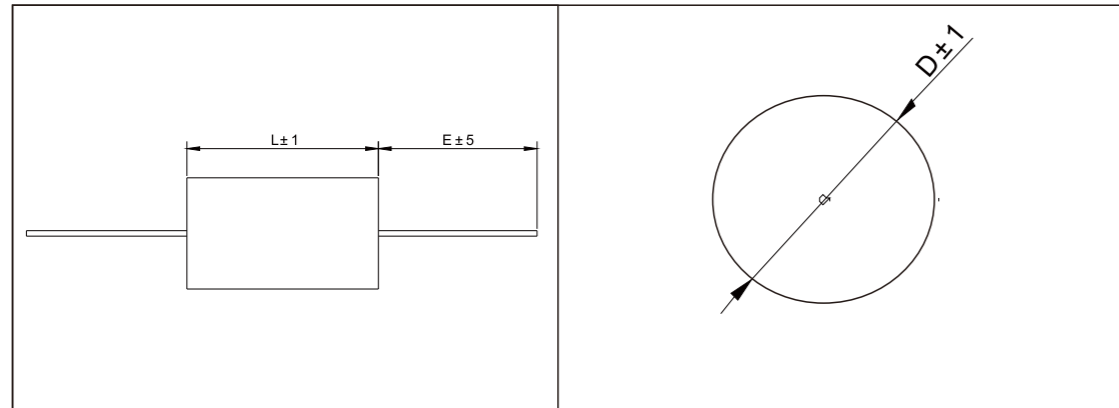
外形尺寸 Dimensions (mm)

| 1600VDC | | | | | | 2000VDC | | | | | |
|---------------------|----|------|------|------|-----|---------------------|------|------|------|------|-----|
| C _n (μF) | L | B | H | P | D | C _n (μF) | L | B | H | P | D |
| 0.0033 | 19 | 7 | 13.0 | 15.0 | 0.8 | 0.0039 | 19.0 | 7 | 12.5 | 15.0 | 0.8 |
| 0.0039 | 19 | 7 | 12.5 | 15.0 | 0.8 | 0.0047 | 19.0 | 6.5 | 12.5 | 15.0 | 0.8 |
| 0.0047 | 19 | 7.5 | 13.0 | 15.0 | 0.8 | 0.0056 | 19.0 | 7 | 12.5 | 15.0 | 0.8 |
| 0.0056 | 19 | 7 | 12.5 | 15.0 | 0.8 | 0.0068 | 19.0 | 7.5 | 13.0 | 15.0 | 0.8 |
| 0.0068 | 19 | 7.5 | 13.5 | 15.0 | 0.8 | 0.0082 | 19.0 | 8 | 13.5 | 15.0 | 0.8 |
| 0.0082 | 19 | 7.5 | 13.0 | 15.0 | 0.8 | 0.0082 | 26 | 8.5 | 13.5 | 22.0 | 0.8 |
| 0.0100 | 19 | 7.5 | 13.0 | 15.0 | 0.8 | 0.0082 | 26 | 9 | 14.0 | 22.0 | 0.8 |
| 0.0120 | 19 | 8.5 | 14.0 | 15.0 | 0.8 | 0.010 | 26 | 7 | 13.0 | 22.0 | 0.8 |
| 0.0150 | 19 | 9.5 | 15.0 | 15.0 | 0.8 | 0.012 | 26 | 7.5 | 13.0 | 22.0 | 0.8 |
| 0.0180 | 19 | 9.5 | 16.0 | 15.0 | 0.8 | 0.015 | 26 | 9 | 14.5 | 22.0 | 0.8 |
| 0.0220 | 19 | 11 | 16.5 | 15.0 | 0.8 | 0.018 | 26 | 9 | 14.0 | 22.0 | 0.8 |
| 0.0270 | 19 | 12 | 17.5 | 15.0 | 0.8 | 0.022 | 26 | 10 | 15.0 | 22.0 | 1.0 |
| 0.010 | 26 | 7 | 11.5 | 22.0 | 0.8 | 0.027 | 26 | 11 | 16.0 | 22.0 | 0.8 |
| 0.012 | 26 | 8.5 | 13.5 | 22.0 | 0.8 | 0.030 | 26 | 11.5 | 16.5 | 22.0 | 0.8 |
| 0.015 | 26 | 9 | 14.5 | 22.0 | 0.8 | 0.033 | 26 | 9.5 | 14.5 | 22.0 | 0.8 |
| 0.018 | 26 | 10 | 15.0 | 22.0 | 0.8 | 0.039 | 26 | 13 | 18.0 | 22.0 | 0.8 |
| 0.022 | 26 | 9.5 | 18.0 | 22.0 | 0.8 | 0.047 | 26 | 11 | 16.5 | 22.0 | 0.8 |
| 0.027 | 26 | 8.5 | 14.0 | 22.0 | 0.8 | 0.10 | 34 | 11 | 19.0 | 31.0 | 1.0 |
| 0.030 | 26 | 9 | 14.5 | 22.0 | 0.8 | 0.12 | 34 | 12.5 | 19.5 | 31.0 | 1.0 |
| 0.033 | 26 | 9.5 | 14.5 | 22.0 | 0.8 | 0.15 | 34 | 14 | 21.0 | 31.0 | 1.0 |
| 0.039 | 26 | 10 | 10.5 | 22.0 | 0.8 | 0.18 | 34 | 15.5 | 22.0 | 31.0 | 1.0 |
| 0.047 | 34 | 10.5 | 17.0 | 22.0 | 0.8 | 0.22 | 34 | 16.5 | 24.5 | 31.0 | 1.0 |
| 0.056 | 26 | 11 | 18.0 | 22.0 | 0.8 | 0.27 | 34 | 18.5 | 22.5 | 31.0 | 1.0 |
| 0.068 | 26 | 12.5 | 19.0 | 22.0 | 0.8 | 0.30 | 34 | 20 | 26.5 | 31.0 | 1.0 |
| 0.082 | 26 | 12.5 | 21.0 | 22.0 | 1.0 | 0.33 | 34 | 20 | 28.5 | 31.0 | 1.0 |
| 0.10 | 26 | 14 | 22.5 | 22.0 | 1.0 | | | | | | |
| 0.12 | 26 | 15.5 | 24.0 | 22.0 | 1.0 | | | | | | |
| 0.10 | 34 | 11 | 19.0 | 31.0 | 1.0 | | | | | | |
| 0.12 | 34 | 12.5 | 19.5 | 31.0 | 1.0 | | | | | | |
| 0.15 | 34 | 13 | 21.0 | 31.0 | 1.0 | | | | | | |
| 0.18 | 34 | 15.5 | 22.0 | 31.0 | 1.0 | | | | | | |
| 0.22 | 34 | 16 | 24.5 | 31.0 | 1.0 | | | | | | |
| 0.27 | 34 | 18.5 | 25.5 | 31.0 | 1.0 | | | | | | |
| 0.30 | 34 | 22 | 26.5 | 31.0 | 1.0 | | | | | | |

轴向金属化聚丙烯膜电容器

Metallized polypropylene film capacitor(Axialtype)

外形图 Outline drawing



特点

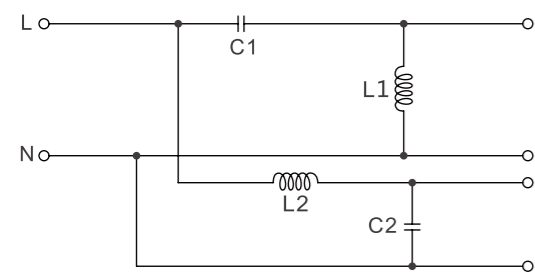
金属化聚丙烯，无感卷绕结构，轴向
自愈性能优异
外包聚酯胶带纸，两端灌注阻燃性环氧树脂

主要用途

温度补偿电路
定时、振荡电路
功率因素校正，开关电源耦合用

典型线路图

Typical circuit



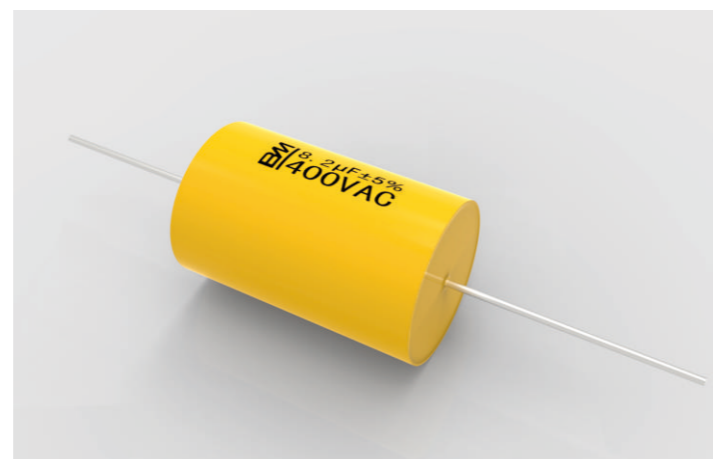
C1,C2:分频电容
Audio frequency division capacitor

Features

Metalized Polypropylene film, non-inductive type, axial
Excellent self-healing property
Wrapped with polyester adhesive tape and ends filled with Flame Retardant epoxy resin

Typical application

Temperature compensation circuits
Timing oscillator circuits
Power factor correction and coupling capacitor in SMPS application



技术要求 Specifications

| | | | | | | | | |
|---|---|-------------|--------|--------|--------|------|--------|-----------|
| 引用标准Reference Standard | GB/T 14579(IEC 60384-17) | | | | | | | |
| 气候类别Climatic Category | 40/85/21 | | | | | | | |
| 额定温度Rated Temperature | 85°C | | | | | | | |
| 额定电压Rated Voltage | 100V、160V、250V、400V、630V、1000V、1250V | | | | | | | |
| 电容量范围Capacitance Range | 0.010μF~47μF | | | | | | | |
| 电容量偏差Capacitance Tolerance | ±5% (J)、±10% (K)、±20% (M) | | | | | | | |
| 耐电压Voltage Proof | 1.8UR(10S) | | | | | | | |
| 损耗角正切Dissipation Factor | $\leq 10 \times 10^{-4}$ (1KHz, 20°C) | | | | | | | |
| 绝缘电阻Insulation Resistance | $\geq 100000 \text{M}\Omega, C_R \leq 0.33\mu\text{F}$ $\geq 30000 \text{s}, C_R > 0.33\mu\text{F}$ (20°C, 100V, 1min) | | | | | | | |
| 最大脉冲爬升速度Maximum Pulse Rise Time(dV/dt):若实际工作电压U比额定电压UR低, 电容器可工作在更高的Dv/dt场合, 这样dV/dt允许值应为右表值乘以UR/U If the working voltage (U) is lower than the rated voltage (UR), the capacitor can be worked at a higher dV/dt. In this case, the maximum allowed dV/dt is obtain by multiplying the right value with UR/U | UR(V) | dV/dt(V/μs) | | | | | | |
| | | L=12.0 | L=14.5 | L=20.0 | L=27.5 | L=33 | L=41.5 | L=56 5 |
| | 100/160 | 150 | 110 | 80 | 60 | 50 | 35 | 20 |
| | 250 | 300 | 220 | 150 | 110 | 90 | 60 | 30 |
| | 400 | 460 | 330 | 250 | 180 | 120 | 80 | 45 |
| | 630 | 600 | 440 | 300 | 220 | 150 | 100 | 60 |
| 1000 | 800 | 550 | 400 | 300 | 200 | 150 | 80 | |
| 1250 | 1000 | 750 | 580 | 400 | 300 | 200 | 100 | |

外形尺寸 Dimensions (mm)

| 250VDC | | | | 250VDC | | | |
|------------------------|----|------|-----|------------------------|----|------|-----|
| C _n (μF) | L | D | d | C _n (μF) | L | D | d |
| 1.0 | 19 | 11.5 | 0.8 | 6.8 | 46 | 15.0 | 0.8 |
| 1.2 | 19 | 12.5 | 0.8 | 7 | 46 | 15.0 | 0.8 |
| 1.5 | 19 | 13.5 | 0.8 | 8.2 | 46 | 16.0 | 0.8 |
| 1.8 | 19 | 15.0 | 0.8 | 10 | 46 | 18.0 | 1.0 |
| 1.5 | 25 | 11.5 | 0.8 | 12 | 46 | 19.5 | 1.0 |
| 1.8 | 25 | 12.5 | 0.8 | 15 | 46 | 21.5 | 1.0 |
| 2.0 | 25 | 13.0 | 0.8 | 18 | 46 | 23.5 | 1.0 |
| 2.2 | 25 | 16.5 | 0.8 | 20 | 46 | 25.0 | 1.0 |
| 2.7 | 25 | 15.0 | 0.8 | 22 | 46 | 26.0 | 1.0 |
| 3.0 | 25 | 15.5 | 0.8 | 25 | 46 | 27.5 | 1.0 |
| 3.3 | 25 | 16.0 | 0.8 | 30 | 46 | 30.0 | 1.0 |
| 3.9 | 25 | 17.5 | 0.8 | 33 | 46 | 31.5 | 1.0 |
| 4.0 | 25 | 17.5 | 0.8 | 40 | 46 | 34.5 | 1.0 |
| 2.0 | 31 | 11.0 | 0.8 | 47 | 46 | 37.5 | 1.0 |
| 2.2 | 31 | 11.5 | 0.8 | 10 | 47 | 18.0 | 1.0 |
| 2.7 | 31 | 12.5 | 0.8 | 12 | 47 | 19.5 | 1.0 |
| 3.0 | 31 | 13.0 | 0.8 | 15 | 47 | 21.5 | 1.0 |
| 3.3 | 31 | 14.0 | 0.8 | 18 | 47 | 24.0 | 1.0 |
| 3.9 | 31 | 15.0 | 0.8 | 20 | 47 | 25.0 | 1.0 |
| 4.0 | 31 | 15.0 | 0.8 | 22 | 47 | 26.0 | 1.0 |
| 4.7 | 31 | 16.0 | 0.8 | 25 | 47 | 27.5 | 1.0 |
| 5.0 | 31 | 16.5 | 0.8 | 30 | 47 | 30.0 | 1.0 |
| 5.6 | 31 | 17.5 | 0.8 | 33 | 47 | 31.5 | 1.0 |
| 6.0 | 31 | 18.0 | 0.8 | | | | |
| 6.8 | 31 | 19.0 | 0.8 | | | | |
| 7.0 | 31 | 19.5 | 0.8 | | | | |
| 8.2 | 31 | 21.5 | 0.8 | | | | |
| 10.0 | 31 | 23.0 | 0.8 | | | | |
| 3.0 | 36 | 12.0 | 0.8 | | | | |
| 3.3 | 36 | 12.5 | 0.8 | | | | |
| 3.9 | 36 | 13.5 | 0.8 | | | | |
| 4.0 | 36 | 13.5 | 0.8 | | | | |
| 4.7 | 36 | 14.5 | 0.8 | | | | |
| 5.0 | 36 | 15.0 | 0.8 | | | | |
| 5.6 | 36 | 16.0 | 0.8 | | | | |
| 6.0 | 36 | 16.5 | 0.8 | | | | |
| 6.8 | 36 | 17.5 | 0.8 | | | | |
| 7.0 | 36 | 18.0 | 0.8 | | | | |
| 8.2 | 36 | 19.0 | 0.8 | | | | |
| 10.0 | 36 | 21.0 | 0.8 | | | | |
| 12.0 | 36 | 22.5 | 0.8 | | | | |
| 15.0 | 36 | 25.5 | 1.0 | | | | |
| 6 | 36 | 14.0 | 0.8 | | | | |

外形尺寸 Dimensions (mm)

| 400VDC | | | | 630VDC | | | |
|------------------------|----|------|-----|------------------------|----|------|-----|
| C _n (μF) | L | D | d | C _n (μF) | L | D | d |
| 0.47 | 19 | 11.5 | 0.8 | 0.39 | 25 | 11.0 | 0.8 |
| 0.56 | 19 | 13.0 | 0.8 | 0.47 | 25 | 11.5 | 0.8 |
| 0.68 | 19 | 12.0 | 0.8 | 0.56 | 25 | 12.0 | 0.8 |
| 0.82 | 19 | 13.0 | 0.8 | 0.68 | 25 | 13.0 | 0.8 |
| 1 | 19 | 14.0 | 1.0 | 0.82 | 25 | 14.5 | 0.8 |
| 1 | 25 | 12.0 | 0.8 | 1 | 25 | 15.5 | 0.8 |
| 1.2 | 25 | 12.5 | 0.8 | 1.2 | 25 | 17.0 | 0.8 |
| 1.5 | 25 | 14.0 | 0.8 | 2.2 | 36 | 18.0 | 0.8 |
| 1.8 | 25 | 15.0 | 0.8 | 2.7 | 36 | 19.5 | 0.8 |
| 2.2 | 25 | 16.5 | 1.0 | 3 | 36 | 20.5 | 0.8 |
| 2.7 | 25 | 18.5 | 0.8 | 3.3 | 36 | 21.5 | 0.8 |
| 3 | 25 | 19.0 | 0.8 | 3.9 | 36 | 23.5 | 0.8 |
| 3.3 | 25 | 20.0 | 1.0 | 4 | 36 | 23.5 | 0.8 |
| 3.3 | 31 | 17.0 | 0.8 | 4.7 | 36 | 25.5 | 0.8 |
| 3.9 | 31 | 18.5 | 0.8 | 6.8 | 46 | 25.5 | 1.0 |
| 4 | 31 | 18.5 | 0.8 | 7 | 46 | 26.0 | 1.0 |
| 4.7 | 31 | 20.0 | 1.0 | 8.2 | 46 | 28.5 | 1.0 |
| 5 | 31 | 20.5 | 1.0 | 10 | 46 | 31.0 | 1.0 |
| 5.6 | 31 | 26.0 | 0.8 | 12 | 46 | 34.0 | 1.0 |
| 6 | 31 | 22.5 | 0.8 | 15 | 46 | 44.0 | 1.5 |
| 6.8 | 31 | 24.0 | 0.8 | | | | |
| 7 | 31 | 24.5 | 0.8 | | | | |
| 8.2 | 31 | 26.0 | 1.0 | | | | |
| 3.9 | 36 | 17.0 | 0.8 | | | | |
| 4 | 36 | 17.0 | 0.8 | | | | |
| 4.7 | 36 | 18.0 | 0.8 | | | | |
| 5 | 36 | 19.0 | 0.8 | | | | |
| 5.6 | 36 | 20.0 | 0.8 | | | | |
| 6 | 36 | 20.5 | 0.8 | | | | |
| 6.8 | 36 | 21.5 | 0.8 | | | | |
| 7 | 36 | 22.0 | 0.8 | | | | |
| 8.2 | 36 | 23.5 | 1.0 | | | | |
| 10 | 36 | 26.0 | 1.0 | | | | |
| 12 | 36 | 28.0 | 1.0 | | | | |
| 12 | 46 | 24.0 | 1.0 | | | | |
| 15 | 46 | 27.0 | 1.0 | | | | |
| 18 | 46 | 29.5 | 1.0 | | | | |
| 20 | 46 | 31.0 | 1.0 | | | | |
| 22 | 46 | 32.5 | 1.0 | | | | |
| 12 | 47 | 24.5 | 1.0 | | | | |
| 15 | 47 | 27.0 | 1.0 | | | | |
| 18 | 47 | 30.0 | 1.0 | | | | |
| 20 | 47 | 31.5 | 1.2 | | | | |
| 22 | 47 | 32.5 | 1.2 | | | | |

外形尺寸 Dimensions (mm)

| 250VDC | | | |
|------------------------|----|------|-----|
| C _n (μF) | L | D | d |
| 1 | 31 | 11.5 | 0.8 |
| 1.2 | 31 | 11.0 | 0.8 |
| 1.5 | 31 | 12.0 | 0.8 |
| 1.8 | 31 | 13.0 | 0.8 |
| 2 | 31 | 13.5 | 0.8 |
| 2.2 | 31 | 14.5 | 0.8 |
| 2.7 | 31 | 15.5 | 0.8 |
| 3 | 31 | 16.0 | 0.8 |
| 3.3 | 31 | 17.0 | 0.8 |
| 3.9 | 31 | 18.5 | 0.8 |
| 4 | 31 | 18.5 | 0.8 |
| 4.7 | 31 | 20.0 | 0.8 |
| 5 | 31 | 21.0 | 0.8 |
| 5.6 | 31 | 22.0 | 0.8 |
| 5.6 | 36 | 19.5 | 0.8 |
| 6 | 36 | 20.5 | 0.8 |
| 6.8 | 36 | 21.5 | 0.8 |
| 7 | 36 | 22.0 | 0.8 |
| 8.2 | 36 | 23.5 | 1.0 |
| 4.7 | 46 | 15.5 | 0.8 |
| 5 | 46 | 16.0 | 0.8 |
| 5.6 | 46 | 17.0 | 0.8 |
| 6 | 46 | 17.5 | 0.8 |
| 6.8 | 46 | 18.5 | 0.8 |
| 7 | 46 | 19.0 | 0.8 |
| 8.2 | 46 | 20.5 | 1.0 |
| 10 | 46 | 22.0 | 1.0 |
| 12 | 46 | 24.0 | 1.0 |
| 15 | 46 | 27.0 | 1.0 |
| 20 | 56 | 33.0 | 1.0 |

| 275VAC | | | |
|------------------------|----|------|-----|
| C _n (μF) | L | D | d |
| 15 | 46 | 27.0 | 1.0 |
| 10 | 56 | 20.0 | 1.0 |
| 15 | 56 | 24.0 | 1.0 |
| 20 | 56 | 27.5 | 1.0 |
| 40 | 60 | 38.5 | 1.0 |

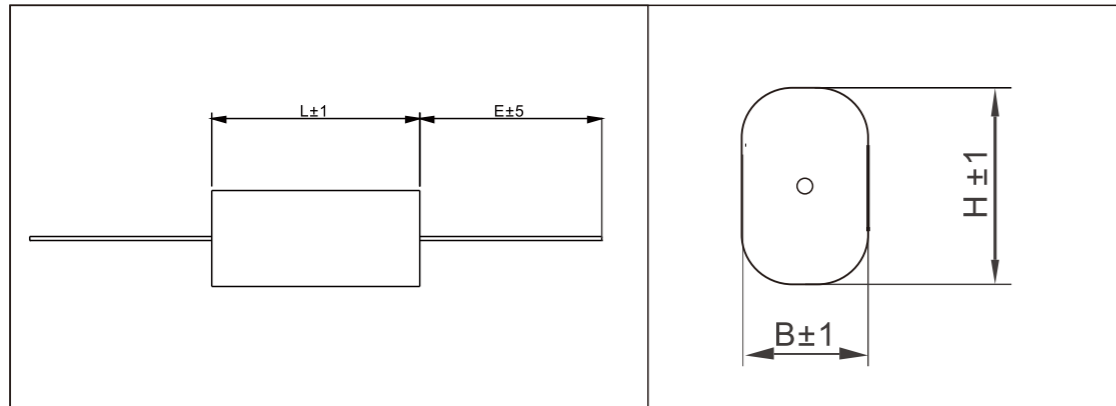
| 250VDC | | | | |
|------------------------|----|------|------|-----|
| C _n (μF) | L | B | H | D |
| 1.2 | 25 | 7.0 | 12.0 | 0.8 |
| 1.5 | 25 | 8.5 | 13.0 | 0.8 |
| 1.8 | 25 | 8.5 | 15.0 | 0.8 |
| 2 | 25 | 9.0 | 15.5 | 0.8 |
| 2.2 | 25 | 9.5 | 16.0 | 0.8 |
| 2.7 | 25 | 11.0 | 17.0 | 0.8 |
| 1.8 | 31 | 7.0 | 13.0 | 0.8 |
| 2 | 31 | 8.0 | 12.5 | 0.8 |
| 2.2 | 31 | 8.5 | 13.0 | 0.8 |
| 2.7 | 31 | 9.0 | 15.0 | 0.8 |
| 3 | 31 | 9.5 | 15.5 | 0.8 |
| 3.3 | 31 | 9.5 | 17.0 | 0.8 |
| 3.9 | 31 | 11.0 | 17.5 | 0.8 |
| 4 | 31 | 10.5 | 18.5 | 0.8 |
| 4.7 | 31 | 12.0 | 18.5 | 0.8 |
| 5 | 31 | 13.0 | 19.0 | 0.8 |
| 5.6 | 31 | 13.5 | 20.0 | 0.8 |
| 6 | 31 | 11.5 | 24.0 | 0.8 |
| 6.8 | 31 | 15.5 | 21.5 | 0.8 |
| 3 | 36 | 8.5 | 14.5 | 0.8 |
| 3.3 | 36 | 8.5 | 15.0 | 0.8 |
| 3.9 | 36 | 9.5 | 16.0 | 0.8 |
| 4 | 36 | 10.0 | 16.0 | 0.8 |
| 4.7 | 36 | 11.0 | 17.0 | 0.8 |
| 5 | 36 | 12.5 | 17.5 | 0.8 |

| 400VDC | | | | |
|------------------------|----|------|------|-----|
| C _n (μF) | L | B | H | D |
| 0.82 | 25 | 7.5 | 12.5 | 0.8 |
| 1 | 25 | 8.5 | 13.5 | 0.8 |
| 1.2 | 25 | 9.5 | 14.5 | 0.8 |
| 1.5 | 25 | 11.0 | 15.5 | 0.8 |
| 1.8 | 25 | 12.0 | 17.0 | 0.8 |
| 1 | 31 | 7.0 | 11.5 | 0.8 |
| 1.2 | 31 | 8.0 | 12.5 | 0.8 |
| 1.5 | 31 | 8.0 | 14.5 | 0.8 |
| 1.8 | 31 | 9.0 | 15.5 | 0.8 |
| 2 | 31 | 10.0 | 16.0 | 0.8 |
| 2.2 | 31 | 10.5 | 16.5 | 0.8 |
| 2.7 | 31 | 11.5 | 18.0 | 0.8 |
| 3 | 31 | 12.5 | 18.0 | 0.8 |
| 3.3 | 31 | 13.0 | 19.5 | 0.8 |
| 3.9 | 31 | 14.5 | 21.0 | 0.8 |
| 4 | 31 | 15.0 | 21.0 | 0.8 |
| 1.8 | 36 | 8.0 | 14.0 | 0.8 |
| 2 | 36 | 8.5 | 15.0 | 0.8 |
| 2.2 | 36 | 9.0 | 15.5 | 0.8 |
| 2.7 | 36 | 10.0 | 16.5 | 0.8 |
| 3 | 36 | 11.0 | 17.0 | 0.8 |
| 3.3 | 36 | 11.5 | 18.0 | 0.8 |
| 3.9 | 36 | 13.0 | 19.0 | 0.8 |
| 4 | 36 | 13.0 | 19.0 | 0.8 |
| 4.7 | 36 | 14.0 | 20.5 | 0.8 |
| 5 | 36 | 14.0 | 22.0 | 0.8 |
| 5.6 | 36 | 16.0 | 22.0 | 0.8 |
| 6 | 36 | 16.5 | 22.5 | 0.8 |
| 6.8 | 36 | 16.0 | 25.5 | 1 |

| 630VDC | | | | |
|------------------------|----|------|------|-----|
| C _n (μF) | L | B | H | D |
| 0.33 | 25 | 6.5 | 11.5 | 0.8 |
| 0.39 | 25 | 7.5 | 12 | 0.8 |
| 0.47 | 25 | 8.5 | 13 | 0.8 |
| 0.56 | 25 | 9 | 14 | 0.8 |
| 0.68 | 25 | 10.5 | 15 | 0.8 |
| 0.82 | 25 | 11.2 | 16 | 0.8 |
| 1 | 25 | 13 | 17.5 | 0.8 |
| 0.68 | 31 | 8.5 | 13.5 | 0.8 |
| 0.82 | 31 | 9.5 | 14.5 | 0.8 |
| 1 | 31 | 11 | 15.5 | 0.8 |
| 1.2 | 31 | 12 | 16.5 | 0.8 |
| 1.5 | 31 | 13 | 19 | 0.8 |
| 1.8 | 31 | 14 | 20.5 | 0.8 |
| 2 | 31 | 15 | 21.5 | 0.8 |
| 0.82 | 36 | 7.5 | 14 | 0.8 |
| 1 | 36 | 8.5 | 15 | 0.8 |
| 1.2 | 36 | 9.5 | 16 | 0.8 |
| 1.5 | 36 | 11 | 17.5 | 0.8 |
| 1.8 | 36 | 12.5 | 18.5 | 0.8 |
| 2 | 36 | 13 | 19.5 | 0.8 |
| 2.2 | 36 | 14 | 20 | 0.8 |
| 2.7 | 36 | 15.5 | 22 | 0.8 |
| 3 | 36 | 16.5 | 23 | 0.8 |

轴向金属化聚丙烯膜电容器 Metallized polypropylene film capacitor(Axial type)

外形图 Outline drawing



特点

金属化聚丙烯，无感卷绕结构，轴向
自愈性能优异
外包聚酯胶带纸，两端灌注阻燃性环氧树脂

Features

Metalized Polypropylene film, non-inductive type, axial
Excellent self-healing property
Wrapped with polyester adhesive tape and ends filled with Flame Retardant epoxy resin

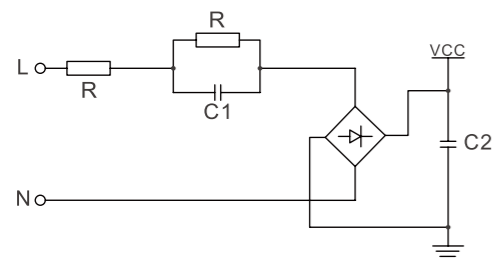
主要用途

温度补偿电路
定时、振荡电路
功率因素校正，开关电源耦合用

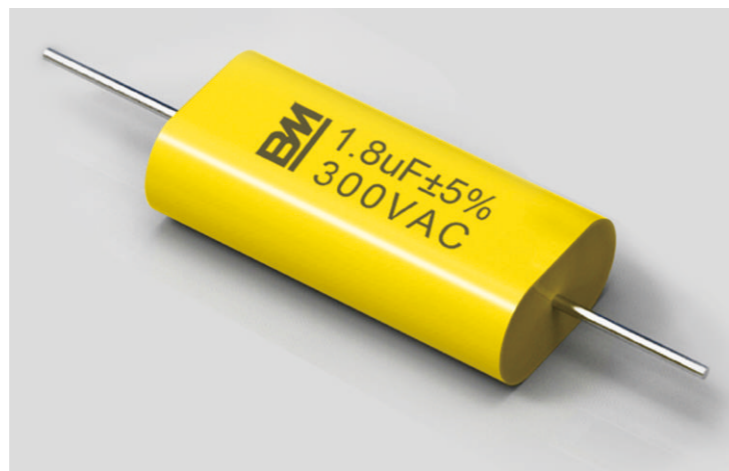
Typical application

Temperature compensation circuits
Timing oscillator circuits
Power factor correction and coupling capacitor in SMPS application

典型线路图 Typical circuit



C2:滤波电容
Filter capacitor



技术要求 Specifications

| | | | | | | | | | |
|---|---|--|-------------|--------|--------|--------|------|--------|-----------|
| 引用标准Reference Standard | GB/T 14579(IEC 60384-17) | | | | | | | | |
| 气候类别Climatic Category | 40/85/21 | | | | | | | | |
| 额定温度Rated Temperature | 85°C | | | | | | | | |
| 额定电压Rated Voltage | 100V、160V、250V、400V、630V、1000V、1250V | | | | | | | | |
| 电容量范围Capacitance Range | 0.010μF~47μF | | | | | | | | |
| 电容量偏差Capacitance Tolerance | ±5% (J)、±10% (K)、±20% (M) | | | | | | | | |
| 耐电压Voltage Proof | 1.8UR(10S) | | | | | | | | |
| 损耗角正切Dissipation Factor | ≤10×10 ⁻⁴ (1KHz,20°C) | | | | | | | | |
| 绝缘电阻Insulation Resistance | ≥100000MΩ, C _R ≤0.33μF ≥30000s, C _R >0.33μF (20°C,100V,1min) | | | | | | | | |
| 最大脉冲爬升速度Maximum Pulse Rise Time(dV/dt):若实际工作电压U比额定电压UR低,电容器可工作在更高的Dv/dt场合,这样dV/dt允许值应为右表值乘以UR/U If the working voltage (U) is lower than the rated voltage (UR), the capacitor can be worked at a higher dV/dt. In this case, the maximum allowed dV/dt is obtain by multiplying the right value with UR/U | UR(V) | | dV/dt(V/μs) | | | | | | |
| | | | L=12.0 | L=14.5 | L=20.0 | L=27.5 | L=33 | L=41.5 | L=56 5 |
| | 100/160 | | 150 | 110 | 80 | 60 | 50 | 35 | 20 |
| | 250 | | 300 | 220 | 150 | 110 | 90 | 60 | 30 |
| | 400 | | 460 | 330 | 250 | 180 | 120 | 80 | 45 |
| | 630 | | 600 | 440 | 300 | 220 | 150 | 100 | 60 |
| | 1000 | | 800 | 550 | 400 | 300 | 200 | 150 | 80 |
| | 1250 | | 1000 | 750 | 580 | 400 | 300 | 200 | 100 |

外形尺寸 Dimensions (mm)

| 250VAC | | | | |
|---------------------|----|------|------|-----|
| C _n (μF) | L | B | H | D |
| 0.82 | 25 | 7.5 | 12.5 | 0.8 |
| 1 | 25 | 8.5 | 13.5 | 0.8 |
| 1.2 | 25 | 9.0 | 15.0 | 0.8 |
| 1.5 | 25 | 10.0 | 16.5 | 0.8 |
| 1.8 | 25 | 11.5 | 17.5 | 0.8 |
| 1.8 | 31 | 9.0 | 15.5 | 0.8 |
| 2 | 31 | 10.0 | 16.0 | 0.8 |
| 2.2 | 31 | 10.5 | 16.5 | 0.8 |
| 2.7 | 31 | 11.0 | 19.0 | 0.8 |
| 3 | 31 | 11.5 | 19.5 | 0.8 |
| 3.3 | 31 | 13.0 | 19.5 | 0.8 |
| 1.5 | 36 | 7.0 | 13.5 | 0.8 |
| 1.8 | 36 | 8.0 | 14.0 | 0.8 |
| 2 | 36 | 8.5 | 15.0 | 0.8 |
| 2.2 | 36 | 9.0 | 15.5 | 0.8 |
| 2.7 | 36 | 10.5 | 16.5 | 0.8 |
| 3 | 36 | 11.0 | 17.0 | 0.8 |
| 3.3 | 36 | 11.5 | 18.0 | 0.8 |
| 3.9 | 36 | 13.0 | 19.0 | 0.8 |
| 4 | 36 | 12.0 | 20.0 | 0.8 |
| 4.7 | 36 | 14.0 | 20.5 | 0.8 |
| 5 | 36 | 14.0 | 22.0 | 0.8 |
| 5.6 | 36 | 16.0 | 22.0 | 0.8 |
| 6 | 36 | 15.5 | 23.5 | 0.8 |
| 6.8 | 36 | 16.0 | 25.5 | 0.8 |
| 7 | 36 | 16.5 | 26.0 | 1 |
| 8.2 | 36 | 19.5 | 26.0 | 1 |
| 2 | 46 | 7.5 | 12.5 | 0.8 |
| 2.2 | 46 | 7.5 | 13.5 | 0.8 |
| 2.7 | 46 | 8.5 | 14.5 | 0.8 |
| 3 | 46 | 9.0 | 15.0 | 0.8 |
| 3.3 | 46 | 9.5 | 15.5 | 0.8 |
| 3.9 | 46 | 10.5 | 16.5 | 0.8 |
| 4 | 46 | 10.0 | 18.0 | 0.8 |
| 4.7 | 46 | 11.5 | 18.0 | 0.8 |
| 5 | 46 | 11.5 | 19.0 | 0.8 |
| 5.6 | 46 | 13.0 | 19.0 | 0.8 |

外形尺寸 Dimensions (mm)

| 250VAC | | | | |
|---------------------|----|------|------|-----|
| C _n (μF) | L | B | H | D |
| 0.68 | 25 | 8.5 | 13.0 | 0.8 |
| 0.82 | 25 | 9.5 | 14.0 | 0.8 |
| 4 | 25 | 8.5 | 13.5 | 0.8 |
| 0.82 | 31 | 7.5 | 12.5 | 0.8 |
| 1 | 31 | 7.0 | 11.5 | 0.8 |
| 1.2 | 31 | 8.0 | 12.5 | 0.8 |
| 1.5 | 31 | 8.0 | 14.5 | 0.8 |
| 1.8 | 31 | 9.0 | 15.5 | 0.8 |
| 2 | 31 | 10.0 | 16.0 | 0.8 |
| 2.2 | 31 | 13.0 | 19.0 | 0.8 |
| 2.7 | 31 | 14.5 | 21.0 | 0.8 |
| 3 | 31 | 12.5 | 18.5 | 0.8 |
| 3.3 | 31 | 16.5 | 22.5 | 0.8 |
| 1.5 | 36 | 7.5 | 12.5 | 0.8 |
| 1.8 | 36 | 8.0 | 14.0 | 0.8 |
| 2 | 36 | 9.0 | 14.0 | 0.8 |
| 2.2 | 36 | 9.5 | 14.5 | 0.8 |
| 2.7 | 36 | 11.0 | 15.5 | 0.8 |
| 3 | 36 | 11.0 | 17.0 | 0.8 |
| 3.3 | 36 | 11.5 | 18.0 | 0.8 |
| 3.9 | 36 | 13.0 | 19.0 | 0.8 |
| 4 | 36 | 12.5 | 20.0 | 0.8 |
| 4.7 | 36 | 14.0 | 20.5 | 0.8 |
| 5 | 36 | 14.0 | 22.0 | 0.8 |
| 5.6 | 36 | 16.0 | 22.0 | 0.8 |
| 6 | 36 | 15.5 | 23.5 | 0.8 |
| 6.8 | 36 | 16.0 | 25.5 | 0.8 |
| 7 | 36 | 16.5 | 26.0 | 1.0 |