

PPN

CBB13高压聚丙烯膜电容器 (PPN) High-voltage polypropylene film capacitor

- ◎ **特点:** 采用金属化聚丙烯膜和金属铝箔卷绕的特殊结构, 阻燃环氧树脂包封, 绝缘电阻高, 耐潮湿性好, 优异的频率和温度特性, 即使在高频下, 损耗也很小。

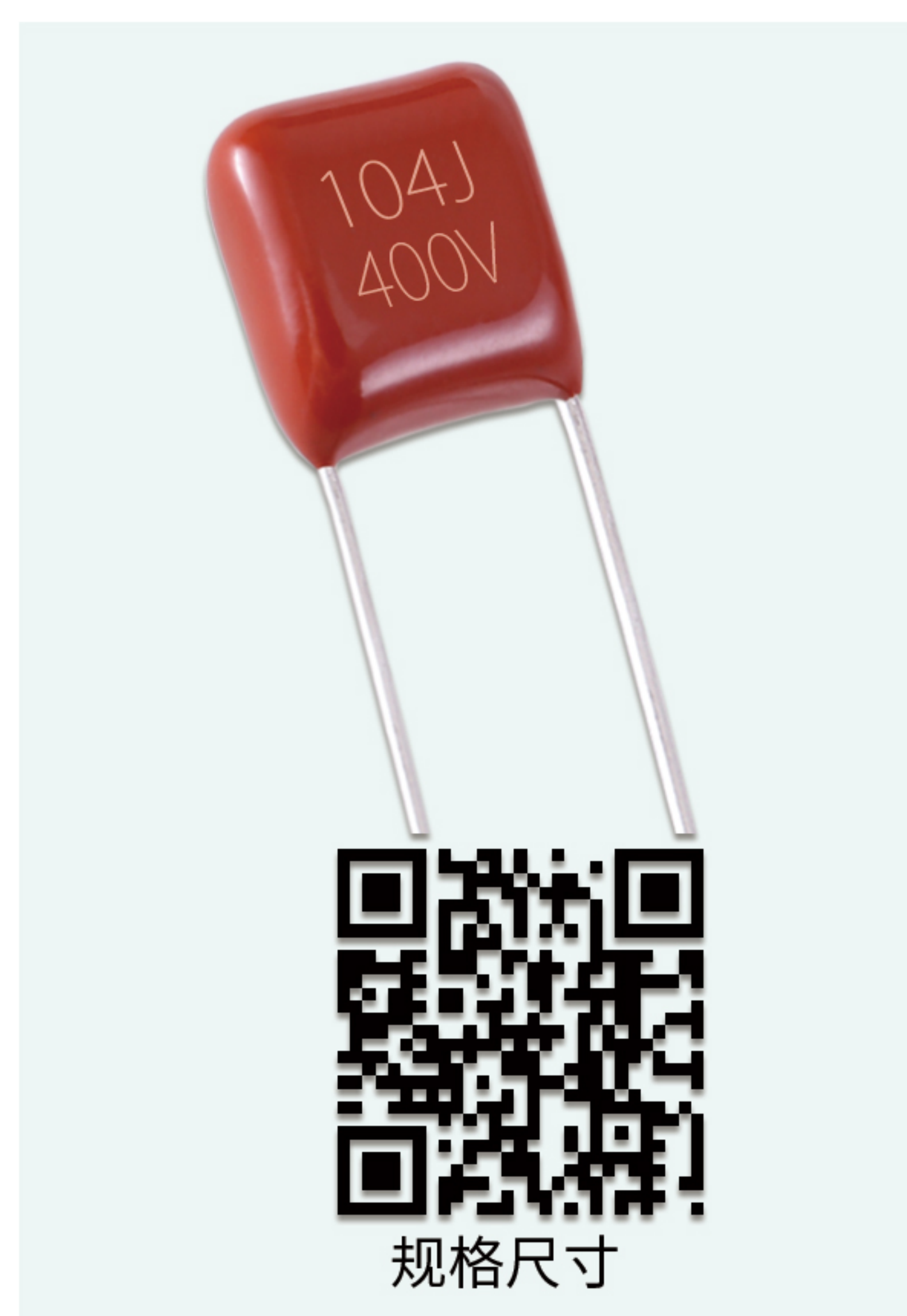
Characteristic: Special structure of metallized polypropylene film and aluminum foil, high insulation resistance and excellent moisture resistance because of epoxy resin coating. excellent frequency and temperature characteristics, very small loss even at high frequency.

- ◎ **应用:** 广泛用于高频、高压、直流和脉动电路中。

Application: Widely used in high frequency, DC, AC and pulse circuits.



MSF



CL21X小型金属化聚酯膜电容器 (MSF) Miniature-size metallized polyester film capacitor

- ◎ **特点:** 金属化聚酯薄膜卷绕而成, 体积超小, 自愈性好, 部分容量可用串联金属化膜生产, 耐压高, 耐温125°C, 可全系列径向编带。

Characteristic: Rounded by metallized polyester film, super mini-size, good self-healing effect, some capacitance can be used in series film, high voltage, temperature resistance 125 °C, available for automatic radial insertion.

- ◎ **应用:** 适用于直流及低脉冲场合, 用于功放, 通讯, 电源, LED驱动等要求小尺寸的电路。

Application: Applicable to DC and low pulse occasions, used in power amplifier, communications, power supply, LED driver for small size capacitor.

MPS

CBB21X超小型金属化聚丙烯膜电容器 (MPS) Subminiature metallized polypropylene film capacitor

- ◎ **特点:** 金属化聚丙烯薄膜卷绕而成, 超小体积, 自愈性能好, 耐高温, 部分小容量可使用串联金属化膜生产, 耐压高, 损耗低 $\leq 0.0008\%$ 。

Characteristic: Rounded by metallized polypropylene film, small size, low dissipation, small internal-temperature-rise, good self-healing effect, some small capacitance can be used in series film, high voltage, Low loss $\leq 0.0008\%$.

- ◎ **应用:** 本品用于各种要求低损耗或高精度的电路。

Application: This product is used for the various requirements of low loss or high precision circuits.



MPP

MPP无线充专用聚丙烯薄膜电容器 (CBB21) Polypropylene film capacitor for wireless charging

◎ **特点:** 产品应用可过Qi认证, 厚度能做到3.2mm以下, 温升高, 转化效率可达80%以上。良好的自愈性, 稳定性好、可靠性高, 可用于各种交直流脉冲高频率大电流电路中。

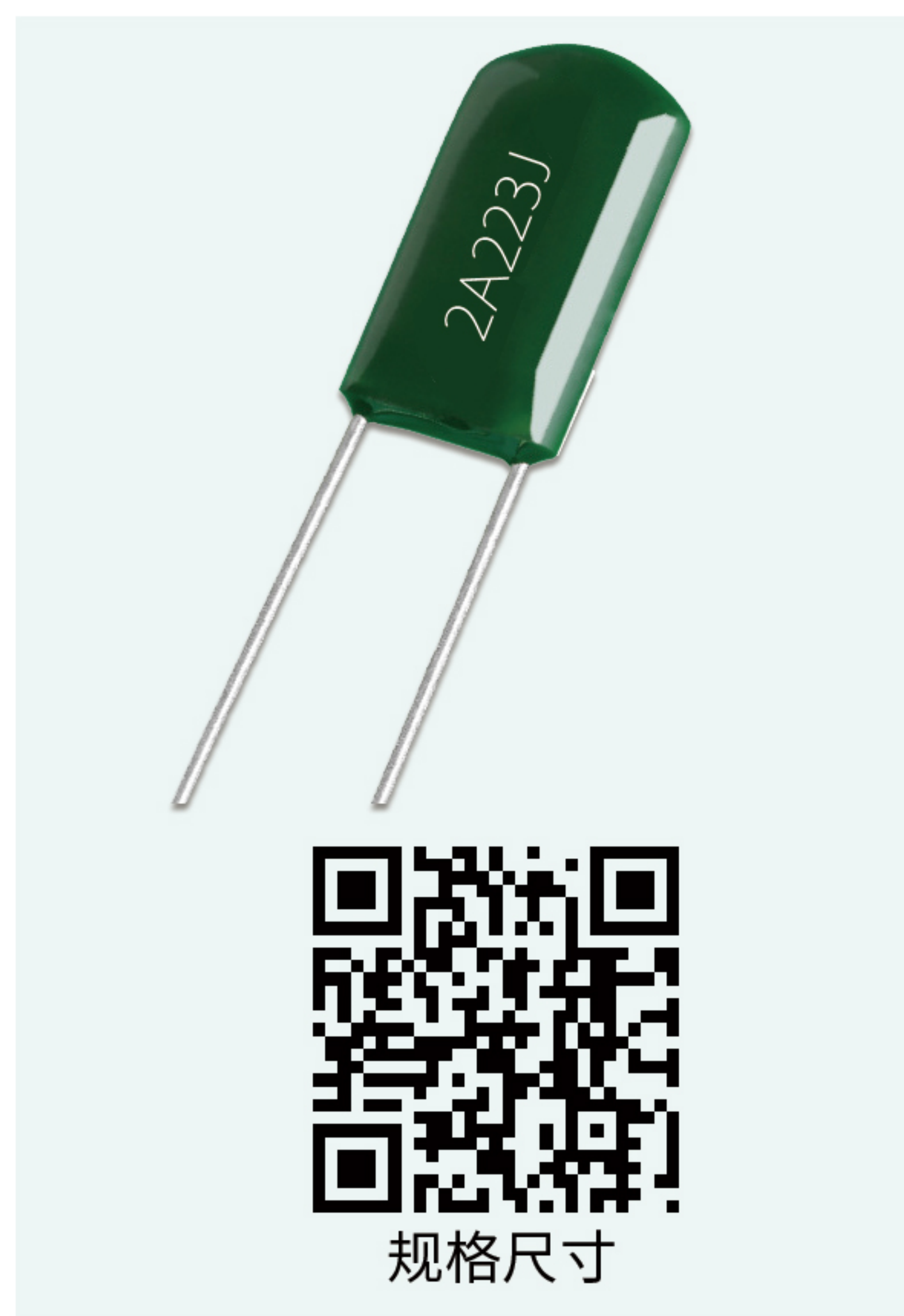
Characteristic: Products can pass Qi authentication. The thickness can be less than 3.2mm, Low temperature rise, Conversion efficiency can reach more than 80%, Good self-healing and stability, high reliability, It can be used in a variety of high frequency and high current AC and DC pulse circuits.

◎ **应用:** 自主研发专门为无线充电产品设计, MPP电容替代NPO、X7R替代电容。

Application: Independent research and development is specially designed for wireless charging products. CBB capacitor replaces NPO and X7R capacitor.


PEI

CL11涤纶电容 (PEI) Polyester film capacitor



◎ **特点:** 环氧树脂真空包封, 提高产品的机械强度和耐温性, 稳定性好, 可靠性高, 绝缘电阻高, 损耗小, 体积小, 重量轻, 价格低。

Characteristic: Epoxy resin vacuum-dipped enhances the mechanical strength and humidity resistance. high stability and reliability, high insulation resistance, low dissipation factor, small size, light weight and low cost.

◎ **应用:** 广泛用于电源、音响及各种电子仪器的直流、脉冲电路中。

Application: Widely used in DC and pulse circuits of power, audio and various electronic equipments.

MKP

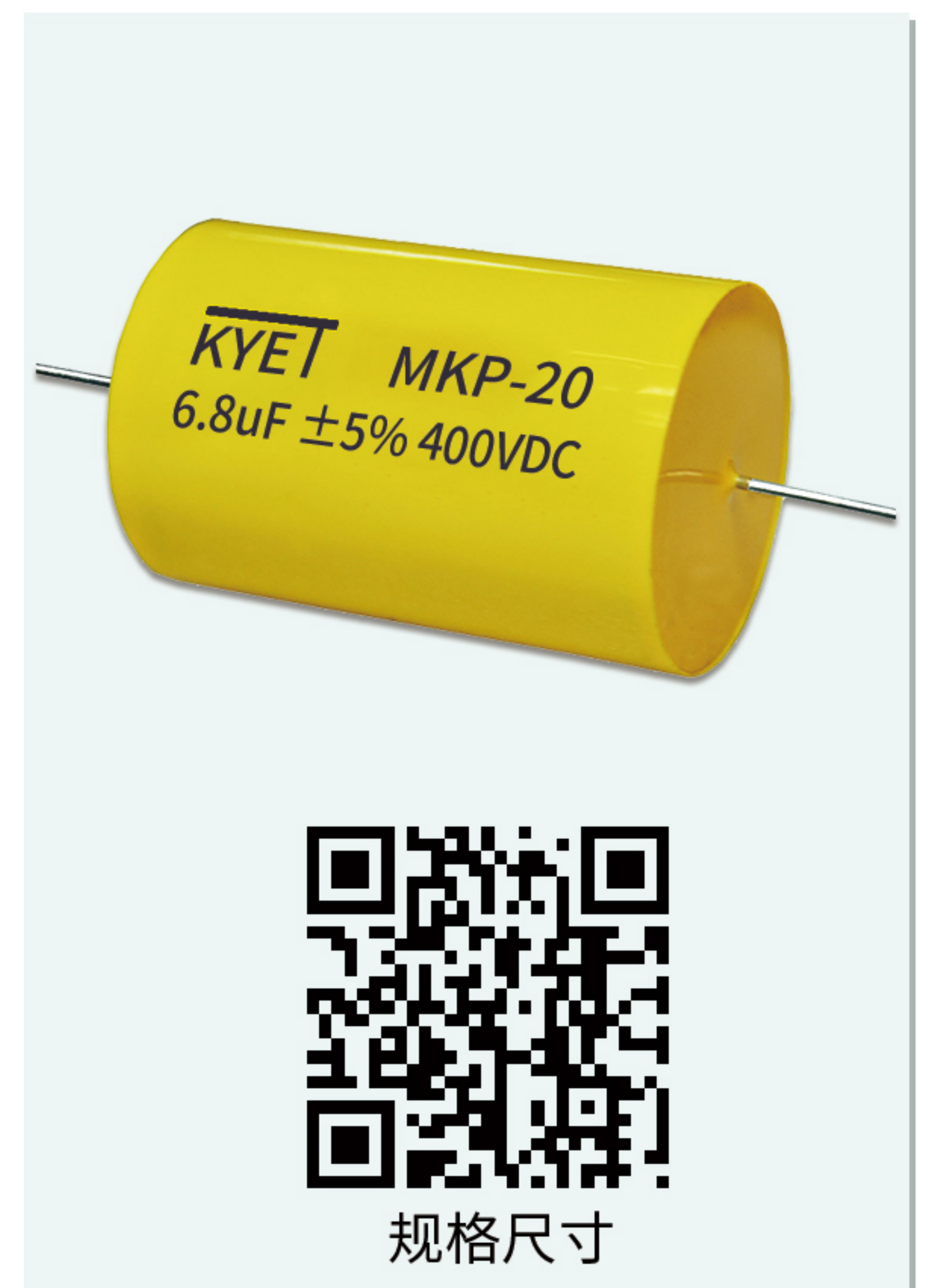
CBB20轴向型金属化聚丙烯薄膜电容器 (MKP) Axial direction type metalized polypropylene film capacitors

◎ **特点:** 金属化聚丙烯膜卷绕而成, 引线轴向引出, 外裹高温胶带, 外型为扁圆型或圆柱型, 噪音低, 损耗小, 内部温升小, 用于各种交直流脉冲及大电流电路。

Characteristic: Rounded by metalized polypropylene film, axial lead, coated with high temperature adhesive tape, flat circular or cylindrical, low noise, low dissipation, small-temperature-rise which is applicable for AC and DC pulse high-current circuit.

◎ **应用:** 产品低噪音特性, 适用于音频设备音质好。

Application: Products have low noise characteristics and are suitable for audio equipments with good sound quality.



MKT

CL20轴向金属化聚酯薄膜电容器 (MKT)

Axial direction metalized polyester film capacitor

- ◎ **特点:** 金属化聚酯薄膜卷绕而成, 引线轴向引出, 外裹高温胶带, 两端环氧液体灌封, 外型为扁圆型或圆柱型, 低噪音。

Characteristic: Rounded by metalized polyester film, axial lead, coated with high temperature adhesive tape, the epoxy potting, flat circular or cylindrical, low noise, widely used in audio, low noise and coupling circuits.

- ◎ **应用:** 本品用于各种电子设备, 通讯视听以及音频分频电路等各种直流和脉冲电路中。

Application: Widely used in various DC and impulse circuits such as electronic equipments, communication and audio sets.



规格尺寸

MEMB

CL71叠片式校正电容/塑料外壳金属化聚酯叠片式电容器 (MEMB)

Box-type metalized polyester film capacitor (stacked version)

- ◎ **特点:** 该电容器采用叠片式结构, 外部阻燃环氧树脂壳式封装, 自愈性好, 可靠性高, 损耗小, 电性能优越, 外形尺寸一致, 适于自动化装配, 可全系列径向编带。

Characteristic: This kind of capacitor applies stacked construction. It is sealed by the flame-retarded epoxy resin. It has good reliable, low loss, good electrical features, uniform dimension and self-healing effect. It is suitable for all kind of radial taping and can be automatic assemble.

- ◎ **应用:** 广泛用于各种直流及脉动电路中。

Application: It can be widely applied in all kinds of circuits of DC and pulse.



规格尺寸

MEC

卷绕式校正电容/CL23超小型塑料外壳金属化聚酯膜电容器 (MEC)

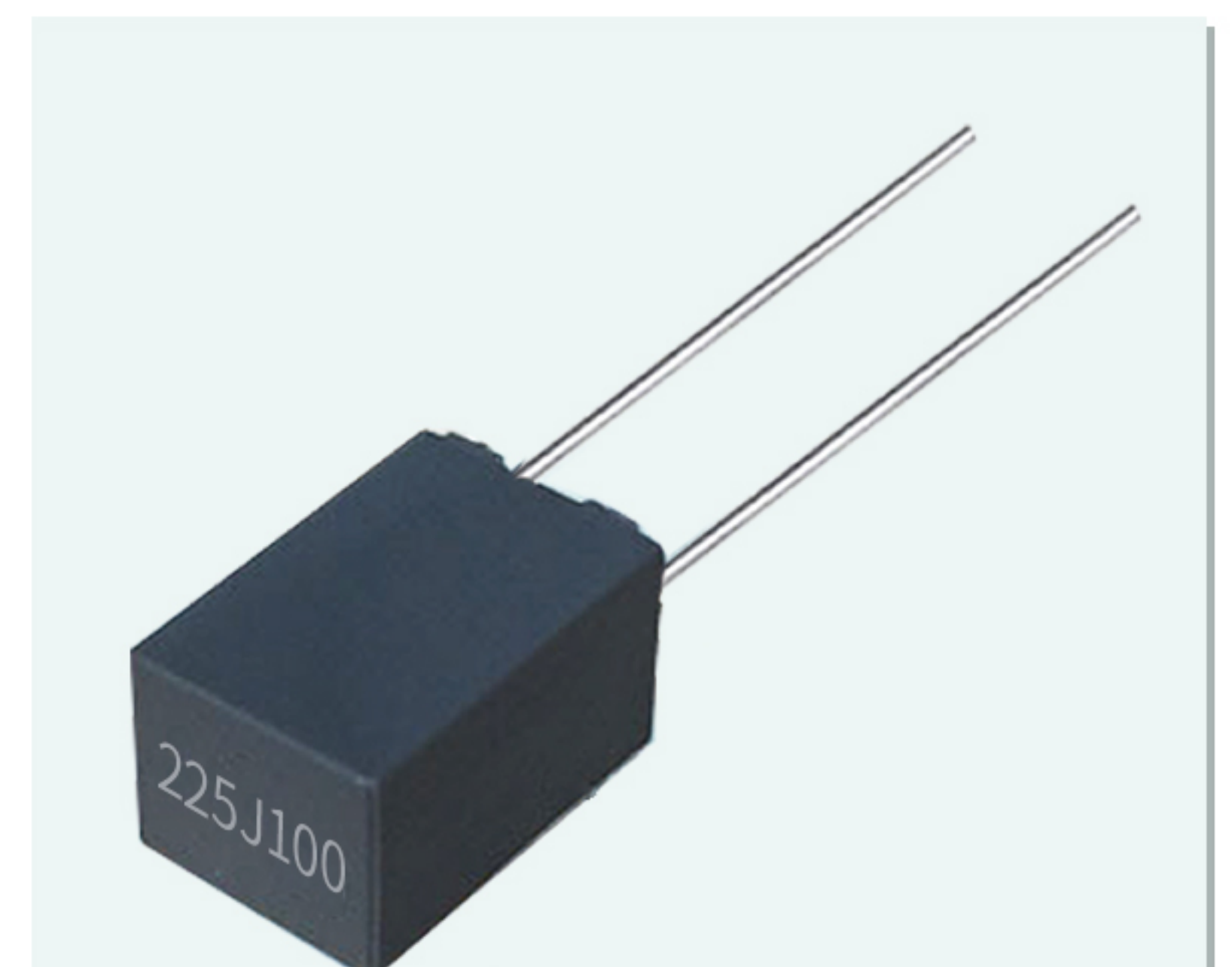
Box-type metalized polyester film capacitor

- ◎ **特点:** 金属化聚酯薄膜卷绕而成, 自愈性能好, 耐高温, 耐压高, 可靠性高, 外型误差极小, 防潮性能稳定, 低噪音, 外观一致性好。

Characteristic: Rounded by metalized polyester film, good self-healing effect, high voltage, identical appearance is applicable to all kinds of low dissipation and high precision capacitance circuits.

- ◎ **应用:** 用于直流低脉冲电路, 广泛用于对产品可靠性要求较高的电路中。

Application: Widely used for low pulse circuit, widely used in products requiring high reliability circuit



规格尺寸

MMKP82

MMKP82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, 内部温升小, 耐高频大电流, 优异的阻燃性能。

Characteristic: Double sided metallized polypropylene film, low loss and small inherent temperature rise, high frequency and high current resistance, excellent active and passive flame resistant abilities.

- ◎ **应用:** 广泛用于高压高频脉冲谐振电路中; 大功率电源; 吸收和SCR整流电路中。

Application: Widely used in high voltage and high frequency pulse resonance circuit, high power supply, snubber and SCR commutating circuits.



MPB



MPB PFC滤波专用金属化聚丙烯膜塑壳电容器 (CBB21-B) Metallized polypropylene film plastic shell capacitor for PFC filter

- ◎ **特点:** CBB21-B为无感结构, 用金属化聚丙烯膜作电介质/电极绕制而成, 导线采用镀锡铜包钢线, 使用环氧树脂密封在塑料壳内, 外观一致性好, 高频损耗小, 绝缘电阻高, 自愈性好, 寿命长。

Characteristic: CBB21-B are non-inductively wound with metallized polypropylene film as the dielectric/electrode with copper-clad steel leads and encapsulated in a plastic case sealed with epoxy resin, the identical outer appearance, very low loss at high frequency, suitable for high current. High insulation resistance, long life due to self-healing effect.

- ◎ **应用:** 广泛应用于大电流以及高频、直流、交流和脉冲电路中。

Application: Widely used in high frequency DC and pulse circuits.

MEB

MEB金属化聚酯膜塑壳电容器 (CL21-B) Metallized polyester film capacitor-box

- ◎ **特点:** 塑料外壳封装, 外观一致性好, 容量范围宽, 体积小, 自愈性好, 寿命长。

Characteristic: Encapsulated in a plastic case sealed with epoxy resin, Box in type provides the identical outer appearance. Wide capacitance range. small size, Long life due to self-healing effect.

- ◎ **应用:** 用于直流和VHF级信号的隔直流、旁路、耦合及滤波、降噪、低脉冲电路。

Application: Suitable for blocking, by-pass and coupling of DC and signals to VHF range; Widely used in filter, noise suppression and low pulse circuits.



MPB-A

MPB-A阻容降压专用金属化聚丙烯膜盒装电容 (CBB22-B) Metallized polypropylene RC voltage-reducing capacitor

- ◎ **特点:** 本产品专为阻容降压电路开发设计,体积小,高频损耗小,可以承受较大的交流浪涌电压冲击,过电流能力强,容量衰减小,使用寿命长。

Characteristic: This product is designed for RC buck circuit design, small loss at high frequency, can withstand greater AC peak surge voltage current surge current capability; capacity attenuation, the service life is long.

- ◎ **应用:** 适用于与电源串联的电容降压场合,如家电控制板、感应器、电力监测仪、LED模块等。

Application: It is suitable for capacitor voltage reduction occasions in series with power supply, such as home electric control board, inductor, power monitor, LED module, etc.



MPB-S

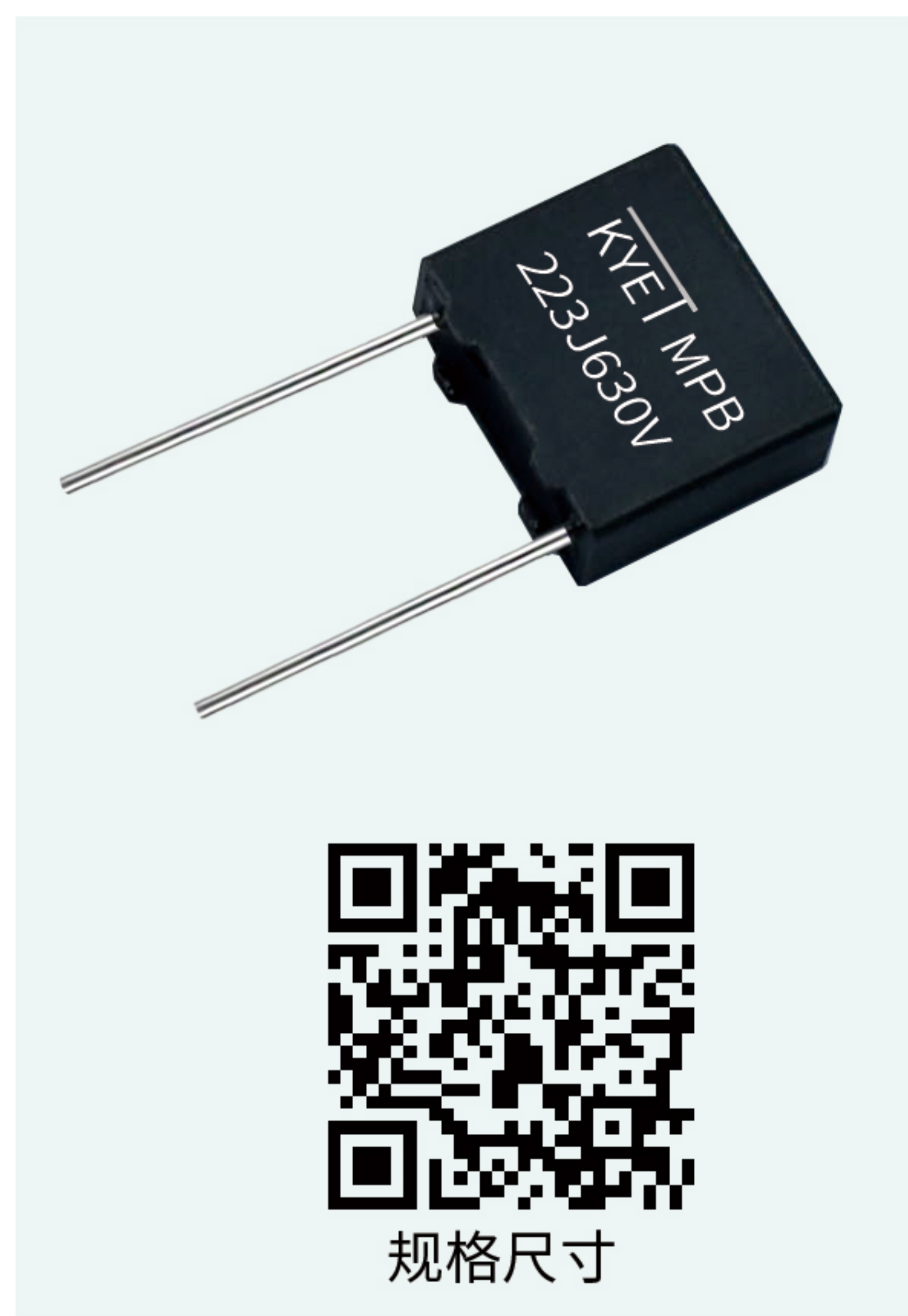
MPB-S塑壳式超小型金属化聚丙烯膜电容器 (CBB21-B) Subminiature box-type Metallized polypropylene film capacitors

- ◎ **特点:** 金属化聚丙烯膜卷绕而成,损耗低,小尺寸型,内部温升小,部分容量可用串联膜生产,耐压高。塑壳封装,阻燃性液体环氧灌封,可靠性能好,外型误差小。

Characteristic: Rounded by metallized polypropylene film, low dissipation, small internal temperature rise, good self-healing effect, some capacitance can be used in series film, high voltage, box type by liquid flame retardant epoxy potting, identical appearance.

- ◎ **应用:** 适用于各种要求小尺寸低损耗或大容量高精度的电路。

Application: Applicable to all kinds of low dissipation and high precision capacitance circuits.



MEX

抑制电磁干扰X1安规电容器 (440V/480V) Metallized polypropylene film capacitor class X1

- ◎ **特点:** X1-MEX为无感结构,外观一致性好,高频损耗小,绝缘电阻高,自愈性好,寿命长,能承受4KV的脉冲电压。

Characteristic: X1-MEX are non-inductively, very low loss at high frequency, suitable for high current, high insulation resistance, long life due to self-healing effect, withstanding 4KV impulse voltage.

- ◎ **应用:** 适用于较大电流、电源跨线降噪电路及其它交流场合。

Application: Class X1 as an across-the-line type noise suppression capacitor and suitable for AC purpose.



MKP

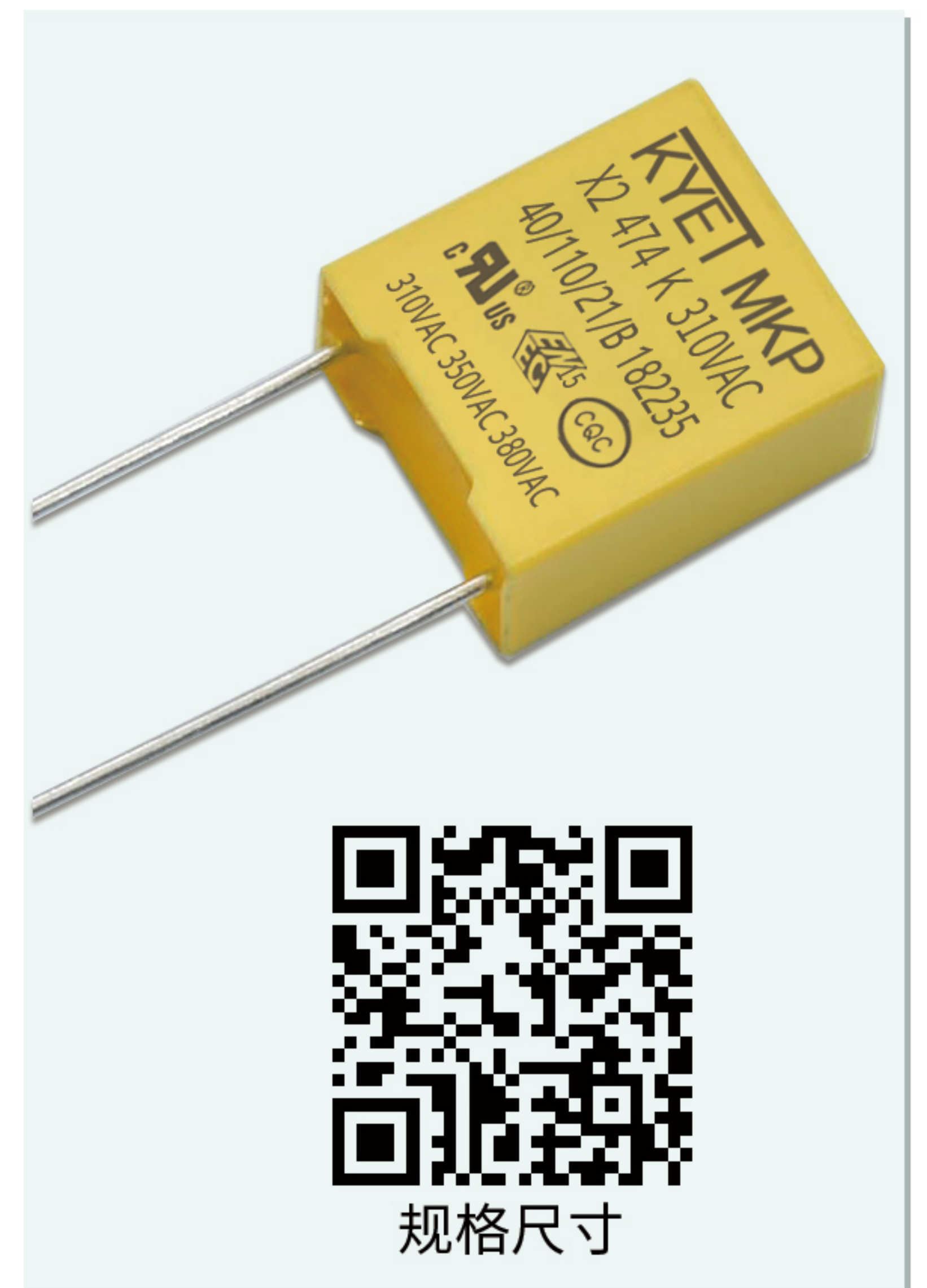
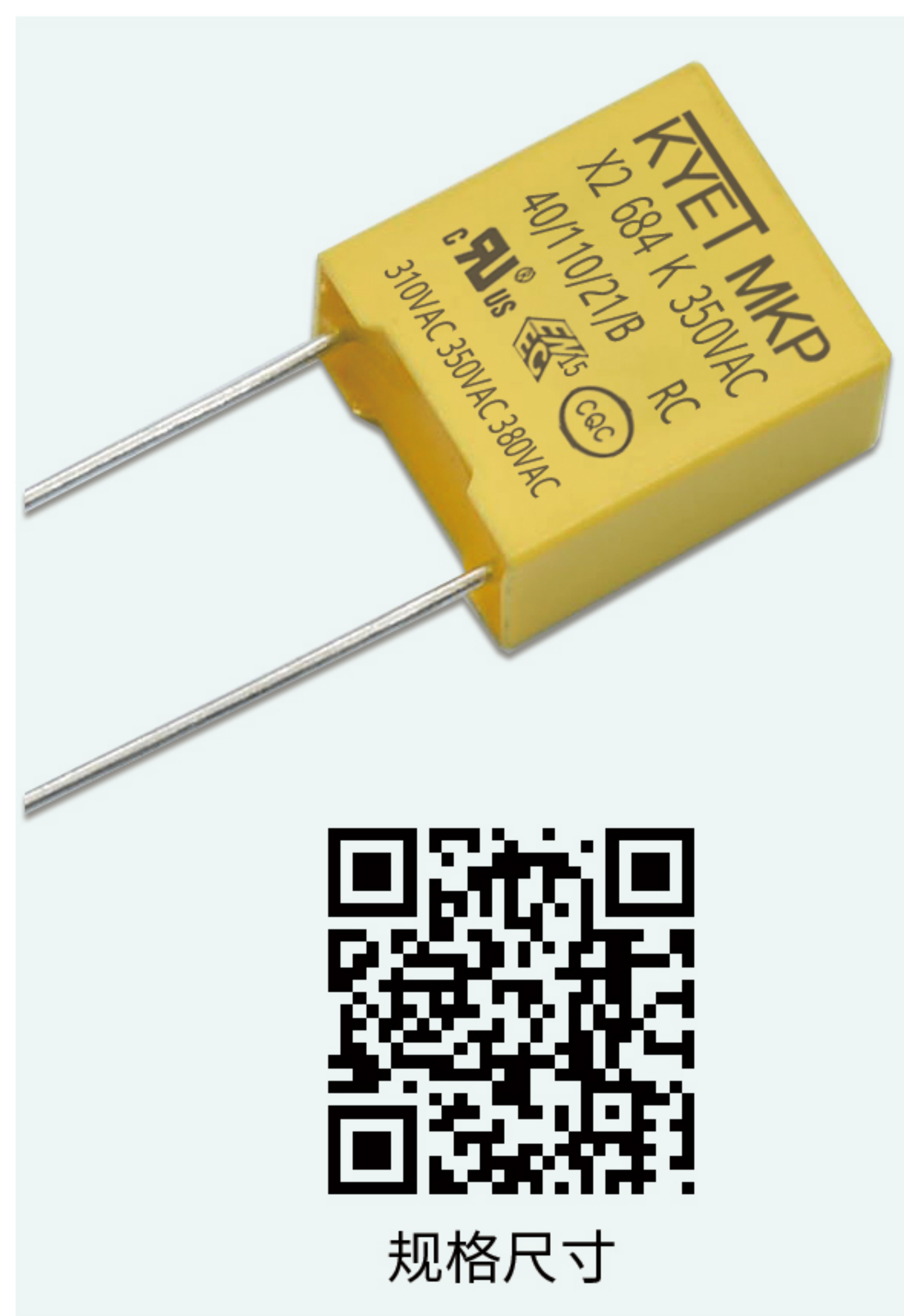
抑制电源电磁干扰用X2安规电容 (310V/350V/380V) Metallized polypropylene film capacitor class X2(310V/350V/380V)

◎ **特点:** X2-MKP为无感结构, 用金属化聚丙烯膜作电介质/电极绕制而成, 导线采用镀锡铜包钢线, 高频损耗小, 适合于较大电流, 绝缘电阻高, 自愈性好, 耐压高, 寿命长。

Characteristic: X2-MKP are non-inductively wound with metallized polypropylene film as dielectric/electrode with copper-clad steel leads, very low loss at high frequency, suitable for high current. High insulation resistance. long life due to self-healing effect, withstand voltage high.

◎ **应用:** 适用于电源跨线降噪电路及其它交流场合。

Application: As an across-the-line type noise suppression capacitor, and suitable for AC purpose.


X2-A


阻容降压专用X2安规电容器(310V/350V/380V) Metallized polypropylene film RC voltage-reducing capacitor

◎ **特点:** 专为阻容降压电路设计, 体积小, 高频损耗小, 可承受交流尖峰浪涌冲击, 过电流能力强; 容量衰减小 (长期施加220VAC, 50HZ/60HZ, 容量衰减每年在5%以内), 使用寿命长, 耐温110°C。

Characteristic: Designed for RC buck circuit design, small size, small loss at high frequency, can withstand AC peak surge current capability; capacity attenuation (long term applied 220VAC 50HZ/60HZ, the capacity decay within 5% year) and long life, Temperature resistance 110 °C.

◎ **应用:** 适用于与电源串联的电容降压场合。

Application: It is used in series connection with power supply, such as home control board, LED module, etc.

瓷片

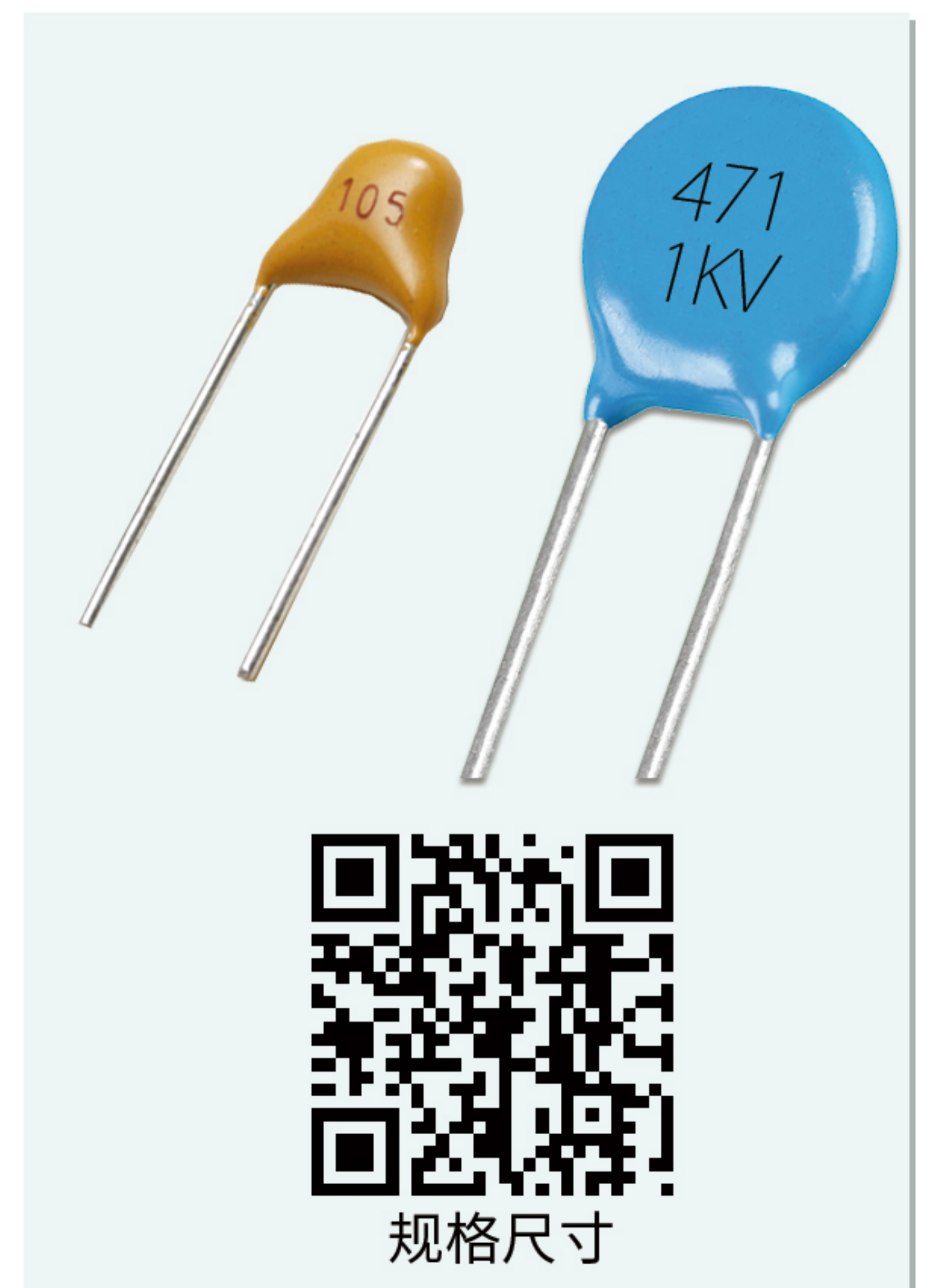
低压/中高压陶瓷电容器/独石电容 Low / Medium and high voltage ceramic capacitors/Monolithic capacitor

◎ **特点:** 低压瓷片电容具有体积小、容量大、绝缘性好的优点。中高压瓷片电容具有体积小、耐压高、频率高、绝缘性好的优点。

Characteristic: Low voltage ceramic chip capacitor has the advantages of small volume, large capacity and good insulation. Medium and high voltage ceramic chip capacitor has the advantages of small volume, high voltage withstand, high frequency and good insulation.

◎ **应用:** 适用于作高低压旁路或耦合电路中。

Application: It is suitable for high voltage bypass or coupling circuit.



安规Y电容 (Y1/Y2电容)

Safety gauge Y capacitance (Y1 / Y2 capacitance)

- ◎ **特点:** 抑制电源电磁干扰用电容器, 具有高介电系数的陶瓷介质和阻燃环氧树脂封装, 该电容器具有安全性、交流实验电压高、介质损耗低的特点。

Characteristic: The capacitor used to suppress the electromagnetic interference of power supply has high dielectric coefficient ceramic medium and flame-retardant epoxy resin package. The capacitor has the characteristics of safety, high AC experimental voltage and low dielectric loss.

- ◎ **应用:** 适用于电子设备的电源电路噪音抑制电路中。

Application: It is suitable for power circuit noise suppression circuit of electronic equipment.



HEL



通用/高能压敏电阻 (5D/7D/10D/14D/20D/25D/32D/40D/53D/34S) General purpose / high energy varistor

- ◎ **特点:** 压敏芯片自产自用; 研发工程师为博士后, 原风华高科压敏项目筹建人; 大芯片, 涂银面积大、含银量足; 型号齐全; 抗冲击性能强; 漏电流小, 温度系数小, 价格低廉。

Characteristic: The varistor chip is produced and used by ourselves; the R & D Engineer is the postdoctoral and the former founder of Fenghua high tech varistor project; the large chip has large silver coating area and sufficient silver content; the model is complete; the impact resistance is strong; the leakage current is small, the temperature coefficient is small, and the price is low.

- ◎ **应用:** 抑制电路中的浪涌电流, 保护电路安全。

Application: Suppress the surge current in the circuit and protect the circuit safety.

NTC

MF72功率型热敏电阻 (NTC) /温度传感器

MF72 power NTC thermistor/Temperature sensor

- ◎ **特点:** 灵敏度高, 电阻温度系数大; 工作温度范围宽; 体积小, 使用方便; 稳定性好, 过载能力强。芯片自己生产, 使用国标大芯片。

Characteristic: High sensitivity, large resistance temperature coefficient, wide working temperature range, small volume, easy to use, good stability, strong overload capacity. The chip is produced by itself and uses the national standard large chip.

- ◎ **应用:** 抑制电子电路在开机上电瞬间产生的浪涌电流。温度传感器用于测温。

Application: Suppress the surge current generated by the electronic circuit at the moment of power on. Temperature sensor is used to measure temperature.

