

薄膜电容器

Film Capacitors

Date: July 2017 Film Capacitors

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一、常用的标准术语

1.使用温度范围

电容器设计所确定的能连续工作的最高与最低环境温度。

2.额定电压 (UR)

在下限类边温度和额定温度之间的任一温度下, 可以连续施加在电容器上的最大直流电压或脉冲电压的峰值。

3.容量

电容器储存电能的能力。

4.容量允许偏差

标准值的偏差范围。通常用%表示。

5.损耗角正切(tanδ)

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。

6.绝缘电阻 (I.R.) /时间常数 (t)

绝缘电阻为电容器充电一分钟后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:

$$t[s]=I.R.[M\Omega]\times C[\mu F]$$

一般情况下, 绝缘电阻用于描述小容量电容器的绝缘特性, 时间常数用于描述大容量 ($C_R>0.33\mu F$) 电容器的绝缘特性。

7.高温负荷

在高温条件下, 施加一定的电压进行试验, 试验后对电容器的特性进行测定, 确保特性值在规格范围内。

8.耐湿负荷

在高湿度条件下, 施加一定的电压进行试验, 试验后对电容器的特性进行测定, 确保特性值在规格范围内。

9.自愈性 (仅对金属化膜电容器)

金属化膜的金属镀层是通过真空蒸发的方法将金属沉积在薄膜上, 厚度只有几十纳米, 当介质上存在弱点杂质时, 局部电击穿就可能发生, 电击穿处的电弧放电所产生的能量足以使电击穿点邻近的金属镀层蒸发, 使击穿点与周围极板隔开, 电容器电气性能即可恢复正常。

一、Terminologies

Temperature range

The highest and lowest environmental temperature determined by capacitors design and which capacitor may continuously work.

Rate Voltage (UR)

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.

Capacitance

The ability of storing electrical energy by capacitor.

Capacitance tolerance

The standard deviation range is generally showed by percent.

Dissipation factor(tanδ)

The dissipation factor is ratio between reactive power of the impedance of the capacitor and effective power when capacitor

Insulation resistance (I.R.) /Time Constant (t)

The Insulation resistance is the ratio between applied D.C voltage and the resulting leakage current after a minute of change .It is expressed in MΩ. The time constant is expressed in seconds with the following formula:

$$t[s]=I.R.[M\Omega]\times C[\mu F]$$

In general , Insulation resistance is used for describing smaller capacitance capacitors' insulation character ,Time Constant for describing larger ones' (example: $C_R>0.33\mu F$) is submitted to a sinusoidal voltage of specified frequency.

High temperature endurance

When using a certain range of voltage at high temperature to exam the capacitor ,we check the feature data after the examination and keep the data under the rated range.

Damp heat

When using a certain range of voltage at high damp heat to exam the capacitor, we check the feature data after the examination and keep the data under the rated range.

Self-healing(Only for metallized film capacitor)

The metal coatings of the metallized film, which are vacuum-deposited directly onto the plastic film, have a thickness of only several tens nm. At weak points or impurities in the dielectric, a dielectric breakdown channel is sufficient to totally evaporate the thin metal coating in the vicinity of the channel. The insulated region thus resulting around the former faulty area will cause the capacitor to regain its full operation ability.

二、使用注意事项

在使用时，请您索取产品的规格书，并在规格规定范围内使用。

如果在超出规格书及注意事项的范围下使用，有可能导致短路，开路，冒烟，起火等。因此，请务必在规定的范围内使用。

如果不明白或规格书上没有记载的项目，请与我们联系。

另外，如您用在关系到人身安全的装置及设备使用时，也请与我们联系。

二、Instructions for handling

For use of any type of capacitor, you are recommended to obtain individual specification in advance and use it within the limits specified thereby.

Use beyond such limits may lead to failures like short/open circuiting, smoking or even combustion.

For characteristics not clear or unlisted in our specification, please feel free to come to us.

Especially for life-affecting equipment, you are requested to ask for our council.

1.工作电压

薄膜电容器的最大电压值会因施加的电压波形，电流波形，频率，环境温度（电容器表面温度），电容量的不同而产生变化。使用前请先确认电容器两端的电压/电流波形，频率是否在规定范围之内。

Operation voltage

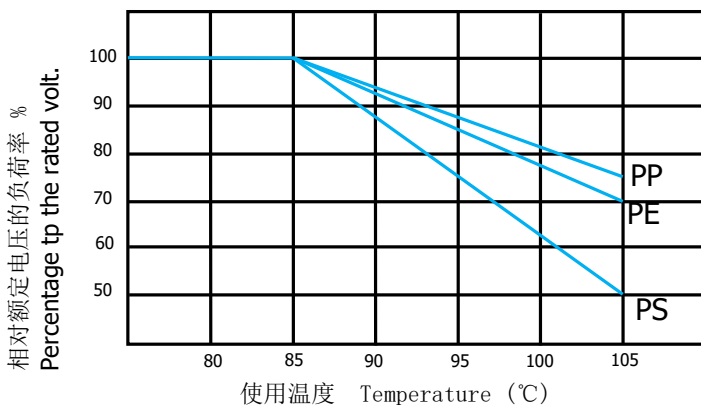
The plastic film capacitor varies in the maximum applicable voltage depending on the applied voltage waveform, current waveform, frequency, ambient temperature (capacitor surface temperature), capacitance value, etc. Be sure to use capacitors within the specified values by checking the voltage waveform, current waveform, and frequency applied to them.

※因温度变化调整电压时

电容器如果在高温环境下使用，由于热劣化，会减少使用寿命。因此在高温环境下使用时，请根据下图所示调查使用电压。

※Voltage Derating versus Temperature

When using capacitors at temperature higher than the normally specified maximum temperature, it is necessary to reduce the working voltage as shown in the figures below.



2.交流电路使用时

工作电流：

通过电容器的脉冲（或交流）电流等于电容量和电压上升速率的乘积，即： $I=C \times dv/dt$ 。

（1）容许电流

1) 正弦波

在正弦波下使用时，请根据各型号所示的频率数，在对应的容许电流特性的容许电流值（Arms）下使用。如果超出容许数值使用时，由于电容器自身的发热，有可能导致产品损伤。

Capacitors for Use in AC Circuit

Operating current:

The pulse(or AC)current flowing through the capacitor is expressed as:
 $I=C \times dv/dt$.

Permissible Current

Sine Wave

Capacitors should be used within the limits of permissible current (Arms) shown in the table for permissible current. If used in excess of permissible value, the capacitor may be deteriorated and damaged by its self-heating.

2) 正弦波以外

在正弦波以外的情况下使用时，其有效电流值在频率的容许电流特性范围以内。因此，请在各型号所示的容许峰值电流值以下使用。在超出规格值条件下进行急剧充放电时，会导致电容器的特性产生变化甚至被破坏。另外，在使用前，请确认好电流的波形，以及电容器的温度上升。

(2) 额定DC品在AC电路上使用时

在商务频率数（50、60Hz）下使用时，请按以下所示的电压使用。

Non-Sine Wave

When is use for non-sine wave, its effective current should be kept below the permissible current against frequency ,also, its peak current be below the capacitor's permissible peak current.

Charging and discharging under conditions in excess of specifications should be avoided because it may lead to deterioration of performance capability and even to destruction of the capacitor. In application, you are recommended to ascertain current waves, capacitor heat generation, etc. and the consult with CSD.

Permissible AC Voltage versus DC Rated Voltage

When using a capacitor by DC rated voltage at commercial power frequency(50Hz,60Hz), the permissible AC voltage is shown in the table below.

注意：DC额定电压产品请不要用在电源的一次侧。当DC有偏流存在时，峰值电压(Vo-p)请在以下所示的额定电压下使用。

CAUTION : The capacitor of DC rating should not be used at the primary side of power supplies. If DC bias contained, Vo-p should not exceed the DC voltage.

直流额定电压	C2-	C3-	C6-	C1-	C33		
50					30		
63					40		
100		63			63		
250	125	125			125		
300							
400	200	200					
450	200	200	200				
630	250	250	250				
800	250			250			
1000	400	400		400			
1200				400			
1250	400	500		400			
1600	500			500			
2000							

(3) 温度使用范围

电容器的使用温度为电容器表面温度（环境温度）+电容自身发热的升温+其它热源的热辐射升温。在交流或高频电路使用时，流过电容器的电流使其发热，如果发热量过大，会导致电容劣化或热破坏。

在使用时，请按下表所示，确认自热升温规格值和温度使用范围。

Permissible AC Voltage versus DC Rated Voltage

The operating temperature of a capacitor is defined with ambient temperature + self-heating temperature rise+ temperature rise due to thermal radiation from other heat sources.

When using capacitors in AC conditions or in high frequency circuits, capacitors will generate heats due to the flowing current. In case of high self-heating, a capacitor shall be placed at risk for thermal breakdown or deterioration of the capacitor. When using capacitors, please make sure that you requirements are within the limit of self-heating temperature rise and of operating temperature range.

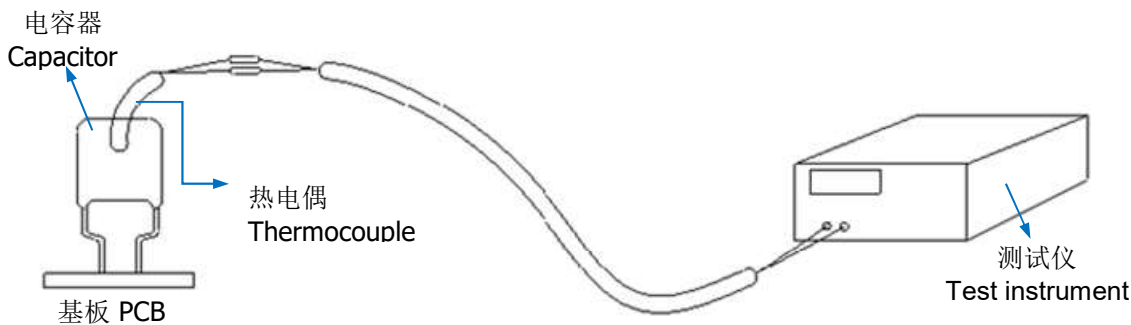
●温度上升表 Temperature rising graphic

电容器种类 Type of capacitor	自己温度上升 Self temperature rise	型号 Type
聚酯薄膜电容器 Polyester capacitor	15℃以内 Within 15℃	C33
金属化聚酯薄膜电容器 Metallized Polyester capacitor	15℃以内 Within 15℃	C3-
聚丙烯薄膜/箔式电容器 Polypropylene film/foil capacitor	10℃以内 Within 10℃	C1-
金属化聚丙烯薄膜电容器 Metallized Polypropylene capacitor	10℃以内 Within 10℃	C2-/C6-

●表面温升 (ΔT)

测量电容器表面温升的方法如图1，被测试电容器必须施加工作交流，脉冲电压及工作频率。

图1：测量电容器表面升温方法



●Surface over temperature (ΔT)

Method for determining the surface over temperature of the capacitor is showed in fig.1. The capacitor being tested must be supplied by the working AC or pulse voltage and frequency.

Fig1:Method fo determining the surface overtemperature of the capacitor

(4) 翁鸣声

电容器在交流电路使用时，因两电极间库仑力的作用，薄膜介质因机械振动而产生翁鸣声。这并非电容器特性存在问题，在使用时请确认其它方面有无异常。

Mechanical Resonance

Using under AC voltage results in the possibility of micro vibration of dielectric film driven by coulomb force producing thereby beat sounds(hum). Extensive test results have shown that this mechanical vibration in no way affects the electrical performance of the capacitor. However, it's highly recommended to check by yourself if this phenomenon could be the claim in the market or not.

3.定时电路等苛刻条件下使用时

电容器的特性会因其使用环境而产生变化。即使在一般情况下使用时，由于会吸收空气中的湿气，容量会发生若干变化。但介质不同，容量变化也不一样。因此，在定时电路上使用时，我们推荐使用聚丙烯薄膜电容 (C21、C24)

Capacitance Stability

Although film capacitors highly stable in terms of maintaining capacitance value, in certain critical applications such as RC time constant circuits, extra care in capacitor selection is recommended. Since the greatest cause of capacitance drift is moisture ingress, in critical applications, CSD recommends that capacitor types using polypropylene(such as C21、C24)

4. 电容器充放电

收于电容器充放电电流取决于电容量和电压上升速率的乘积，即使是低电压放电，也有可能产生大的瞬间充放电电流。这可能导致电容短路或开路等，损害电容器性能。当进行充放电时，请串联一个 $20\Omega/V \sim 1000\Omega/V$ 或更高的限流电阻，将充放电电流限制在规定的范围内。当多个薄膜电容器并联进行耐电压测试或寿命测试时，请为每个电容器串联一个 $20\Omega/V \sim 1000\Omega/V$ 或更高的限流电阻。

Charging and discharging

Because the charging and discharging current of capacitor is obtained by the product of voltage rise rate (dv/dt) and capacitance, low voltage charging and discharging may also cause deterioration of capacitor such as shorting and open due to sudden charging and discharging current.

When charging and discharging, pass through a resistance of $20\Omega/V$ to $1000\Omega/V$ or more to limit current. When connecting multiple film capacitors in parallel in withstand voltage test or life test, connect a resistance of $20\Omega/V$ to $1000\Omega/V$ or more in series to each capacitor.

5. 焊锡作业

(1) 有引线型的电容焊锡

1) 用电烙铁和焊锡槽进行焊锡时，热量会随着引线进入到电容器内部。请严格按照以下条件进行作业。当进行第二次焊接时，必须等到首次焊接作业完成后，电容器本体返回到常温时再进行（自然放置约30分钟）。

2) 当与贴片电容混合使用时，焊锡条件会发生变化。详细请与我们联系。

Soldering resistance

(1) Soldering for leaded components

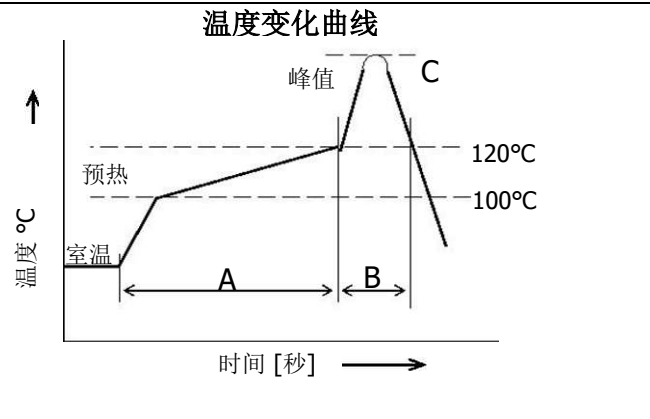
1) Because soldering allows for the thermal conduction through the capacitor lead wires into the capacitor itself, extreme care should always be taken in maintaining the proper soldering parameters. The figures below give examples of recommended time/temperature soldering profiles for use with plastic film capacitors. When dipped twice in the solder bath, the second dipping must be after the capacitor surface temperature comes down to the room temperature (around 30 minutes by natural cooling).

2) In the case of soldering conditions shall differ from the normal conditions. Please contact NISSEI for assistance.

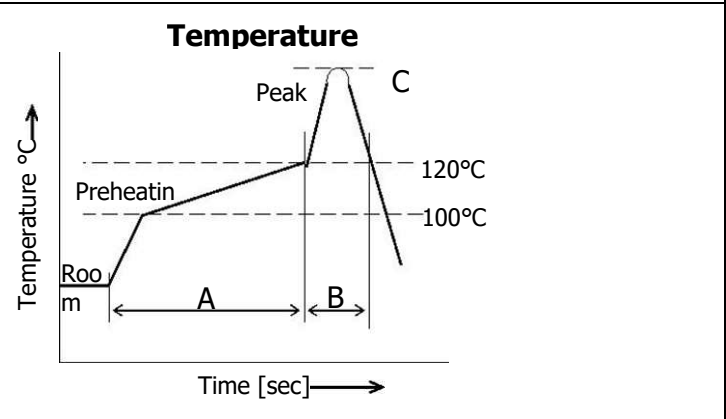
1. 使用电烙铁时 When use with soldering iron	
聚酯薄膜电容器 Polyester film capacitors	烙铁头温度：350℃以下，焊锡时间：5秒以内 Iron tip temperature : Less than 350℃、Soldering time : Within 5 seconds
聚丙烯薄膜电容器 Polypropylene film capacitors	烙铁头温度：350℃以下，焊锡时间：3秒以内 Iron tip temperature : Less than 350℃、Soldering time : Within 3 seconds
2. 使用焊锡槽时 For the use in solder bath	
适用型号/Type C3-	适用型号/Type C1-/C2-/C6-
<p>预热时间120℃ 90秒 Pre heat 120℃ 90sec</p> <p>焊锡温度℃ Solder temp. °C</p> <p>焊锡时间 (秒) Soldering time (sec)</p>	<p>预热时间120℃ 60秒 Pre heat 120℃ 60sec</p> <p>焊锡温度℃ Solder temp. °C</p> <p>焊锡时间 (秒) Soldering time (sec)</p>

3.波峰焊 Wave flow soldering

A: 预热温度120°C,加热时间为100秒以内,温度上升速度为2°C/秒。
B: 浸渍时间2-4秒
C: 峰值温度为260°C, 0.5秒以内。



A: Preheating shall be 120°C or less. Soldering time shall be within 100 seconds, Temp. rise gradient 2°C/sec (A)
B: Dipping time 2-4 sec
C: Peak temperature 260°C, Peak-temp. hold time 0.5sec or less.



(3) 电烙铁焊锡时

- ①焊锡时, 请勿使电烙铁直接接触电容器。
- ②在基板侧将焊锡丝溶化, 并与电容器芯子融合。
- ③锡与电容器芯子融合时, 要迅速撤去烙铁头。
- ④烙铁头最高温度270°C, 最长时间4秒。将锡的溶融量控制在最小范围内。
- ⑤从基板上取下来的电容器请勿再使用。

(3) Iron Soldering

- ①Do not contact the capacitor element with the iron directly.
- ②Melt the solder on the PC board and then put the capacitor on it.
- ③The iron must be taken away as soon as the solder has taken on the capacitor.
- ④The tip of the soldering iron shall be 270°C max, 4 sec. max.
- ⑤Please avoid the reuse of the product which is soldered on PC board once.

6.溶剂的使用

使用以清洗为目的溶剂时, 请选择异丙醇酒精的产品, 并进行快速清洗和干燥。

Usage of solvent

When cleaning PC board, the use of alcohol type solvents (isopropyl alcohol, etc.) is recommended. PC boards should be dried quickly after the cleaning process is completed.

7.电容器的使用

1) 避免用烙铁头, 镊子等尖锐物品强烈接触。否则有可能会短导致短路和断线。

Physical handling of capacitors

1) Do not apply to strongly to the capacitor sharp edges of chassis, soldering irons and other used in the assembly tweezers, of electronic circuit. Any strong physical contact with the capacitor could result in severe damage to the termination or dielectric causing either a short or open circuit.

2) 要将电容器固定时, 请使用阻燃性材料。

2) When physically fixing the capacitors, use the flame retardant materials.

3) 电容器应保管在-10~+40°C室温下, 相对湿度70%以下, 应避免温度剧烈变化, 阳光直射和腐蚀性, 温度剧烈变化, 阳光直射和腐蚀性气体。在不拆开原包装的基础上, 对于存放两年以上的散装品或存放一年以上的编带品, 在使用前请先检查电气性能和可焊性。

3) Storing conditions shall be inside the room at -10~+40°C with RH 70% or less. Avoid steep temperature changes, direct exposure to the sun beams or corrosive atmosphere Under the unchanging primal package, capacitors stored more than two years in bulk or stored more than a year in taping, please check their electric characteristics and solder ability before use.

4) 作为样品取得的电容器, 请不要用在市场销售的产品中。

4) Capacitors obtained as sample shall not be used in the field.

8. 阻燃性以及其它

Flame resistance(retardant) and others

1) 取得UL94-0认证阻燃性树脂的型号有
金属化聚酯膜: C3-
聚丙烯膜: C1-
金属化聚丙烯膜: C2-/C6-

1) Flame retardant resin approved to UL94V-O is being used as the exterior coating resin in C3- (metallized polyester), C1- (polypropylene), C2-/C6- (metallized polypropylene)

2) 所有产品的制造工序均未使用含溴阻燃材料和蒙特利尔公约所禁用的破坏臭氧层材料。

2) Specific bromes flame retardant and Ozone depleting substances limited by Montreal protocol are not being used in manufacturing process of per products.

3) 使用前, 请确认使用注意事项。并取得产品规格书, 在规格书规定的条件范围内使用。

3) When using these capacitors, limits shown if the Instruction for Handling as well as in technical specifications shall not be exceeded. If in doubt, please consult us.

9. 储存条件

Storage conditions

1) 由于大气中存在氯化物、氢硫化物、硫酸物质等, 所以产品贮存在大气中, 必须注意引出端的可焊性会变差。

1) It must be noted that the solder ability of the terminals may be deteriorated when stored in an atmosphere filled with moisture, dust, or a reactive oxidizing gas. (Hydrogen chloride, hydrogen sulfide, sulfuric acid, etc.)

2) 产品不能暴露在高温和高湿状态, 必须保存在以下环境中: (在不拆开原包装的基础上)

2) It shouldn't be located in particularly high temperature and high humidity, it must submit to the following conditions(unchanging primal package):

温度: -40°C 到 35°C;

Temperature: -40°C to 35°C

湿度: 年平均值不超过65%RH

Humidity: Average per year ≤65%RH

全年任意30天不超过75%RH

For 30 full days randomly distributed throughout the year ≤75%RH

引线式产品贮存时间(从产品包装或产品本体上的日期算起):

Storage time for tinned lead wire: (from the date marked on the capacitor's body or the label glued to the package):

散装产品(塑料袋包装): 不超过24个月。

Bulk(packed with plastic bag): ≤24 months;

径编和排列产品: 不超过12个月。

Taping and line up: ≤12 months

10. 绿色产品

Green Products

RoHS符合性

创仕鼎公司所有的产品均符合RoHS指令。

RoHS Compliance

All the items under RoHS

三、容许峰值电流值

经电容器的峰值电流必须控制在以下所示的范围内。且有效电流值也不能超过各型号分别给出的针对频率数的容许电流特性值。

◆单发峰值电流，是指电源ON/OFF时突进的电流，设想非重复电流时的充放电试验值。最高可承受10,000次。

◆连续峰值电流，是指重复出现的电流值。但请注意电容器因电流产生的自热现象。

◆如超出以下所示的电流值或单发超过10,000回时，请与我们联系。

Permissible peak current(Pulse current)

Current applied to the capacitor should be restrained by peak currents specified here. Effective current should be permissible to permissible current values against frequency also be limited per capacitor type.

■Single Peak Current obtained in charge and discharge tests applies non continual pulses from on/off switches and is applicable up to 10,000 separate pulses.

■Continual Peak Current applies repetitive frequent pulses. Beware of self heating of the capacitor.

■In case operating current may exceed the below values or pulses may exceed 10,000 times, please seek our consultation.

■ 产品型号体系 Part number

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
C	2	1															

1~3位： 型号代码

C21=CBB21

4~6位： 标称容量

如：104=10×10⁴PF=0.1uF

7~10位： 内部特征码

11位： 容量偏差

J=±5%、K=±10%、M=±20%

12~13位： 额定电压

2K=200V、2N=250V、2W=400V

K2=200VAC、N2=250VAC...

14位： 电极

A=0.5CP、B=0.6CP、C=0.8CP

1=0.5CU、2=0.6CU、3=0.8CU

4=1.0CU、5=1.2CU

15位： 脚型

A=直脚、B=直K脚、C=外K

D=内K

16~18位： 脚长

Digit 1~3: Series code

C21=CBB21

Digit 4~6: Rated capacitance value

Example: 104=10×10⁴PF=0.1uF

Digit 7~10: Internal use

Digit 11: Capacitance tolerance

J=±5%、K=±10%、M=±20%

Digit 13~14: Rated voltage

2K=200V、2N=250V、2W=400V

K2=200VAC、N2=250VAC...

Digit 12: Electrode

A=0.5CP、B=0.6CP、C=0.8CP

1=0.5CU、2=0.6CU、3=0.8CU

4=1.0CU、5=1.2CU

Digit 15: Lead kinked

A=Straight Lead、B= Straight K、C= Out K、D=Inside K、

Digit 16~18: Lead length

■ 引脚切脚、成型切脚 Lead cut and forming lead cut

		第 15 位、Digit 15							
形状 Style	Lead kinked								
	F(mm)								
P(mm)	5.0	7.5	10.0	15.0	20.0	22.5	27.5		
7.5	D	A/B	C	-	-	-	-		
10	-	D	A/B	C	-	-	-		
15	-		D	A/B	C		-		
20	-	-	-	D	A/B	C			
22.5	-	-	-		D	A/B	C		
27.5	-	-	-			D	A/B		

第 16~18 位、Digit 16~18	
Straight lead cut	
剪切长度 L(mm)	记号 Symbol
2.8	028
3.2	032
...	...
常规	000
...	...
35	350

◇ 有关成型引线，其它的引线剪切也可以处理，请与我们联系。

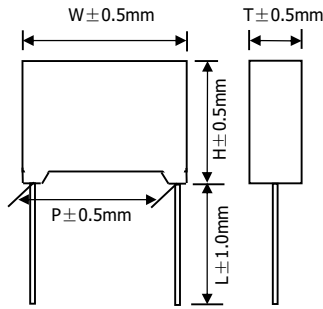
Other cut length is also available for forming lead. Please consult our sales offices.

◇ 其它形状的引线成型也可以处理，请与我们联系。

Other forming style is also available. Please consult our sales offices.

C12 系列 SERIES

■ 外形图



■ 特点

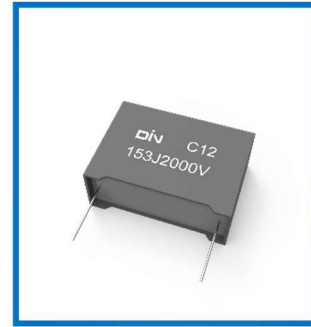
- 高脉冲强度
- 自愈合性能
- 优异的阻燃、防潮性能

■ 主要用途

- 适用于高脉冲、大电流电路
- 适用于电子镇流器

■ 技术参数 Technical Specifications

■ Outline Drawing



■ Features

- Very high pulse strength
- Self-healing properties
- Excellent flame retardant and moisture proof

■ Typical application

- Widely used in high pulse and high current loading circuit
- Suitable for electronic ballast

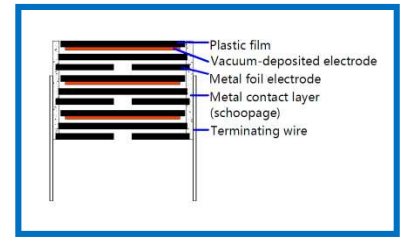
项目 Items	性能要求 Characteristics			
引用标准 Reference Standard	GB/T 14579 (IEC60384-17)			
气候类别 Climatic Category	40/105/21			
额定温度 Rate Temperature	85℃			
工作温度范围 p Operating Temperature Range	-40~105℃ (+85℃ to +105℃: decreasing factor 1.25% per °C for V _R (DC))			
额定电压 Rated Voltage	400V、630V、1000V、1250V、1600V、2000V			
电容量范围 Capacitance Range	0.00047μF~0.68μF			
容量偏差 Capacitance Tolerance	±5%(J) ; ±10%(K) ; (1kHz)			
耐电压 Voltage Proof	1.6*U _R (2S)			
损耗角正切 @20℃ Dissipation Factor	C _n ≤0.1uF	≤0.0004 (1kHz)	≤0.0004 (10kHz)	
	0.1uF<C _n ≤1.0uF	≤0.0004 (1kHz)	≤0.0006 (10kHz)	
	1.0uF<C _n	≤0.0004 (1kHz)	-----	
绝缘电阻 Insulation Resistance	≥30 000 MΩ (20℃,100VDC,1min)			
最大脉冲爬升速率: Maximum Pulse Rise Time(dv/dt): 若实际工作电压 U 比额定电压 U _R 低, 电容器工作在更高的 dv/dt 场合, 这样 dv/dt 允许值应为右表值乘以 U _R /U。 If the working voltage (U) is lower than the rated voltage(U _R), 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 U _R /U	U _R (V)	P=15	P=22.5	P=27.5
	400	7000	5000	4000
	630	12000	7000	5000
	1000	15000	11000	9000
	1250	27000	11000	9000
	1600	27000	17000	11000
2000	39000	21000	11000	

■ 产品结构

- 介 质: 聚丙烯箔式
- 电容器电极:
真空蒸镀+金属箔电极
- 内部结构:

■ Construction

- Dielectric: Polypropylene film/foil
- Capacitor electrodes:
Vacuum-deposited & foil
- Internal construction



■ 标准品一览表 Standard size

□: 容量偏差 Tolerance +: 脚型 Lead kinked

400VDC							630VDC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
0.0015	18.0	11.0	5.0	15.0	0.8	C12152**E*□2WC+000	0.0047	18.0	11.0	5.0	15.0	0.8	C12472**E*□25C+000
0.0022	“	12.0	6.0	“	“	C12222**E*□2WC+000	0.0068	“	“	“	“	“	C12682**E*□25C+000
0.0033	“	13.5	7.5	“	“	C12332**E*□2WC+000	0.010	“	“	“	“	“	C12103**E*□25C+000
0.0047	“	14.5	8.5	“	“	C12472**E*□2WC+000	0.015	“	12.0	6.0	“	“	C12153**E*□25C+000
0.033	26.5	15.0	6.0	22.5	“	C12333**G*□2WC+000	0.022	“	13.5	7.5	“	“	C12223**E*□25C+000
0.047	“	“	“	“	“	C12473**G*□2WC+000	0.033	“	14.5	8.5	“	“	C12333**E*□25C+000
0.068	“	16.5	7.0	“	“	C12683**G*□2WC+000	0.047	“	18.0	10	“	“	C12473**E*□25C+000
0.10	“	17.0	8.5	“	“	C12104**G*□2WC+000	0.033	26.5	15.0	6.0	22.5	“	C12333**G*□25C+000
0.15	“	19.0	10.0	“	“	C12154**G*□2WC+000	0.047	“	16.5	7.0	“	“	C12473**G*□25C+000
0.15	32.0	20.0	11.0	27.5	“	C12154**H*□2WC+000	0.068	“	17.5	8.5	“	“	C12683**G*□25C+000
0.22	“	22.0	“	“	“	C12224**H*□2WC+000	0.10	“	19.0	10.0	“	“	C12104**G*□25C+000
0.33	“	23.0	13.0	“	“	C12334**H*□2WC+000	0.15	“	22.0	12.0	“	“	C12154**G*□25C+000
0.47	“	28.0	18.0	“	“	C12474**H*□2WC+000	0.10	32.0	20.0	11.0	27.5	“	C12104**H*□25C+000
0.68	“	30.0	19.0	“	“	C12684**H*□2WC+000	0.15	“	22.0	“	“	“	C12154**H*□25C+000
							0.22	“	23.0	13.0	“	“	C12224**H*□25C+000
							0.33	“	25.0	15.0	“	“	C12334**H*□25C+000
							0.47	“	30.0	19.0	“	“	C12474**H*□25C+000
							0.68	“	“	“	“	“	C12684**H*□25C+000

◇ 备注: 特殊需要可根据客户要求另行设计

◇ Note: Special requirements can be designed according to customer requirements.

■ 标准品一览表 Standard size

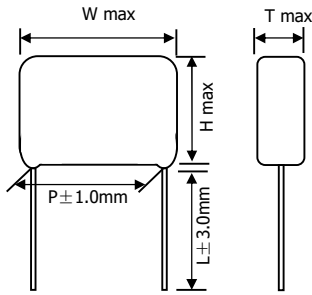
□: 容量偏差 Tolerance +: 脚型 Lead kinked

1000VDC							1250VDC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
0.0033	18.0	11.0	5.0	15	0.8	C12332**E*□3AC+000	0.0022	18.0	11.0	5.0	15.0	0.8	C12222**E*□3DC+000
0.0047	“	“	“	“	“	C12472**E*□3AC+000	0.0033	“	“	“	“	“	C12332**E*□3DC+000
0.0068	“	12.0	6.0	“	“	C12682**E*□3AC+000	0.0047	“	12.0	6.0	“	“	C12472**E*□3DC+000
0.010	“	13.5	7.5	“	“	C12103**E*□3AC+000	0.0068	“	13.5	7.5	“	“	C12682**E*□3DC+000
0.015	“	14.5	8.5	“	“	C12153**E*□3AC+000	0.010	“	14.5	8.5	“	“	C12103**E*□3DC+000
0.010	26.5	15.0	6.0	22.5	“	C12103**G*□3AC+000	0.010	26.5	15.0	6.0	22.5	“	C12103**G*□3DC+000
0.015	“	“	“	“	“	C12153**G*□3AC+000	0.015	“	16.5	7.0	“	“	C12153**G*□3DC+000
0.022	“	16.5	7.0	“	“	C12223**G*□3AC+000	0.022	“	17.5	8.5	“	“	C12223**G*□3DC+000
0.033	“	17.0	8.5	“	“	C12333**G*□3AC+000	0.033	“	19.0	10.0	“	“	C12333**G*□3DC+000
0.047	“	19.0	10.0	“	“	C12473**G*□3AC+000	0.033	32.0	20.0	11.0	27.5	“	C12333**H*□3DC+000
0.068	“	22.0	12.0	“	“	C12683**G*□3AC+000	0.047	“	22.0	“	“	“	C12473**H*□3DC+000
0.047	32.0	20.0	11.0	27.5	“	C12473**H*□3AC+000	0.068	“	23.0	13.0	“	“	C12683**H*□3DC+000
0.068	“	22.0	“	“	“	C12683**H*□3AC+000	0.10	“	25.0	15.0	“	“	C12104**H*□3DC+000
0.10	“	23.0	13.0	“	“	C12104**H*□3AC+000	0.15	“	30.0	19.0	“	“	C12154**H*□3DC+000
0.15	“	28.0	18.0	“	“	C12154**H*□3AC+000							
0.22	“	31.0	22.0	“	“	C12224**H*□3AC+000							
1600VDC							2000VDC						
0.0015	18.0	11.0	5.0	15	0.8	C12152**E*□3HC+000	0.00047	18.0	11.0	5.0	15	0.8	C12471**E*□3KC+000
0.0022	“	12.0	6.0	“	“	C12222**E*□3HC+000	0.00068	“	“	“	“	“	C12681**E*□3KC+000
0.0033	“	13.5	7.5	“	“	C12332**E*□3HC+000	0.0010	“	“	“	“	“	C12102**E*□3KC+000
0.0047	“	14.5	8.5	“	“	C12472**E*□3HC+000	0.0015	“	12.0	6.0	“	“	C12152**E*□3KC+000
0.0068	“	18.0	10.0	“	“	C12682**E*□3HC+000	0.0022	“	13.5	7.5	“	“	C12222**E*□3KC+000
0.0068	26.5	15.0	6.0	22.5	“	C12682**G*□3HC+000	0.0033	“	14.5	8.5	“	“	C12332**E*□3KC+000
0.010	“	16.5	7.0	“	“	C12103**G*□3HC+000	0.0033	26.5	15.0	6.0	22.5	“	C12332**G*□3KC+000
0.015	“	17.0	8.5	“	“	C12153**G*□3HC+000	0.0047	“	“	“	“	“	C12472**G*□3KC+000
0.022	“	19.0	10.0	“	“	C12223**G*□3HC+000	0.0068	“	16.5	7.0	“	“	C12682**G*□3KC+000
0.022	32.0	20.0	11.0	27.5	“	C12223**H*□3HC+000	0.010	“	17.0	8.5	“	“	C12103**G*□3KC+000
0.033	“	22.0	“	“	“	C12333**H*□3HC+000	0.015	“	19.0	10.5	“	“	C12153**G*□3KC+000
0.047	“	23.0	13.0	“	“	C12473**H*□3HC+000	0.015	32.0	20.0	11.0	27.5	“	C12153**H*□3KC+000
0.068	“	25.0	15.0	“	“	C12683**H*□3HC+000	0.022	“	22.0	11.0	“	“	C12223**H*□3KC+000
0.10	“	30.0	19.0	“	“	C12104**H*□3HC+000	0.033	“	23.0	13.0	“	“	C12333**H*□3KC+000
							0.047	“	28.0	18.0	“	“	C12473**H*□3KC+000

◇ 备注：特殊需要可根据客户要求另行设计
 ◇ Note: Special requirements can be designed according to customer requirements.

C13 系列 SERIES

■ 外形图



■ Outline Drawing



■ 特点

- 高频低损耗
- 优异的频率和温度特性
- 优异的阻燃、防潮性能

■ 主要用途

- 适用于高脉冲、大电流电路
- 适用于电子镇流器

■ 技术参数 Technical Specifications

■ Features

- Very small loss even at high frequency
- Excellent frequency and temperature characteristics
- Excellent flame retardant and moisture proof

■ Typical application

- Widely used in high pulse and high current loading circuit
- Suitable for electronic ballast

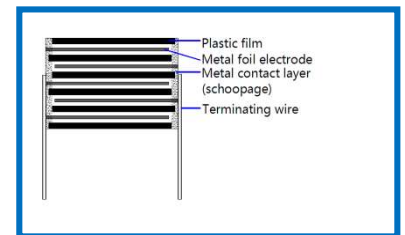
项目 Items	性能要求 Characteristics
引用标准 Reference Standard	GB/T 14579 (IEC60384-13)
气候类别 Climatic Category	40/105/21
额定温度 Rate Temperature	85℃
工作温度范围 Operating Temperature Range	-40~105℃ (+85℃ to +105℃: decreasing factor 1.25% per °C for V _R (DC))
额定电压 Rated Voltage	250V、400V、630V、800V
电容量范围 Capacitance Range	0.0010μF~0.1μF
容量偏差 Capacitance Tolerance	±5%(J) ; ±10%(K) (1kHz)
耐电压 Voltage Proof	2.0*U _R (5S)
损耗角正切 Dissipation Factor	≤10×10 ⁻⁴ (20℃;1kHz)
绝缘电阻 Insulation Resistance	≥100 000 MΩ (20℃,100VDC,1min)

■ 产品结构

- 介 质：聚丙烯箔式
- 电容器电极：金属箔电极
- 内部结构：

■ Construction

- Dielectric: Polypropylene film/foil
- Capacitor electrodes: Vacuum-deposited & foil
- Internal construction



■ 标准品一览表 Standard size

□: 容量偏差 Tolerance +: 脚型 Lead kinked

250VDC							400VDC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
0.0010	12.0	9.5	5.5	10	0.6	C13102**C*□2NB+000	0.0010	12.0	10.0	6.0	10.0	0.6	C13102**C*□2WB+000
0.0012	“	10.0	6.0	“	“	C13122**C*□2NB+000	0.0012	“	10.5	6.5	“	“	C13122**C*□2WB+000
0.0015	“	“	6.5	“	“	C13152**C*□2NB+000	0.0015	“	“	“	“	“	C13152**C*□2WB+000
0.0016	“	10.5	“	“	“	C13162**C*□2NB+000	0.0016	“	10.0	6.0	“	“	C13162**C*□2WB+000
0.0018	“	“	“	“	“	C13182**C*□2NB+000	0.0018	“	“	6.5	“	“	C13182**C*□2WB+000
0.0020	“	9.5	5.5	“	“	C13202**C*□2NB+000	0.0020	“	9.0	5.5	“	“	C13202**C*□2WB+000
0.0022	“	“	“	“	“	C13222**C*□2NB+000	0.0022	“	9.5	“	“	“	C13222**C*□2WB+000
0.0024	“	“	“	“	“	C13242**C*□2NB+000	0.0024	“	“	“	“	“	C13242**C*□2WB+000
0.0027	“	10.0	6.0	“	“	C13272**C*□2NB+000	0.0027	“	“	“	“	“	C13272**C*□2WB+000
0.0030	“	“	“	“	“	C13302**C*□2NB+000	0.0030	“	“	6.0	“	“	C13302**C*□2WB+000
0.0033	“	“	“	“	“	C13332**C*□2NB+000	0.0033	“	10.0	“	“	“	C13332**C*□2WB+000
0.0036	“	10.5	6.5	“	“	C13362**C*□2NB+000	0.0036	“	11.0	5.5	“	“	C13362**C*□2WB+000
0.0039	“	“	“	“	“	C13392**C*□2NB+000	0.0039	“	“	6.0	“	“	C13392**C*□2WB+000
0.0043	“	10.0	6.0	“	“	C13432**C*□2NB+000	0.0043	“	“	“	“	“	C13432**C*□2WB+000
0.0047	“	“	“	“	“	C13472**C*□2NB+000	0.0047	“	11.5	“	“	“	C13472**C*□2WB+000
0.0051	“	10.5	6.5	“	“	C13512**C*□2NB+000	0.0049	“	“	“	“	“	C13492**C*□2WB+000
0.0056	“	“	“	“	“	C13562**C*□2NB+000	0.0051	“	“	6.5	“	“	C13512**C*□2WB+000
0.0062	“	“	7.0	“	“	C13622**C*□2NB+000	0.0056	“	“	“	“	“	C13562**C*□2WB+000
0.0068	“	11.0	“	“	“	C13682**C*□2NB+000	0.0062	“	12.0	“	“	“	C13622**C*□2WB+000
0.0075	“	10.5	6.5	“	“	C13752**C*□2NB+000	0.0068	“	“	7.0	“	“	C13682**C*□2WB+000
0.0082	“	“	“	“	“	C13822**C*□2NB+000	0.0075	“	“	“	“	“	C13752**C*□2WB+000
0.0091	“	“	“	“	“	C13912**C*□2NB+000	0.0082	“	12.5	“	“	“	C13822**C*□2WB+000
0.010	“	11.0	7.0	“	“	C13103**C*□2NB+000	0.0091	“	“	7.5	“	“	C13912**C*□2WB+000
0.012	17.0	“	6.0	15	“	C13123**E*□2NB+000	0.010	“	13.0	8.0	“	“	C13103**C*□2WB+000
0.015	“	11.5	“	“	“	C13153**E*□2NB+000							
0.016	“	“	6.5	“	“	C13163**E*□2NB+000							
0.018	“	“	“	“	“	C13183**E*□2NB+000							
0.020	“	12.0	“	“	“	C13203**E*□2NB+000							
0.022	“	“	7.0	“	“	C13223**E*□2NB+000							
0.024	“	13.5	6.5	“	“	C13243**E*□2NB+000							
0.027	“	“	7.0	“	“	C13273**E*□2NB+000							
0.030	“	14.0	“	“	“	C13303**E*□2NB+000							
0.033	“	“	7.5	“	“	C13333**E*□2NB+000							
0.036	“	14.5	“	“	“	C13363**E*□2NB+000							
0.039	“	“	8.0	“	“	C13283**E*□2NB+000							
0.043	“	15.0	“	“	“	C13433**E*□2NB+000							
0.047	“	15.5	8.5	“	“	C13473**E*□2NB+000							
0.051	22.0	“	7.5	20	0.8	C13513**E*□2NC+000							
0.056	“	16.0	8.0	“	“	C13563**E*□2NC+000							
0.062	“	“	“8.5	“	“	C13623**E*□2NC+000							
0.068	“	16.5	“	“	“	C13683**E*□2NC+000							
0.075	“	17.0	9.0	“	“	C13753**E*□2NC+000							
0.082	“	“	9.5	“	“	C13823**E*□2NC+000							
0.091	“	17.5	“	“	“	C13913**E*□2NC+000							
0.1	“	18.0	10.0	“	“	C13104**E*□2NC+000							

◇ 备注：特殊需要可根据客户要求另行设计

◇ Note: Special requirements can be designed according to customer requirements.

■ 标准品一览表 Standard size

□: 容量偏差 Tolerance +: 脚型 Lead kinked

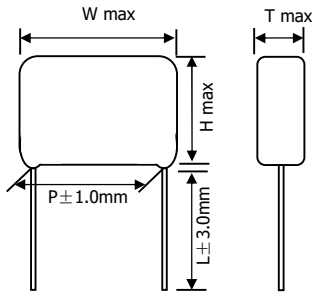
630VDC							800VDC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
0.0010	9.5	8.0	4.0	7.5	0.6	C13102**E*□25B+000	0.0010	11.5	8.5	4.5	10.0	0.6	C13102**E*□28B+000
0.0012	“	“	“	“	“	C13122**E*□25B+000	0.0012	“	“	“	“	“	C13122**E*□28B+000
0.0015	11.5	9.0	4.5	“	“	C131152**E*□25B+000	0.0015	“	9.0	“	“	“	C131152**E*□28B+000
0.0016	“	9.5	5.0	“	“	C131162**E*□25B+000	0.0016	“	9.5	5.0	“	“	C131162**E*□28B+000
0.0018	“	10.0	5.0	“	“	C13182**E*□25B+000	0.0018	“	10.0	“	“	“	C13182**E*□28B+000
0.0020	“	“	“	“	“	C13202**E*□25B+000	0.0020	“	“	“	“	“	C13202**E*□28B+000
0.0022	“	10.5	5.5	“	“	C13222**E*□25B+000	0.0022	“	10.5	5.5	“	“	C13222**E*□28B+000
0.0024	“	“	“	“	“	C13242**E*□25B+000	0.0024	“	“	“	“	“	C13242**E*□28B+000
0.0027	“	“	“	“	“	C13272**E*□25B+000	0.0027	“	“	“	“	“	C13272**E*□28B+000
0.0030	“	11.0	“	“	“	C13302**E*□25B+000	0.0030	“	11.5	6.0	“	“	C13302**E*□28B+000
0.0033	“	“	“	“	“	C13332**E*□25B+000	0.0033	“	“	“	“	“	C13332**E*□28B+000
0.0036	“	“	“	“	“	C13362**E*□25B+000	0.0036	“	“	“	“	“	C13362**E*□28B+000
0.0039	“	“	“	“	“	C13392**E*□25B+000	0.0039	“	11.0	“	“	“	C13392**E*□28B+000
0.0043	“	“	6.0	“	“	C13432**E*□25B+000	0.0043	“	“	“	“	“	C13432**E*□28B+000
0.0047	“	“	“	“	“	C13472**E*□25B+000	0.0047	“	“	“	“	“	C13472**E*□28B+000
0.0049	“	“	“	“	“	C13492**E*□25B+000	0.0049	“	“	“	“	“	C13492**E*□28B+000
0.0051	“	11.5	“	“	“	C13512**E*□25B+000	0.0051	“	11.5	6.5	“	“	C13512**E*□28B+000
0.0056	“	“	6.5	“	“	C13562**E*□25B+000	0.0056	“	“	“	“	“	C13562**E*□28B+000
0.0062	“	“	“	“	“	C13622**E*□25B+000	0.0062	“	“	“	“	“	C13622**E*□28B+000
0.0068	“	“	“	“	“	C13682**E*□25B+000	0.0068	“	“	7.0	“	“	C13682**E*□28B+000
0.0075	“	12.0	7.0	“	“	C13752**E*□25B+000	0.0075	“	12.0	“	“	“	C13752**E*□28B+000
0.0082	“	“	“	“	“	C13822**E*□25B+000	0.0082	“	“	“	“	“	C13822**E*□28B+000
0.0091	17.0	10.0	5.0	15.0	“	C13912**E*□25B+000	0.0091	17.0	10.0	5.0	15.0	“	C13912**E*□28B+000
0.010	“	“	5.5	“	0.8	C13103**E*□25C+000	0.010	“	11.0	6.0	“	0.8	C13103**E*□28C+000

◇ 备注：特殊需要可根据客户要求另行设计

◇ Note: Special requirements can be designed according to customer requirements.

C14 系列 SERIES

■ 外形图



■ Outline Drawing



■ 特点

- 损耗小、内部温升小
- 负电容量温度系数
- 优异的阻燃、防潮性能

■ Features

- Low dissipation factor ,Low temperature rise inside
- Negative temperature coefficient of capacitance
- Excellent flame retardant and moisture proof

■ 主要用途

- 适用于高脉冲、大电流电路
- 适用于电子镇流器

■ Typical application

- Widely used in high pulse and high current loading circuit
- Suitable for electronic ballast

■ 技术参数 Technical Specifications

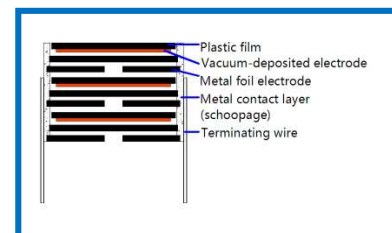
项目 Items	性能要求 Characteristics	
引用标准 Reference Standard	GB/T 14579 (IEC60384-17)	
气候类别 Climatic Category	40/105/21	
额定温度 Rate Temperature	85°C	
工作温度范围 Operating Temperature Range	-40~105°C (+85°C to +105°C: decreasing factor 1.25% per °C for V _R (DC))	
额定电压 Rated Voltage	630V、1000V、1250V、1600V、2000V	
电容量范围 Capacitance Range	0.001μF~0.036μF	
容量偏差 Capacitance Tolerance	±5%(J) ; ±10%(K) (1kHz)	
耐电压 Voltage Proof	1.6*U _R (5S)	
损耗角正切 Dissipation Factor	≤10×10 ⁻⁴ (20°C;1kHz)	
绝缘电阻 Insulation Resistance	≥100 000 MΩ (20°C,100VDC,1min)	
最大脉冲爬升速率: Maximum Pulse Rise Time(dv/dt):若实际工作电压 U 比额定电压 U _R 低, 电容器工作在更高的 dv/dt 场合, 这样 dv/dt 允许值应为右表值乘以 U _R /U。 If the working voltage (U) is lower than the rated voltage(U _R), 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 U _R /U	U _R (V)	dv/dt(V/us) P=15
	630	11000
	1000/1250	28000
	1600	32000
	2000	35000

■ 产品结构

- 介 质: 聚丙烯箔式
- 电容器电极:
真空蒸镀+金属箔电极
- 内部结构:

■ Construction

- Dielectric: Polypropylene film/foil
- Capacitor electrodes:
Vacuum-deposited & foil
- Internal construction



■ 标准品一览表 Standard size

□: 容量偏差 Tolerance +: 脚型 Lead kinked

630VDC/400VAC							1000VDC/1250VDC/450VAC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
0.0010	18.0	10.0	5.7	15.0	0.8	C14102**E*□25C+000	0.0010	18.0	10.1	5.7	15.0	0.8	C14102**E*□3AC+000
0.0012	“	10.5	6.0	“	“	C14122**E*□25C+000	0.0012	“	10.5	6.0	“	“	C14122**E*□3AC+000
0.0015	“	11.0	6.5	“	“	C14152**E*□25C+000	0.0015	“	11.0	6.5	“	“	C14152**E*□3AC+000
0.0016	“	11.6	6.4	“	“	C14162**E*□25C+000	0.0016	“	11.6	6.4	“	“	C14162**E*□3AC+000
0.0018	“	11.9	6.7	“	“	C14182**E*□25C+000	0.0018	“	11.9	6.7	“	“	C14182**E*□3AC+000
0.0020	“	12.2	7.0	“	“	C14202**E*□25C+000	0.0020	“	12.2	7.0	“	“	C14202**E*□3AC+000
0.0022	“	12.5	7.3	“	“	C14222**E*□25C+000	0.0022	“	12.5	7.3	“	“	C14222**E*□3AC+000
0.0024	“	12.7	7.5	“	“	C14242**E*□25C+000	0.0024	“	12.7	7.5	“	“	C14242**E*□3AC+000
0.0027	“	13.1	7.9	“	“	C14272**E*□25C+000	0.0027	“	13.6	7.9	“	“	C14272**E*□3AC+000
0.0030	“	13.5	8.3	“	“	C14302**E*□25C+000	0.0030	“	14.0	8.3	“	“	C14302**E*□3AC+000
0.0033	“	13.8	8.6	“	“	C14332**E*□25C+000	0.0033	“	14.3	8.6	“	“	C14332**E*□3AC+000
0.0036	“	11.7	6.5	“	“	C14362**E*□25C+000	0.0036	“	11.7	6.5	“	“	C14362**E*□3AC+000
0.0039	“	12.0	6.7	“	“	C14392**E*□25C+000	0.0039	“	12.0	6.7	“	“	C14392**E*□3AC+000
0.0043	“	12.2	7.0	“	“	C14432**E*□25C+000	0.0043	“	12.2	7.0	“	“	C14432**E*□3AC+000
0.0047	“	12.5	7.3	“	“	C14472**E*□25C+000	0.0047	“	12.5	7.3	“	“	C14472**E*□3AC+000
0.0049	“	11.9	6.7	“	“	C14492**E*□25C+000	0.0049	“	12.6	7.4	“	“	C14492**E*□3AC+000
0.0051	“	12.0	6.8	“	“	C14512**E*□25C+000	0.0051	“	12.8	7.5	“	“	C14512**E*□3AC+000
0.0053	“	12.1	6.9	“	“	C14532**E*□25C+000	0.0053	“	12.9	7.7	“	“	C14532**E*□3AC+000
0.0056	“	11.5	6.2	“	“	C14562**E*□25C+000	0.0056	“	12.1	6.9	“	“	C14562**E*□3AC+000
0.0060	“	11.6	6.4	“	“	C14602**E*□25C+000	0.0060	“	12.3	7.1	“	“	C14602**E*□3AC+000
0.0062	“	11.7	6.5	“	“	C14622**E*□25C+000	0.0062	“	12.4	7.2	“	“	C14622**E*□3AC+000
0.0065	“	11.8	6.6	“	“	C14652**E*□25C+000	0.0065	“	12.6	7.4	“	“	C14652**E*□3AC+000
0.0068	“	12.0	6.8	“	“	C14682**E*□25C+000	0.0068	“	12.7	7.5	“	“	C14682**E*□3AC+000
0.0072	“	12.1	6.9	“	“	C14722**E*□25C+000	0.0072	“	12.9	7.7	“	“	C14722**E*□3AC+000
0.0075	“	12.2	7.0	“	“	C14752**E*□25C+000	0.0075	“	13.5	7.8	“	“	C14752**E*□3AC+000
0.0078	“	12.4	7.1	“	“	C14782**E*□25C+000	0.0078	“	13.7	8.0	“	“	C14782**E*□3AC+000
0.0082	“	12.5	7.3	“	“	C14822**E*□25C+000	0.0082	“	13.9	8.1	“	“	C14822**E*□3AC+000
0.0084	“	12.6	7.4	“	“	C14842**E*□25C+000	0.0084	“	13.9	8.2	“	“	C14842**E*□3AC+000
0.0091	“	12.8	7.6	“	“	C14912**E*□25C+000	0.0091	“	14.2	9.0	“	“	C14912**E*□3AC+000
0.010	“	13.2	8.0	“	“	C14103**E*□25C+000	0.010	“	14.6	9.4	“	“	C14103**E*□3AC+000
0.012	“	11.4	6.2	“	“	C14123**E*□25C+000	0.012	“	15.4	10.2	“	“	C14123**E*□3AC+000
0.015	“	12.0	6.8	“	“	C14153**E*□25C+000	0.015	“	14.9	9.7	“	“	C14153**E*□3AC+000
0.018	“	12.6	7.4	“	“	C14183**E*□25C+000	0.018	“	15.7	10.5	“	“	C14183**E*□3AC+000
0.022	“	13.8	8.1	“	“	C14223**E*□25C+000	0.022	“	16.7	11.5	“	“	C14223**E*□3AC+000
0.024	“	14.1	8.4	“	“	C14243**E*□25C+000							
0.027	“	14.6	8.9	“	“	C14273**E*□25C+000							
0.033	“	16.4	9.1	“	“	C14333**E*□25C+000							
0.036	“	16.8	9.5	“	“	C14363**E*□25C+000							

◇ 备注：特殊需要可根据客户要求另行设计

◇ Note: Special requirements can be designed according to customer requirements.

■ 标准品一览表 Standard size

□: 容量偏差 Tolerance +: 脚型 Lead kinked

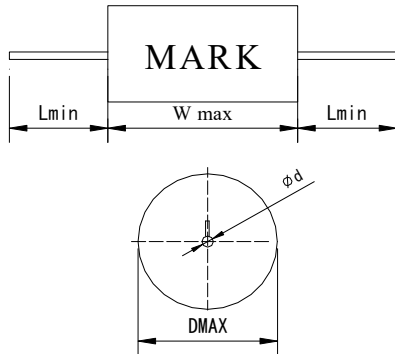
1600VDC/450VAC							2000VDC/500VAC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
0.0010	18.0	10.4	6.0	15.0	0.8	C14102**E*□3HC+000	0.0010	18.0	10.4	6.0	15.0	0.8	C14102**E*□3KC+000
0.0012	“	10.8	6.4	“	“	C14122**E*□3HC+000	0.0012	“	10.8	6.4	“	“	C14122**E*□3KC+000
0.0015	“	11.3	6.9	“	“	C14152**E*□3HC+000	0.0015	“	11.3	6.9	“	“	C14152**E*□3KC+000
0.0016	“	12.0	6.8	“	“	C14162**E*□3HC+000	0.0016	“	12.0	6.8	“	“	C14162**E*□3KC+000
0.0018	“	12.3	7.1	“	“	C14182**E*□3HC+000	0.0018	“	12.3	7.1	“	“	C14182**E*□3KC+000
0.0020	“	12.7	7.4	“	“	C14202**E*□3HC+000	0.0020	“	12.7	7.4	“	“	C14202**E*□3KC+000
0.0022	“	12.9	7.7	“	“	C14222**E*□3HC+000	0.0022	“	12.9	7.7	“	“	C14222**E*□3KC+000
0.0024	“	13.7	8.0	“	“	C14242**E*□3HC+000	0.0024	“	11.8	6.6	“	“	C14242**E*□3KC+000
0.0027	“	11.4	6.2	“	“	C14272**E*□3HC+000	0.0027	“	12.1	6.9	“	“	C14272**E*□3KC+000
0.0030	“	11.7	6.5	“	“	C14302**E*□3HC+000	0.0030	“	12.4	7.2	“	“	C14302**E*□3KC+000
0.0033	“	11.9	6.7	“	“	C14332**E*□3HC+000	0.0033	“	12.7	7.5	“	“	C14332**E*□3KC+000
0.0036	“	11.4	6.2	“	“	C14362**E*□3HC+000	0.0036	“	12.2	7.0	“	“	C14362**E*□3KC+000
0.0039	“	11.6	6.4	“	“	C14392**E*□3HC+000	0.0039	“	12.4	7.2	“	“	C14392**E*□3KC+000
0.0043	“	11.8	6.6	“	“	C14432**E*□3HC+000	0.0043	“	12.7	7.5	“	“	C14432**E*□3KC+000
0.0047	“	12.1	6.9	“	“	C14472**E*□3HC+000	0.0047	“	13.5	7.8	“	“	C14472**E*□3KC+000
0.0049	“	12.2	7.0	“	“	C14492**E*□3HC+000	0.0049	“	13.7	8.0	“	“	C14492**E*□3KC+000
0.0051	“	12.3	7.1	“	“	C14512**E*□3HC+000	0.0051	“	13.8	8.1	“	“	C14512**E*□3KC+000
0.0053	“	12.4	7.2	“	“	C14532**E*□3HC+000	0.0053	“	13.9	8.2	“	“	C14532**E*□3KC+000
0.0056	“	12.6	7.4	“	“	C14562**E*□3HC+000	0.0056	“	14.2	8.4	“	“	C14562**E*□3KC+000
0.0060	“	12.8	7.6	“	“	C14602**E*□3HC+000	0.0060	“	14.4	9.2	“	“	C14602**E*□3KC+000
0.0062	“	12.9	7.7	“	“	C14622**E*□3HC+000	0.0062	“	14.5	9.3	“	“	C14622**E*□3KC+000
0.0065	“	13.6	7.9	“	“	C14652**E*□3HC+000	0.0065	“	14.7	9.5	“	“	C14652**E*□3KC+000
0.0068	“	13.7	8.0	“	“	C14682**E*□3HC+000	0.0068	“	14.9	9.7	“	“	C14682**E*□3KC+000
0.0072	“	13.9	8.2	“	“	C14722**E*□3HC+000	0.0072	“	15.2	9.9	“	“	C14722**E*□3KC+000
0.0075	“	14.1	8.4	“	“	C14752**E*□3HC+000	0.0075	“	15.3	10.1	“	“	C14752**E*□3KC+000
0.0078	“	14.2	9.0	“	“	C14782**E*□3HC+000	0.0078	“	15.5	10.3	“	“	C14782**E*□3KC+000
0.0082	“	14.4	9.2	“	“	C14822**E*□3HC+000	0.0082	“	15.7	10.5	“	“	C14822**E*□3KC+000
0.0084	“	14.5	9.3	“	“	C14842**E*□3HC+000	0.0084	“	15.8	10.6	“	“	C14842**E*□3KC+000
0.0091	“	14.9	9.6	“	“	C14912**E*□3HC+000	0.0091	“	16.2	11.0	“	“	C14912**E*□3KC+000
0.010	“	15.3	10.0	“	“	C14103**E*□3HC+000	0.010	“	16.7	11.5	“	“	C14103**E*□3KC+000
0.012	“	16.1	10.9	“	“	C14123**E*□3HC+000		“			“	“	

◇ 备注：特殊需要可根据客户要求另行设计

◇ Note: Special requirements can be designed according to customer requirements.

C20 系列 SERIES

■ 外形图



■ Outline Drawing



■ 特点

- 高频损耗小
- 内部温升小
- 优异的阻燃、防潮性能

■ Features

- High frequency and low dissipation factor
- Low temperature rise inside
- Excellent flame retardant and moisture proof

■ 主要用途

- 用于电源、音响分频等各种滤波、降噪和低脉冲电路中。

■ Typical application

- Widely used in all kinds of filter, suppression noise and low impulse circuit.

■ 技术参数 Technical Specifications

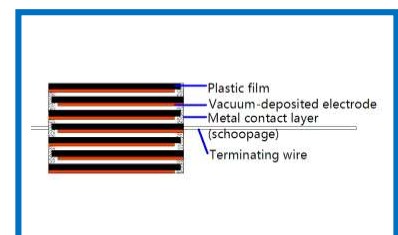
项目 Items	性能要求 Characteristics		
引用标准 Reference Standard	GB/T 10190 (IEC60384-16)		
气候类别 Climatic Category	40/85/21		
额定温度 Rate Temperature	85℃		
工作温度范围 Operating Temperature Range	-40~105℃ (+85℃ to +105℃: decreasing factor 1.25% per °C for VR(DC))		
额定电压 Rated Voltage	250V.AC、400V.AC		
电容量范围 Capacitance Range	1μF~40μF		
容量偏差 Capacitance Tolerance	±5%(J) ; ±10%(K) ; ±20% (M) (1kHz)		
耐电压 Voltage Proof	1.6*UR(5S)		
损耗角正切 Dissipation Factor	≤10×20 ⁻⁴ (20℃;1kHz)		
绝缘电阻 Insulation Resistance	UR > 100V	CR ≤ 0.33 μF ≥ 15000 MΩ CR > 0.33 μF ≥ 5000 S	20℃, 100VDC, 1min

■ 产品结构

- 介 质: 聚丙烯薄膜
- 电容器电极: 真空蒸镀电极
- 内部结构:

■ Construction

- Dielectric: Polypropylene film
- Capacitor electrodes: Vacuum-deposited
- Internal construction



■ 标准品一览表 Standard size

□: 容量偏差 Tolerance +: 脚型 Lead kinked

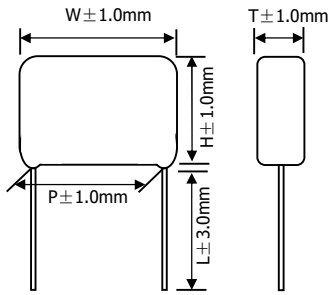
250VAC						400VAC					
C _N (uF)	尺寸 Dimensions(mm)				编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)				编号 Part No.
	D	W	L	d			D	W	L	d	
1.0	9.0	31.0	30	0.8	C20105**G*□N2F+000	1.0	13.0	31.0	30	0.8	C20105**G*□W2F+000
1.5	11.0	“	“	“	C20155**G*□N2F+000	1.5	15.0	“	“	“	C20155**G*□W2F+000
2.0	12.5	“	“	“	C20205**G*□N2F+000	2.0	19.0	“	“	“	C20205**G*□W2F+000
2.5	14.0	“	“	“	C20255**G*□N2F+000	2.5	21.0	“	“	“	C20255**G*□W2F+000
3.0	15.5	“	“	“	C20305**G*□N2F+000	3.0	18.0	46.0	“	1.0	C20305**I*□W2G+000
4.0	15.0	46.0	“	“	C20405**I*□N2F+000	4.0	21.0	“	“	“	C20405**I*□W2G+000
6.0	17.0	“	“	“	C20605**I*□N2F+000	5.0	22.0	“	“	“	C20505**I*□W2G+000
8.0	19.5	“	“	“	C20805**I*□N2F+000	6.0	25.5	“	“	“	C20605**I*□W2G+000
10.0	21.5	“	“	1.0	C20106**I*□N2G+000						

◇ 备注：特殊需要可根据客户要求另行设计

◇ Note: Special requirements can be designed according to customer requirements.

C21 系列 SERIES

■ 外形图



■ Outline Drawing



■ 特点

- 高频损耗小
- 内部温升小
- 优异的阻燃、防潮性能

■ Features

- High frequency and low dissipation factor
- Low temperature rise inside
- Excellent flame retardant and moisture proof

■ 主要用途

- 广泛用于高频、直流、交流和脉冲电路电源整流后滤波回路

■ Typical application

- Widely used in high frequency DC, AC and pulse circuit, Filtering circuit after rectified.

■ 技术参数 Technical Specifications

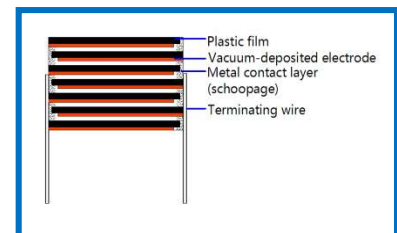
项目 Items	性能要求 Characteristics		
引用标准 Reference Standard	GB/T 10190 (IEC60384-16)		
气候类别 Climatic Category	40/105/21		
额定温度 Rate Temperature	85℃		
工作温度范围 Operating Temperature Range	-40~105℃ (+85℃to +105℃:decreasing factor 1.25% per °C for V _R (DC))		
额定电压 Rated Voltage	250V、400V、450V、630V、1000V		
电容量范围 Capacitance Range	0.01μF~10μF		
容量偏差 Capacitance Tolerance	±5%(J) ; ±10%(K) ; ±20% (M) (1kHz)		
耐电压 Voltage Proof	1.6*U _R (5S)		
损耗角正切 Dissipation Factor	≤10×10 ⁻⁴ (20℃;1kHz)		
绝缘电阻 Insulation Resistance	U _R >100V	CR ≤ 0.33 μF ≥15000 MΩ CR > 0.33 μF ≥5000 S	20℃, 100VDC,1min

■ 产品结构

- 介 质: 聚丙烯薄膜
- 电容器电极: 真空蒸镀电极
- 内部结构:

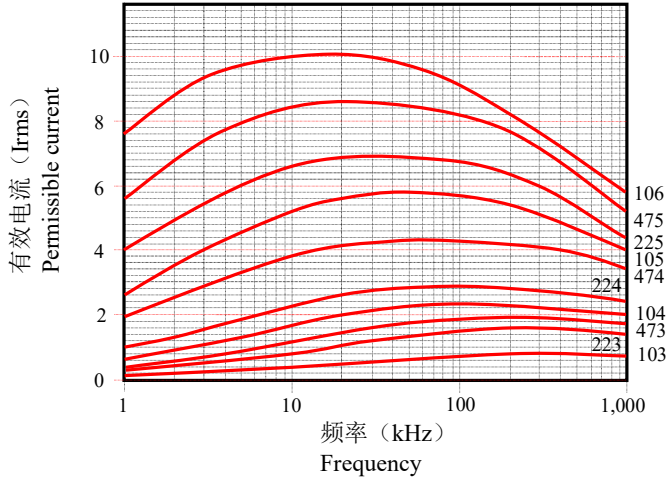
■ Construction

- Dielectric: Polypropylene film
- Capacitor electrodes: Vacuum-deposited
- Internal construction

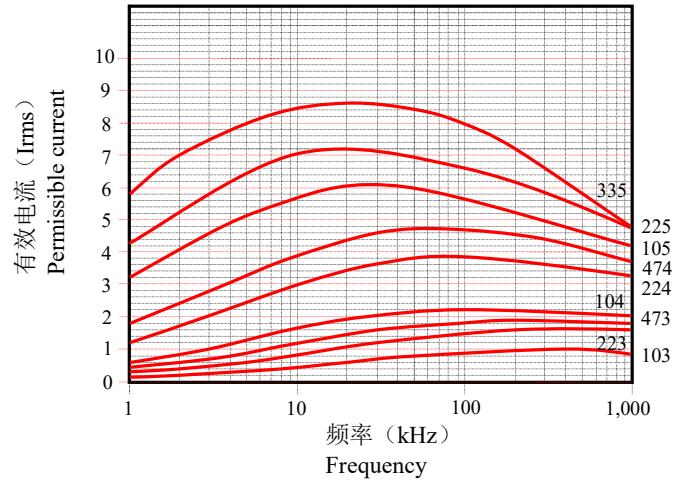


■ 相对于频率的允许电流 Permissible current for frequency

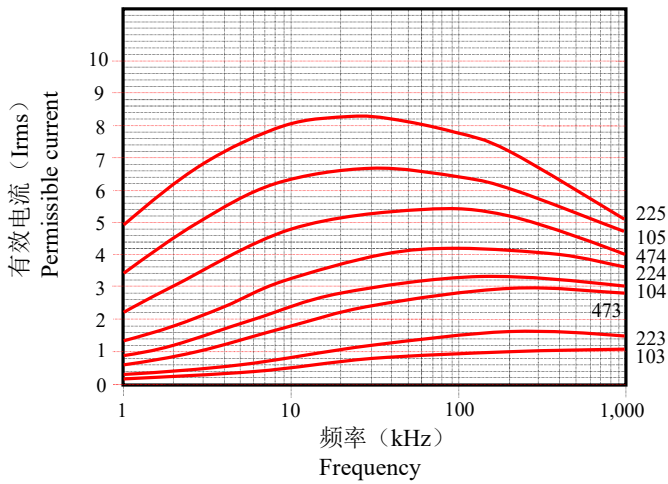
C21 250V



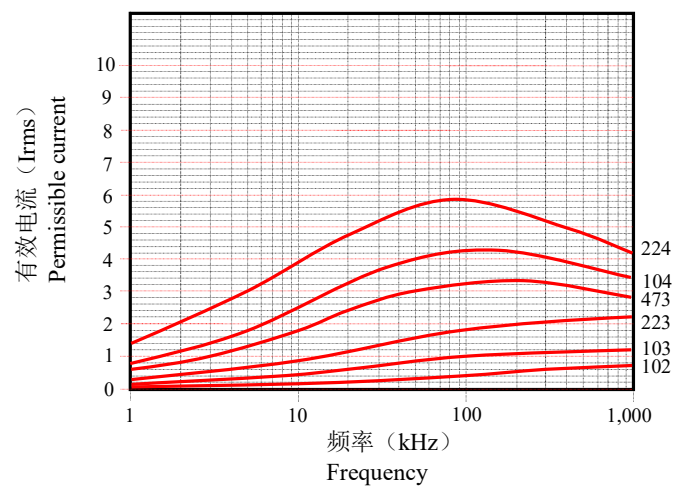
C21 400V



C21 630V



C21 1000V



■ 标准品一览表 Standard size

□: 容量偏差 Tolerance +: 脚型 Lead kinked

250VDC/160VAC							400VDC/450VDC/200VAC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
0.010	11.5	8.0	4.5	10.0	0.6	C21103**C*□2NB+000	0.010	11.5	8.0	4.5	10.0	0.6	C21103**C*□2WB+000
0.012	“	9.0	5.0	“	“	C21123**C*□2NB+000	0.012	“	9.0	5.0	“	“	C21123**C*□2WB+000
0.015	“	9.5	5.0	“	“	C21153**C*□2NB+000	0.015	“	9.5	5.0	“	“	C21153**C*□2WB+000
0.018	“	“	5.5	“	“	C21183**C*□2NB+000	0.018	“	“	5.5	“	“	C21183**C*□2WB+000
0.022	“	8.0	4.0	“	“	C21223**C*□2NB+000	0.022	“	8.0	4.0	“	“	C21223**C*□2WB+000
0.027	“	8.5	4.5	“	“	C21273**C*□2NB+000	0.027	“	8.5	4.5	“	“	C21273**C*□2WB+000
0.033	“	9.0	5.0	“	“	C21333**C*□2NB+000	0.033	“	9.0	5.0	“	“	C21333**C*□2WB+000
0.039	“	“	“	“	“	C21393**C*□2NB+000	0.039	“	“	“	“	“	C21393**C*□2WB+000
0.047	“	9.5	5.5	“	“	C21473**C*□2NB+000	0.047	“	9.5	5.5	“	“	C21473**C*□2WB+000
0.056	“	8.5	4.5	“	“	C21563**C*□2NB+000	0.056	“	8.5	4.5	“	“	C21563**C*□2WB+000
0.068	“	9.0	5.0	“	“	C21683**C*□2NB+000	0.068	“	9.0	5.0	“	“	C21683**C*□2WB+000
0.082	“	9.5	5.5	“	“	C21823**C*□2NB+000	0.082	“	9.5	5.5	“	“	C21823**C*□2WB+000
0.10	“	10.0	6.0	“	“	C21104**C*□2NB+000	0.10	“	10.0	6.0	“	“	C21104**C*□2WB+000
0.12	“	10.5	6.5	“	“	C21124**C*□2NB+000	0.12	“	10.5	6.5	“	“	C21124**C*□2WB+000
0.15	“	8.0	4.0	“	“	C21154**C*□2NB+000	0.15	16.5	7.5	4.5	15	0.8	C21154**E*□2WC+000
0.18	“	8.5	4.5	“	“	C21184**C*□2NB+000	0.18	“	8.0	5.0	“	“	C21184**E*□2WC+000
0.22	“	9.0	5.0	“	“	C21224**C*□2NB+000	0.22	“	8.5	5.5	“	“	C21224**E*□2WC+000
0.27	“	9.5	5.5	“	“	C21274**C*□2NB+000	0.27	“	9.5	6.0	“	“	C21274**E*□2WC+000
0.33	“	10.0	6.0	“	“	C21334**C*□2NB+000	0.33	“	10.0	6.5	“	“	C21334**E*□2WC+000
0.39	“	10.5	6.5	“	“	C21394**C*□2NB+000	0.39	“	11.5	7.0	“	“	C21394**E*□2WC+000
0.47	16.5	10.0	5.0	15.0	0.8	C21474**E*□2NC+000	0.47	“	13.5	7.0	“	“	C21474**E*□2WC+000
0.56	“	10.5	5.5	“	“	C21564**E*□2NC+000	0.56	21.5	12.5	6.0	20	“	C21564**E*□2WC+000
0.68	“	11.0	6.0	“	“	C21684**E*□2NC+000	0.68	“	13.5	6.5	“	“	C21684**E*□2WC+000
0.82	“	11.5	7.0	“	“	C21824**E*□2NC+000	0.82	“	14.0	7.5	“	“	C21824**E*□2WC+000
1.0	“	14.0	7.0	“	“	C21105**E*□2NC+000	1.0	“	15.0	8.5	“	“	C21105**E*□2WC+000
1.2	“	15.0	8.0	“	“	C21125**E*□2NC+000	1.2	“	17.0	8.5	“	“	C21125**E*□2WC+000
1.5	21.5	15.0	6.5	20.0	“	C21155**E*□2NC+000	1.5	“	18.0	10.0	“	“	C21155**E*□2WC+000
1.8	“	16.0	7.5	“	“	C21185**E*□2NC+000	1.8	23.5	18.5	9.5	22.5	“	C21185**G*□2WC+000
2.2	“	17.0	8.5	“	“	C21225**E*□2NC+000	2.2	28.5	19.0	9.5	27.5	“	C21225**H*□2WC+000
2.7	“	18.0	9.5	“	“	C21275**E*□2NC+000	2.7	“	20.5	10.5	“	“	C21275**H*□2WC+000
3.3	23.5	18.5	10.0	22.5	“	C21335**G*□2NC+000	3.3	“	21.5	12.0	“	“	C21335**H*□2WC+000
3.9	“	19.5	11.0	“	“	C21395**G*□2NC+000							
4.7	28.5	19.0	11.0	27.5	“	C21475**H*□2NC+000							
5.6	“	20.0	12.0	“	“	C21565**H*□2NC+000							
6.8	“	22.5	12.5	“	“	C21685**H*□2NC+000							
8.2	“	24.5	14.5	“	“	C21825**H*□2NC+000							
10.0	“	26.0	16.0	“	1.0	C21106**H*□2NG+000							

◇ 备注：特殊需要可根据客户要求另行设计

◇ Note: Special requirements can be designed according to customer requirements.

■ 标准品一览表 Standard size

□: 容量偏差 Tolerance +: 脚型 Lead kinked

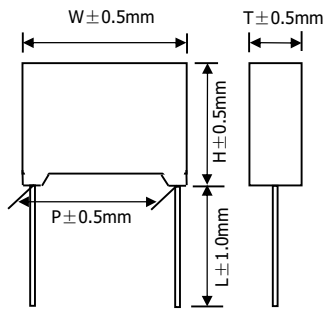
630VDC/250VAC							1000VDC/400VAC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
0.010	11.5	8.0	4.5	10.0	0.6	C21103**C*□25B+000	0.0010	9.5	7.0	4.0	7.5	0.6	C21102**B*□3AB+000
0.012	“	9.0	5.0	“	“	C21123**C*□25B+000	0.0012	“	“	“	“	“	C21122**B*□3AB+000
0.015	“	9.5	5.0	“	“	C21153**C*□25B+000	0.0015	“	“	“	“	“	C21152**B*□3AB+000
0.018	“	“	5.5	“	“	C21183**C*□25B+000	0.0018	“	“	“	“	“	C21182**B*□3AB+000
0.022	“	8.0	4.0	“	“	C21223**C*□25B+000	0.0022	“	“	“	“	“	C21222**B*□3AB+000
0.027	“	9.0	4.5	“	“	C21273**C*□25B+000	0.0027	“	“	“	“	“	C21272**B*□3AB+000
0.033	“	6.5	4.0	“	“	C21333**C*□25B+000	0.0033	“	“	“	“	“	C21332**B*□3AB+000
0.039	“	8.0	“	“	“	C21393**C*□25B+000	0.0039	“	7.5	“	“	“	C21392**B*□3AB+000
0.047	“	“	4.5	“	“	C21473**C*□25B+000	0.0047	“	“	“	“	“	C21472**B*□3AB+000
0.056	“	9.0	“	“	“	C21563**C*□25B+000	0.0056	11.5	7.5	4.0	10.0	“	C21562**C*□3AB+000
0.068	“	9.5	5.0	“	“	C21683**C*□25B+000	0.0068	“	“	“	“	“	C21682**C*□3AB+000
0.082	“	10.0	5.5	“	“	C21823**C*□25B+000	0.0082	“	8.5	“	“	“	C21822**C*□3AB+000
0.10	16.5	8.5	4.5	15.0	0.8	C21104**E*□25C+000	0.010	“	9.0	4.5	“	“	C21103**C*□3AB+000
0.12	“	9.0	“	“	“	C21124**E*□25C+000	0.012	“	9.5	“	“	“	C21123**C*□3AB+000
0.15	“	9.5	5.5	“	“	C21154**E*□25C+000	0.015	“	“	“	“	“	C21153**C*□3AB+000
0.18	“	10.0	6.0	“	“	C21184**E*□25C+000	0.018	“	10.0	5.5	“	“	C21183**C*□3AB+000
0.22	“	10.5	6.5	“	“	C21224**E*□25C+000	0.022	“	8.5	4.0	“	“	C21223**C*□3AB+000
0.27	“	11.5	7.0	“	“	C21274**E*□25C+000	0.027	“	9.0	4.5	“	“	C21273**C*□3AB+000
0.33	“	13.5	“	“	“	C21334**E*□25C+000	0.033	“	9.5	5.0	“	“	C21333**C*□3AB+000
0.39	“	14.5	7.5	“	“	C21394**E*□25C+000	0.039	“	“	5.5	“	“	C21393**C*□3AB+000
0.47	“	15.0	8.5	“	“	C21474**E*□25C+000	0.047	“	9.0	4.5	“	“	C21473**C*□3AB+000
0.56	21.5	14.0	7.5	20.0	“	C21564**E*□25C+000	0.056	“	“	4.8	“	“	C21563**C*□3AB+000
0.68	“	15.0	8.5	“	“	C21684**E*□25C+000	0.068	“	9.5	5.0	“	“	C21683**C*□3AB+000
0.82	“	16.0	9.5	“	“	C21824**E*□25C+000	0.082	16.5	10.0	5.5	15.0	0.8	C21823**E*□3AC+000
1.0	“	18.0	9.5	“	“	C21105**E*□25C+000	0.10	“	11.0	6.0	“	“	C21104**E*□3AC+000
1.2	23.5	17.5	11.0	22.5	“	C21125**G*□25C+000	0.12	“	11.5	6.5	“	“	C21124**E*□3AC+000
1.5	“	19.0	12.5	“	“	C21155**G*□25C+000	0.15	“	12.5	7.5	“	“	C21154**E*□3AC+000
1.8	28.5	20.5	11.0	27.5	“	C21185**H*□25C+000	0.18	23.5	“	5.5	22.5	“	C21184**G*□3AC+000
2.2	“	22.0	12.0	“	“	C21225**H*□25C+000	0.22	“	13.0	6.0	“	“	C21224**G*□3AC+000
2.7	“	23.5	13.5	“	“	C21275**H*□25C+000							
3.3	“	25.0	15.5	“	“	C21335**H*□25C+000							

◇ 备注：特殊需要可根据客户要求另行设计

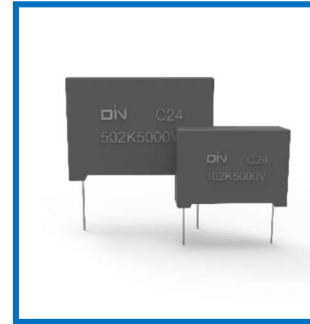
◇ Note: Special requirements can be designed according to customer requirements.

C24 系列 SERIES

■ 外形图



■ Outline Drawing



■ 特点

- 高频损耗小、内部温升小。
- 容量、损耗受温度变化小。
- 优异的阻燃、防潮性能。

■ Features

- Withstand high excess voltage shocks
- Low temperature rise inside
- Excellent flame retardant and moisture proof

■ 主要用途

- 广泛用于高频、直流、交流和脉冲电路电源整流后滤波回路

■ Typical application

- Widely used in high frequency DC, AC and pulse circuit, Filtering circuit after rectified.

■ 技术参数 Technical Specifications

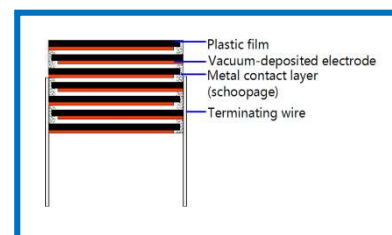
项目 Items	性能要求 Characteristics		
引用标准 Reference Standard	GB/T 14579 (IEC60384-17)		
气候类别 Climatic Category	40/105/21		
额定温度 Rate Temperature	85℃		
工作温度范围 Operating Temperature Range	-40~105℃ (+85℃ to +105℃: decreasing factor 1.25% per °C for V _R (DC))		
额定电压 Rated Voltage	250V、400V、630V、1000V、1600V、2000V		
电容量范围 Capacitance Range	0.001μF~15μF		
容量偏差 Capacitance Tolerance	±5%(J) ; ±10%(K) ; ±20% (M) (1kHz)		
耐电压 Voltage Proof	1.6*U _R (5S)		
损耗角正切 Dissipation Factor	≤10×10 ⁻⁴ (20℃;1kHz)		
绝缘电阻 Insulation Resistance	U _R >100V	CR ≤ 0.33 μF ≥15000 MΩ CR > 0.33 μF ≥5000 S	20℃, 100VDC,1min

■ 产品结构

- 介 质: 聚丙烯薄膜
- 电容器电极: 真空蒸镀电极
- 内部结构:

■ Construction

- Dielectric: Polypropylene film
- Capacitor electrodes: Vacuum-deposited
- Internal construction



■ 标准品一览表 Standard size

□: 容量偏差 Tolerance +: 脚型 Lead kinked

250VDC/160VAC							250VDC/160VAC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
0.027	10.0	9.0	4.0	7.5	0.6	C24273**B*□2NB+000	0.39	26.5	15.0	6.0	22.5	0.8	C24394**G*□2NC+000
0.033	“	“	“	“	“	C24333**B*□2NB+000	0.47	“	“	“	“	“	C24474**G*□2NC+000
0.039	“	“	“	“	“	C24393**B*□2NB+000	0.56	“	“	“	“	“	C24564**G*□2NC+000
0.047	“	“	“	“	“	C24473**B*□2NB+000	0.68	“	“	“	“	“	C24684**G*□2NC+000
0.056	“	“	“	“	“	C24563**B*□2NB+000	0.82	“	“	“	“	“	C24824**G*□2NC+000
0.068	“	“	“	“	“	C24683**B*□2NB+000	1.2	“	17.0	8.5	“	“	C24125**G*□2NC+000
0.082	“	11.0	5.0	“	“	C24823**B*□2NB+000	1.5	“	“	“	“	“	C24155**G*□2NC+000
0.10	“	“	“	“	“	C24104**B*□2NB+000	1.8	“	18.5	10.0	“	“	C24185**G*□2NC+000
0.12	“	“	“	“	“	C24124**B*□2NB+000	2.2	“	20.0	11.0	“	“	C24225**G*□2NC+000
0.15	“	12.0	6.0	“	“	C24154**B*□2NB+000	2.7	“	22.0	12.0	“	“	C24275**G*□2NC+000
0.18	“	“	“	“	“	C24184**B*□2NB+000	0.82	32.0	18.0	9.0	27.5	“	C24824**H*□2NC+000
0.033	13.0	9.0	4.0	10.0	“	C24333**C*□2NB+000	1.0	“	“	“	“	“	C24105**H*□2NC+000
0.039	“	“	“	“	“	C24393**C*□2NB+000	1.2	“	“	“	“	“	C24125**H*□2NC+000
0.047	“	“	“	“	“	C24473**C*□2NB+000	1.5	“	“	“	“	“	C24155**H*□2NC+000
0.056	“	“	“	“	“	C24563**C*□2NB+000	1.8	“	“	“	“	“	C24185**H*□2NC+000
0.068	“	“	“	“	“	C24683**C*□2NB+000	2.2	“	“	11.0	“	“	C24225**H*□2NC+000
0.082	“	“	“	“	“	C24823**C*□2NB+000	2.7	“	20.0	11.0	“	“	C24275**H*□2NC+000
0.10	12.0	11.0	5.0	“	“	C24104**C*□2NB+000	3.3	“	“	“	“	“	C24335**H*□2NC+000
0.12	“	“	“	“	“	C24124**C*□2NB+000	3.9	“	22.0	13.0	“	“	C24395**H*□2NC+000
0.15	“	“	“	“	“	C24154**C*□2NB+000	4.7	“	28.0	14.0	“	“	C24475**H*□2NC+000
0.18	13.0	12.0	6.0	“	“	C24184**C*□2NB+000	5.6	“	24.5	15.0	“	“	C24565**H*□2NC+000
0.22	“	“	“	“	“	C24224**C*□2NB+000	6.8	“	33.0	18.0	“	“	C24685**H*□2NC+000
0.10	18.0	11.0	5.0	15.0	0.8	C24104**E*□2NC+000	8.2	“	“	“	“	“	C24825**H*□2NC+000
0.12	“	“	“	“	“	C24124**E*□2NC+000	10.0	“	“	“	“	“	C24106**H*□2NC+000
0.15	“	“	“	“	“	C24154**E*□2NC+000	12.0	“	37.0	22.0	“	“	C24126**H*□2NC+000
0.18	“	“	“	“	“	C24184**E*□2NC+000	15.0	“	“	“	“	“	C24156**H*□2NC+000
0.22	“	“	“	“	“	C24224**E*□2NC+000							
0.27	“	12.0	6.0	“	“	C24274**E*□2NC+000							
0.33	“	“	“	“	“	C24334**E*□2NC+000							
0.39	“	13.5	7.5	“	“	C24394**E*□2NC+000							
0.47	“	“	“	“	“	C24474**E*□2NC+000							
0.56	“	“	“	“	“	C24564**E*□2NC+000							
0.68	“	14.5	8.5	“	“	C24684**E*□2NC+000							
0.82	“	16.0	10.0”	“	“	C24824**E*□2NC+000							
1.0	“	“	“	“	“	C24105**E*□2NC+000							
1.2	“	19.0	11.0	“	“	C24125**E*□2NC+000							
1.0	26.5	16.0	7.0	22.5	“	C24105**G*□2NC+000							

◇ 备注：特殊需要可根据客户要求另行设计

◇ Note: Special requirements can be designed according to customer requirements.

■ 标准品一览表 Standard size

□: 容量偏差 Tolerance +: 脚型 Lead kinked

400VDC/220VAC							400VDC/220VAC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
0.010	10.0	9.0	4.0	7.5	0.6	C24103**B*□2WB+000	0.18	26.5	15.0	6.0	22.5	0.8	C24184**G*□2WC+000
0.012	“	“	“	“	“	C24123**B*□2WB+000	0.22	“	“	“	“	“	C24224**G*□2WC+000
0.015	“	“	“	“	“	C24153**B*□2WB+000	0.27	“	“	“	“	“	C24274**G*□2WC+000
0.018	“	“	“	“	“	C24183**B*□2WB+000	0.33	“	“	“	“	“	C24334**G*□2WC+000
0.022	“	“	“	“	“	C24223**B*□2WB+000	0.39	“	16.0	7.0	“	“	C24394**G*□2WC+000
0.027	“	“	“	“	“	C24273**B*□2WB+000	0.47	“	“	“	“	“	C24474**G*□2WC+000
0.033	“	“	“	“	“	C24333**B*□2WB+000	0.68	“	17.0	8.5	“	“	C24684**G*□2WC+000
0.039	“	“	“	“	“	C24393**B*□2WB+000	0.82	“	18.5	10.0	“	“	C24824**G*□2WC+000
0.047	“	“	“	“	“	C24473**B*□2WB+000	1.0	“	20.0	11.0	“	“	C24105**G*□2WC+000
0.056	“	“	“	“	“	C24563**B*□2WB+000	1.2	“	22.0	12.0	“	“	C24125**G*□2WC+000
0.068	“	“	“	“	“	C24683**B*□2WB+000	1.5	“	“	“	“	“	C24155**G*□2WC+000
0.015	13.0	9.0	4.0	10.0	“	C24153**C*□2WB+000	0.56	32.0	18.0	9.0	27.5	“	C24564**H*□2WC+000
0.018	“	“	“	“	“	C24183**C*□2WB+000	0.68	“	“	“	“	“	C24684**H*□2WC+000
0.022	“	“	“	“	“	C24223**C*□2WB+000	0.82	“	“	“	“	“	C24824**H*□2WC+000
0.027	“	“	“	“	“	C24273**C*□2WB+000	1.0	“	“	“	“	“	C24105**H*□2WC+000
0.033	“	“	“	“	“	C24333**C*□2WB+000	1.2	“	20.0	11.0	“	“	C24125**H*□2WC+000
0.039	“	“	“	“	“	C24393**C*□2WB+000	1.5	“	“	“	“	“	C24155**H*□2WC+000
0.047	12.0	11.0	5.0	“	“	C24473**C*□2WB+000	1.8	“	22.0	13.0	“	“	C24185**H*□2WC+000
0.056	“	“	“	“	“	C24563**C*□2WB+000	2.2	“	24.5	15.0	“	“	C24225**H*□2WC+000
0.068	“	“	“	“	“	C24683**C*□2WB+000	2.7	“	28.0	14.0	“	“	C24275**H*□2WC+000
0.082	“	12.0	6.0	“	“	C24823**C*□2WB+000	3.3	“	33.0	18.0	“	“	C24335**H*□2WC+000
0.10	“	“	“	“	“	C24104**C*□2WB+000	3.9	“	“	“	“	“	C24395**H*□2WC+000
0.068	18.0	11.0	5.0	15.0	0.8	C24683**E*□2WC+000	4.7	“	37.0	22.0	“	“	C24475**H*□2WC+000
0.082	“	“	“	“	“	C24823**E*□2WC+000	5.6	“	“	“	“	“	C24565**H*□2WC+000
0.10	“	“	“	“	“	C24104**E*□2WC+000							
0.12	“	“	“	“	“	C24124**E*□2WC+000							
0.15	“	12.0	6.0	“	“	C24154**E*□2WC+000							
0.18	“	“	“	“	“	C24184**E*□2WC+000							
0.22	“	13.5	7.5	“	“	C24224**E*□2WC+000							
0.27	“	“	“	“	“	C24274**E*□2WC+000							
0.33	“	14.5	8.5	“	“	C24334**E*□2WC+000							
0.39	“	16.0	10.0	“	“	C24394**E*□2WC+000							
0.47	“	“	“	“	“	C24474**E*□2WC+000							
0.56	“	19.0	11.0	“	“	C24564**E*□2WC+000							
0.68	“	“	“	“	“	C24684**E*□2WC+000							
0.56	“	17.0	8.5	“	“	C24564**E*□2WC+000							

- ◇ 备注：特殊需要可根据客户要求另行设计
- ◇ Note: Special requirements can be designed according to customer requirements.

■ 标准品一览表 Standard size

□: 容量偏差 Tolerance +: 脚型 Lead kinked

630VDC/250VAC							630VDC/250VAC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
0.0010	10.0	9.0	4.0	7.5	0.6	C24102**B*□25B+000	0.027	18.0	11.0	5.0	15.0	0.8	C24273**E*□25C+000
0.0012	“	“	“	“	“	C24122**B*□25B+000	0.033	“	“	“	“	“	C24333**E*□25C+000
0.0015	“	“	“	“	“	C24152**B*□25B+000	0.039	“	“	“	“	“	C24393**E*□25C+000
0.0018	“	“	“	“	“	C24182**B*□25B+000	0.047	“	“	“	“	“	C24473**E*□25C+000
0.0022	“	“	“	“	“	C24222**B*□25B+000	0.056	“	“	“	“	“	C24563**E*□25C+000
0.0027	“	“	“	“	“	C24272**B*□25B+000	0.068	“	12.0	6.0	“	“	C24683**E*□25C+000
0.0033	“	“	“	“	“	C24332**B*□25B+000	0.082	“	“	“	“	“	C24823**E*□25C+000
0.0039	“	“	“	“	“	C24392**B*□25B+000	0.10	“	13.5	7.5	“	“	C24104**E*□25C+000
0.0047	“	“	“	“	“	C24472**B*□25B+000	0.12	“	“	“	“	“	C24124**E*□25C+000
0.0056	“	“	“	“	“	C24562**B*□25B+000	0.15	“	“	“	“	“	C24154**E*□25C+000
0.0068	“	“	“	“	“	C24682**B*□25B+000	0.18	“	14.5	8.5	“	“	C24184**E*□25C+000
0.0082	“	“	“	“	“	C24822**B*□25B+000	0.22	“	16.0	10.0	“	“	C24224**E*□25C+000
0.010	“	“	“	“	“	C24103**B*□25B+000	0.27	“	19.0	11.0	“	“	C24274**E*□25C+000
0.012	“	“	“	“	“	C24123**B*□25B+000	0.33	“	“	“	“	“	C24334**E*□25C+000
0.015	10.0	11.0	5.0	“	“	C24153**B*□25B+000	0.082	26.5	15.0	6.0	22.5	0.8	C24823**G*□25C+000
0.018	“	“	“	“	“	C24183**B*□25B+000	0.10	“	“	“	“	“	C24104**G*□25C+000
0.022	“	“	“	“	“	C24223**B*□25B+000	0.12	“	“	“	“	“	C24124**G*□25C+000
0.027	“	12.0	6.0	“	“	C24273**B*□25B+000	0.15	“	“	“	“	“	C24154**G*□25C+000
0.033	“	“	“	“	“	C24333**B*□25B+000	0.18	“	“	“	“	“	C24184**G*□25C+000
0.0010	13.0	9.0	4.0	10.0	“	C24102**C*□25B+000	0.22	“	16.0	7.0	“	“	C24224**G*□25C+000
0.0012	“	“	“	“	“	C24122**C*□25B+000	0.27	“	17.0	8.5	“	“	C24274**G*□25C+000
0.0015	“	“	“	“	“	C24152**C*□25B+000	0.33	“	“	“	“	“	C24334**G*□25C+000
0.0018	“	“	“	“	“	C24182**C*□25B+000	0.39	“	18.5	10.0	“	“	C24394**G*□25C+000
0.0022	“	“	“	“	“	C24222**C*□25B+000	0.47	“	“	“	“	“	C24474**G*□25C+000
0.0027	“	“	“	“	“	C24272**C*□25B+000	0.56	“	20.0	11.0	“	“	C24564**G*□25C+000
0.0033	“	“	“	“	“	C24332**C*□25B+000	0.68	“	22.0	12.0	“	“	C24684**G*□25C+000
0.0039	“	“	“	“	“	C24392**C*□25B+000	0.33	32.0	18.0	9.0	27.5	“	C24334**H*□25C+000
0.0047	“	“	“	“	“	C24472**C*□25B+000	0.39	“	“	“	“	“	C24394**H*□25C+000
0.0056	“	“	“	“	“	C24562**C*□25B+000	0.47	“	“	“	“	“	C24474**H*□25C+000
0.0068	“	“	“	“	“	C24682**C*□25B+000	0.56	“	20.0	11.0	“	“	C24564**H*□25C+000
0.010	“	“	“	“	“	C24103**C*□25B+000	0.68	“	“	“	“	“	C24684**H*□25C+000
0.012	“	“	“	“	“	C24123**C*□25B+000	0.82	“	“	“	“	“	C24824**H*□25C+000
0.015	“	“	“	“	“	C24153**C*□25B+000	1.0	“	22.0	13.0	“	“	C24105**H*□25C+000
0.018	“	“	“	“	“	C24183**C*□25B+000	1.2	“	24.5	15.0	“	“	C24125**H*□25C+000
0.022	12.0	11.0	5.0	“	“	C24223**C*□25B+000	1.5	“	28.0	14.0	“	“	C24155**H*□25C+000
0.027	“	“	“	“	“	C24273**C*□25B+000	1.8	“	33.0	18.0	“	“	C24185**H*□25C+000
0.033	“	“	“	“	“	C24333**C*□25B+000	2.2	“	“	“	“	“	C24225**H*□25C+000
0.039	13.0	12.0	6.0	“	“	C24393**C*□25B+000	2.7	“	37.0	22.0	“	“	C24275**H*□25C+000
0.047	“	“	“	“	“	C24473**C*□25B+000	3.3	“	“	“	“	“	C24335**H*□25C+000

◇ 备注：特殊需要可根据客户要求另行设计

◇ Note: Special requirements can be designed according to customer requirements.

■ 标准品一览表 Standard size

□: 容量偏差 Tolerance +: 脚型 Lead kinked

1000VDC/400VAC							1600VDC/600VAC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
0.0010	13.0	9.0	4.0	10.0	0.6	C24102**C*□3AB+000	0.0010	18.0	11.0	5.0	15.0	0.8	C24102**E*□3HC+000
0.0012	“	“	“	“	“	C24122**C*□3AB+000	0.0012	“	“	“	“	“	C24122**E*□3HC+000
0.0015	“	“	“	“	“	C24152**C*□3AB+000	0.0015	“	“	“	“	“	C24152**E*□3HC+000
0.0018	“	“	“	“	“	C24182**C*□3AB+000	0.0018	“	“	“	“	“	C24182**E*□3HC+000
0.0022	“	“	“	“	“	C24222**C*□3AB+000	0.0022	“	“	“	“	“	C24222**E*□3HC+000
0.0027	“	“	“	“	“	C24272**C*□3AB+000	0.0027	“	“	“	“	“	C24272**E*□3HC+000
0.0033	“	“	“	“	“	C24332**C*□3AB+000	0.0033	“	“	“	“	“	C24332**E*□3HC+000
0.0039	“	“	“	“	“	C24392**C*□3AB+000	0.0039	“	“	“	“	“	C24392**E*□3HC+000
0.0047	12.0	11.0	5.0	“	“	C24472**C*□3AB+000	0.0047	“	“	“	“	“	C24472**E*□3HC+000
0.0056	“	“	“	“	“	C24562**C*□3AB+000	0.0056	“	“	“	“	“	C24562**E*□3HC+000
0.0068	“	“	“	“	“	C24682**C*□3AB+000	0.0068	“	“	“	“	“	C24682**E*□3HC+000
0.0082	13.0	12.0	6.0	“	“	C24822**C*□3AB+000	0.0082	“	12.0	6.0	“	“	C24822**E*□3HC+000
0.010	“	“	“	“	“	C24103**C*□3AB+000	0.010	“	“	“	“	“	C24103**E*□3HC+000
0.0022	18.0	11.0	5.0	15.0	0.8	C24222**E*□3AC+000	0.012	“	“	“	“	“	C24123**E*□3HC+000
0.0027	“	“	“	“	“	C24272**E*□3AC+000	0.015	“	13.5	7.5	“	“	C24153**E*□3HC+000
0.0033	“	“	“	“	“	C24332**E*□3AC+000	0.018	“	“	“	“	“	C24183**E*□3HC+000
0.0039	“	“	“	“	“	C24392**E*□3AC+000	0.022	“	14.5	8.5	“	“	C24223**E*□3HC+000
0.0047	“	“	“	“	“	C24472**E*□3AC+000	0.027	“	16.0	10.0	“	“	C24273**E*□3HC+000
0.0056	“	“	“	“	“	C24562**E*□3AC+000	0.033	“	“	“	“	“	C24333**E*□3HC+000
0.0068	“	“	“	“	“	C24682**E*□3AC+000	0.039	“	19.0	11.0	“	“	C24393**E*□3HC+000
0.010	“	“	“	“	“	C24103**E*□3AC+000	0.047	“	“	“	“	“	C24473**E*□3HC+000
0.012	“	“	“	“	“	C24123**E*□3AC+000	0.015	26.5	15.0	6.0	22.5	0.8	C24153**G*□3HC+000
0.015	“	12.0	6.0	“	“	C24153**E*□3AC+000	0.018	“	“	“	“	“	C24183**G*□3HC+000
0.018	“	“	“	“	“	C24183**E*□3AC+000	0.022	“	“	“	“	“	C24223**G*□3HC+000
0.022	“	13.5	7.5	“	“	C24223**E*□3AC+000	0.027	“	16.0	7.0	“	“	C24273**G*□3HC+000
0.027	“	“	“	“	“	C24273**E*□3AC+000	0.033	“	“	“	“	“	C24333**G*□3HC+000
0.033	“	14.5	8.5	“	“	C24333**E*□3AC+000	0.039	“	17.0	8.5	“	“	C24393**G*□3HC+000
0.039	“	16.0	10.0	“	“	C24393**E*□3AC+000	0.047	“	18.5	10.0	“	“	C24473**G*□3HC+000
0.047	“	“	“	“	“	C24473**E*□3AC+000	0.056	“	“	“	“	“	C24563**G*□3HC+000
0.056	“	19.0	11.0	“	“	C24563**E*□3AC+000	0.068	“	22.0	12.0	“	“	C24683**G*□3HC+000
0.068	“	“	“	“	“	C24683**E*□3AC+000	0.082	“	“	“	“	“	C24823**G*□3HC+000
0.018	26.5	15.0	6.0	22.5	“	C24183**G*□3AC+000	0.10	“	“	“	“	“	C24104**G*□3HC+000
0.022	“	“	“	“	“	C24223**G*□3AC+000							
0.027	“	“	“	“	“	C24273**G*□3AC+000							
0.033	“	“	“	“	“	C24333**G*□3AC+000							
0.039	“	“	“	“	“	C24393**G*□3AC+000							
0.047	“	16.0	7.0	“	“	C24473**G*□3AC+000							
0.056	“	“	“	“	“	C24563**G*□3AC+000							
0.068	“	17.0	8.5	“	“	C24683**G*□3AC+000							
0.082	“	“	“	“	“	C24823**G*□3AC+000							
0.10	“	18.5	10.0	“	“	C24104**G*□3AC+000							
0.12	“	22.0	12.0	“	“	C24124**G*□3AC+000							

- ◇ 备注：特殊需要可根据客户要求另行设计
- ◇ Note: Special requirements can be designed according to customer requirements.

■ 标准品一览表 Standard size

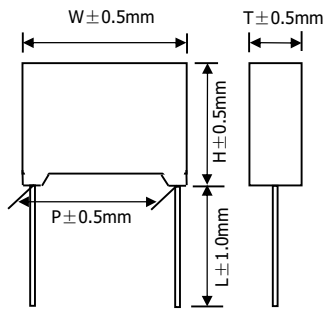
□: 容量偏差 Tolerance +: 脚型 Lead kinked

2000VDC/700VAC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D	
0.0010	18.0	11.0	5.0	15.0	0.8	C24102**E*□3KC+000
0.0012	“	“	“	“	“	C24122**E*□3KC+000
0.0015	“	“	“	“	“	C24152**E*□3KC+000
0.0018	“	“	“	“	“	C24182**E*□3KC+000
0.0022	“	“	“	“	“	C24222**E*□3KC+000
0.0027	“	“	“	“	“	C24272**E*□3KC+000
0.0033	“	“	“	“	“	C24332**E*□3KC+000
0.0039	“	“	“	“	“	C24392**E*□3KC+000
0.0047	“	“	“	“	“	C24472**E*□3KC+000
0.0056	“	12.0	6.0	“	“	C24562**E*□3KC+000
0.0068	“	“	“	“	“	C24682**E*□3KC+000
0.0082	“	13.5	7.5	“	“	C24822**E*□3KC+000
0.010	“	“	“	“	“	C24103**E*□3KC+000
0.012	“	14.5	8.5	“	“	C24123**E*□3KC+000
0.015	“	“	“	“	“	C24153**E*□3KC+000
0.018	“	16.0	10.0	“	“	C24183**E*□3KC+000
0.022	“	19.0	11.0	“	“	C24223**E*□3KC+000
0.0068	26.5	15.0	6.0	22.5	“	C24682**G*□3KC+000
0.0082	“	“	“	“	“	C24822**G*□3KC+000
0.010	“	“	“	“	“	C24103**G*□3KC+000
0.012	“	“	“	“	“	C24123**G*□3KC+000
0.015	“	“	“	“	“	C24153**G*□3KC+000
0.018	“	16.0	7.0	“	“	C24183**G*□3KC+000
0.022	“	17.0	8.5	“	“	C24223**G*□3KC+000
0.027	“	“	“	“	“	C24273**G*□3KC+000
0.033	“	18.5	10.0	“	“	C24333**G*□3KC+000
0.039	“	“	“	“	“	C24393**G*□3KC+000
0.047	“	22.0	12.0	“	“	C24473**G*□3KC+000
0.056	“	“	“	“	“	C24563**G*□3KC+000

- ◇ 备注：特殊需要可根据客户要求另行设计
- ◇ Note: Special requirements can be designed according to customer requirements.

C28 系列 SERIES

■ 外形图



■ 特点

- 高频损耗小、内部温升小。
- 负电容量温度系数。
- 优异的阻燃、防潮性能。

■ 主要用途

- 广泛用于高压高频脉冲电路。
- 电子镇流器和节能灯
- 吸收和 SCR 整流电路。

■ 技术参数 Technical Specifications

项目 Items	性能要求 Characteristics	
引用标准 Reference Standard	GB/T 10190 (IEC60384-16)	
气候类别 Climatic Category	40/105/56	
额定温度 Rate Temperature	85°C for $U_R(DC)$; 75°C for $U_R(AC)$	
工作温度范围 Operating Temperature Range	-40~105°C (+85°C to +105°C: decreasing factor 1.25% per °C for $V_R(DC)$) (+75°C to +105°C: decreasing factor 1.35% per °C for $V_R(AC)$)	
额定电压 Rated Voltage	250V、400V、630V、1000V、1600V、2000V	
电容量范围 Capacitance Range	0.00022μF~1.8μF	
容量偏差 Capacitance Tolerance	±5%(J) ; ±10%(K) ; ±20% (M) (1kHz)	
耐电压 Voltage Proof	1.6* $U_R(5S)$	
损耗角正切 Dissipation Factor	≤10×10 ⁻⁴ (20°C;1kHz)	
绝缘电阻 Insulation Resistance	CR ≤ 0.33 μF ≥15000 MΩ CR > 0.33 μF ≥5000 S	20°C, 100VDC, 1min

■ 产品结构

- 介 质: 聚丙烯薄膜
- 电容器电极:
双面金属化薄膜
- 内部结构:

■ Construction

- Dielectric: Polypropylene film
- Capacitor electrodes:
Double-sided metallized plastic film
- Internal construction



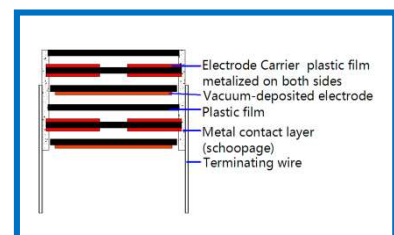
■ Outline Drawing

■ Features

- Withstand high excess voltage shocks
- Negative temperature coefficient of capacitance
- Excellent flame retardant and moisture proof

■ Typical application

- Widely used in high voltage , high frequency and pulse circuit
- Lamp capacitor for electronic ballast and compact lamps
- Snubber and SCR commutating circuits



■ 标准品一览表 Standard size

□: 容量偏差 Tolerance +: 脚型 Lead kinked

400VDC/250VAC							630VDC/400VAC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
0.010	12.0	11.0	5.0	10.0	0.6	C28103**C*□2WB+000	0.0039	12.0	11.0	5.0	10.0	0.6	C28392**C*□25B+000
0.012	“	“	“	“	“	C28123**C*□2WB+000	0.0047	“	“	“	“	“	C28472**C*□25B+000
0.015	“	“	“	“	“	C28153**C*□2WB+000	0.0056	“	“	“	“	“	C28562**C*□25B+000
0.018	“	“	“	“	“	C28183**C*□2WB+000	0.0068	“	“	“	“	“	C28682**C*□25B+000
0.022	“	“	“	“	“	C28223**C*□2WB+000	0.0082	“	“	“	“	“	C28822**C*□25B+000
0.027	“	“	“	“	“	C28273**C*□2WB+000	0.010	“	“	“	“	“	C28103**C*□25B+000
0.033	“	“	“	“	“	C28333**C*□2WB+000	0.012	“	“	“	“	“	C28123**C*□25B+000
0.039	13.0	12.0	6.0	“	“	C28393**C*□2WB+000	0.015	13.0	12.0	6.0	“	“	C28153**C*□25B+000
0.047	“	“	“	“	“	C28473**C*□2WB+000	0.018	“	“	“	“	“	C28183**C*□25B+000
0.033	18.0	11.0	5.0	15.0	0.8	C28333**E*□2WC+000	0.010	18.0	11.0	5.0	15.0	0.8	C28103**E*□25C+000
0.039	“	“	“	“	“	C28393**E*□2WC+000	0.012	“	“	“	“	“	C28123**E*□25C+000
0.047	“	“	“	“	“	C28473**E*□2WC+000	0.015	“	“	“	“	“	C28153**E*□25C+000
0.056	“	“	“	“	“	C28563**E*□2WC+000	0.018	“	“	“	“	“	C28183**E*□25C+000
0.068	“	12.0	6.0	“	“	C28683**E*□2WC+000	0.022	“	“	“	“	“	C28223**E*□25C+000
0.082	“	“	“	“	“	C28823**E*□2WC+000	0.027	“	“	“	“	“	C28273**E*□25C+000
0.10	“	13.5	7.5	“	“	C28104**E*□2WC+000	0.033	“	12.0	6.0	“	“	C28333**E*□25C+000
0.12	“	“	“	“	“	C28124**E*□2WC+000	0.039	“	“	“	“	“	C28393**E*□25C+000
0.15	“	14.5	8.5	“	“	C28154**E*□2WC+000	0.047	“	“	“	“	“	C28473**E*□25C+000
0.18	“	16.0	10.0	“	“	C28184**E*□2WC+000	0.056	“	13.5	7.5	“	“	C28563**E*□25C+000
0.22	“	“	“	“	“	C28224**E*□2WC+000	0.068	“	14.5	8.5	“	“	C28683**E*□25C+000
0.27	“	19.0	11.0	“	“	C28274**E*□2WC+000	0.082	“	“	“	“	“	C28823**E*□25C+000
0.12	26.5	15.0	6.0	22.5	“	C28124**G*□2WC+000	0.10	“	16.0	10.0	“	“	C28104**E*□25C+000
0.15	“	“	“	“	“	C28154**G*□2WC+000	0.12	“	19.0	11.0	“	“	C28124**E*□25C+000
0.18	“	“	“	“	“	C28184**G*□2WC+000	0.047	26.5	15.0	6.0	22.5	“	C28473**G*□25C+000
0.22	“	16.0	7.0	“	“	C28224**G*□2WC+000	0.056	“	“	“	“	“	C28563**G*□25C+000
0.27	“	17.0	8.5	“	“	C28274**G*□2WC+000	0.068	“	“	“	“	“	C28683**G*□25C+000
0.33	“	“	“	“	“	C28334**G*□2WC+000	0.082	“	“	“	“	“	C28823**G*□25C+000
0.39	“	18.5	10.0	“	“	C28394**G*□2WC+000	0.10	“	“	“	“	“	C28104**G*□25C+000
0.47	“	“	“	“	“	C28474**G*□2WC+000	0.12	“	16.0	7.0	“	“	C28124**G*□25C+000
0.56	“	22.0	12.0	“	“	C28564**G*□2WC+000	0.15	“	17.0	8.5	“	“	C28154**G*□25C+000
0.68	“	“	“	“	“	C28684**G*□2WC+000	0.18	“	“	“	“	“	C28184**G*□25C+000
0.39	32.0	18.0	9.0	27.5	“	C28394**H*□2WC+000	0.22	“	18.5	10.0	“	“	C28224**G*□25C+000
0.47	“	“	“	“	“	C28474**H*□2WC+000	0.27	“	22.0	12.0	“	“	C28274**G*□25C+000
0.56	“	20.0	11.0	“	“	C28564**H*□2WC+000	0.33	“	“	“	“	“	C28334**G*□25C+000
0.68	“	“	“	“	“	C28684**H*□2WC+000	0.39	“	“	“	“	“	C28394**G*□25C+000
0.82	“	22.0	13.0	“	“	C28824**H*□2WC+000	0.15	32.0	18.0	9.0	27.5	“	C28154**H*□25C+000
1.0	“	24.5	15.0	“	“	C28105**H*□2WC+000	0.18	“	“	“	“	“	C28184**H*□25C+000
1.2	“	“	“	“	“	C28125**H*□2WC+000	0.22	“	“	“	“	“	C28224**H*□25C+000
1.5	“	33.0	18.0	“	“	C28155**H*□2WC+000	0.27	“	“	“	“	“	C28274**H*□25C+000
1.8	“	“	“	“	“	C28185**H*□2WC+000	0.33	“	20.0	11.0	“	“	C28334**H*□25C+000
							0.39	“	“	“	“	“	C28394**H*□25C+000
							0.47	“	22.0	13.0	“	“	C28474**H*□25C+000

◇ 备注：特殊需要可根据客户要求另行设计

◇ Note: Special requirements can be designed according to customer requirements.

■ 标准品一览表 Standard size

□: 容量偏差 Tolerance +: 脚型 Lead kinked

1000VDC/600VAC							1600VDC/650VAC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
0.0010	12.0	11.0	5.0	10.0	0.6	C28102**C*□3AB+000	0.00068	18.0	11.0	5.0	15.0	0.8	C28681**E*□3HC+000
0.0012	“	“	“	“	“	C28122**C*□3AB+000	0.00082	“	“	“	“	“	C28821**E*□3HC+000
0.0015	“	“	“	“	“	C28152**C*□3AB+000	0.0010	“	“	“	“	“	C28102**E*□3HC+000
0.0018	“	“	“	“	“	C28182**C*□3AB+000	0.0012	“	“	“	“	“	C28122**E*□3HC+000
0.0022	“	“	“	“	“	C28222**C*□3AB+000	0.0015	“	“	“	“	“	C28152**E*□3HC+000
0.0027	“	“	“	“	“	C28272**C*□3AB+000	0.0018	“	“	“	“	“	C28182**E*□3HC+000
0.0033	“	“	“	“	“	C28332**C*□3AB+000	0.0022	“	“	“	“	“	C28222**E*□3HC+000
0.0039	“	“	“	“	“	C28392**C*□3AB+000	0.0027	“	“	“	“	“	C28272**E*□3HC+000
0.0047	“	“	“	“	“	C28472**C*□3AB+000	0.0033	“	“	“	“	“	C28332**E*□3HC+000
0.0056	13.0	12.0	6.0	“	“	C28562**C*□3AB+000	0.0039	“	“	“	“	“	C28392**E*□3HC+000
0.0068	“	“	“	“	“	C28682**C*□3AB+000	0.0047	“	“	“	“	“	C28471**E*□3HC+000
0.0082	18.0	11.0	5.0	15.0	0.8	C28822**E*□3AC+000	0.0056	“	“	“	“	“	C28561**E*□3HC+000
0.010	“	“	“	“	“	C28103**E*□3AC+000	0.0068	“	“	“	“	“	C28681**E*□3HC+000
0.012	“	“	“	“	“	C28123**E*□3AC+000	0.0082	“	12.0	6.0	“	“	C28822**E*□3HC+000
0.015	“	“	“	“	“	C28153**E*□3AC+000	0.010	“	“	“	“	“	C28103**E*□3HC+000
0.018	“	13.5	7.5	“	“	C28183**E*□3AC+000	0.012	“	13.5	7.5	“	“	C28123**E*□3HC+000
0.022	“	“	“	“	“	C28183**E*□3AC+000	0.015	“	“	“	“	“	C28153**E*□3HC+000
0.027	“	14.5	8.5	“	“	C28273**E*□3AC+000	0.018	“	14.5	8.5	“	“	C28183**E*□3HC+000
0.033	“	“	“	“	“	C28333**E*□3AC+000	0.022	“	“	“	“	“	C28223**E*□3HC+000
0.039	“	16.0	10.0	“	“	C28393**E*□3AC+000	0.027	“	16.0	10.0	“	“	C28273**E*□3HC+000
0.047	“	19.0	11.0	“	“	C28473**E*□3AC+000	0.033	“	19.0	11.0	“	“	C28333**E*□3HC+000
0.027	26.5	15.0	6.0	22.5	“	C28273**G*□3AC+000	0.015	26.5	15.0	6.0	22.5	“	C28153**G*□3HC+000
0.033	“	“	“	“	“	C28333**G*□3AC+000	0.018	“	“	“	“	“	C28183**G*□3HC+000
0.039	“	“	“	“	“	C28393**G*□3AC+000	0.022	“	“	“	“	“	C28223**G*□3HC+000
0.047	“	16.0	7.0	“	“	C28473**G*□3AC+000	0.027	“	“	“	“	“	C28273**G*□3HC+000
0.056	“	“	“	“	“	C28563**G*□3AC+000	0.033	“	16.0	7.0	“	“	C28333**G*□3HC+000
0.068	“	17.0	8.5	“	“	C28683**G*□3AC+000	0.039	“	17.0	8.5	“	“	C28393**G*□3HC+000
0.082	“	18.5	10.0	“	“	C28823**G*□3AC+000	0.047	“	18.5	10.0	“	“	C28473**G*□3HC+000
0.10	“	“	“	“	“	C28104**G*□3AC+000	0.056	“	“	“	“	“	C28563**G*□3HC+000
0.12	“	22.0	12.0	“	“	C28124**G*□3AC+000	0.068	“	22.0	12.0	“	“	C28683**G*□3HC+000
0.15	“	“	“	“	“	C28154**G*□3AC+000	0.082	“	“	“	“	“	C28823**G*□3HC+000
0.10	32.0	18.0	9.0	27.5	“	C28104**H*□3AC+000							
0.12	“	20.0	11.0	“	“	C28124**H*□3AC+000							
0.15	“	“	“	“	“	C28154**H*□3AC+000							
0.18	“	22.0	13.0	“	“	C28184**H*□3AC+000							
0.22	“	“	“	“	“	C28224**H*□3AC+000							
0.27	“	24.5	15.0	“	“	C28274**H*□3AC+000							
0.33	“	18.0	14.0	“	“	C28334**H*□3AC+000							
0.39	“	33.0	18.0	“	“	C28394**H*□3AC+000							
0.47	“	“	“	“	“	C28474**H*□3AC+000							

◇ 备注：特殊需要可根据客户要求另行设计

◇ Note: Special requirements can be designed according to customer requirements.

■ 标准品一览表 Standard size

□: 容量偏差 Tolerance +: 脚型 Lead kinked

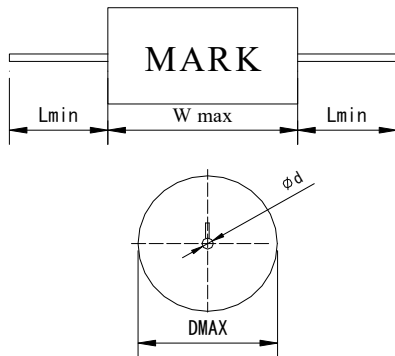
2000VDC/700VAC							2000VDC/700VAC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
0.00022	18.0	11.0	5.0	15.0	0.8	C28221**E*□3KC+000	0.0033	26.5	15.0	6.0	22.5	0.8	C28332**G*□3KC+000
0.00027	“	“	“	“	“	C28271**E*□3KC+000	0.0039	“	“	“	“	“	C28392**G*□3KC+000
0.00033	“	“	“	“	“	C28331**E*□3KC+000	0.0047	“	“	“	“	“	C28472**G*□3KC+000
0.00039	“	“	“	“	“	C28391**E*□3KC+000	0.0056	“	“	“	“	“	C28562**G*□3KC+000
0.00047	“	“	“	“	“	C28471**E*□3KC+000	0.0068	“	“	“	“	“	C28682**G*□3KC+000
0.00056	“	“	“	“	“	C28561**E*□3KC+000	0.0082	“	“	“	“	“	C28822**G*□3KC+000
0.00068	“	“	“	“	“	C28681**E*□3KC+000	0.010	“	“	“	“	“	C28103**G*□3KC+000
0.00082	“	“	“	“	“	C28821**E*□3KC+000	0.012	“	“	“	“	“	C28123**G*□3KC+000
0.0010	“	“	“	“	“	C28102**E*□3KC+000	0.015	“	16.0	7.0	“	“	C28153**G*□3KC+000
0.0012	“	“	“	“	“	C28122**E*□3KC+000	0.018	“	“	“	“	“	C28183**G*□3KC+000
0.0015	“	“	“	“	“	C28152**E*□3KC+000	0.022	“	17.0	8.5	“	“	C28223**G*□3KC+000
0.0018	“	“	“	“	“	C28182**E*□3KC+000	0.027	“	18.5	10.0	“	“	C28273**G*□3KC+000
0.0022	“	“	“	“	“	C28222**E*□3KC+000	0.039	“	22.0	12.0	“	“	C28393**G*□3KC+000
0.0027	“	“	“	“	“	C28272**E*□3KC+000	0.047	“	“	“	“	“	C28473**G*□3KC+000
0.0033	“	12.0	6.0	“	“	C28332**E*□3KC+000	0.022	32.0	18.0	9.0	27.5	“	C28223**H*□3KC+000
0.0039	“	“	“	“	“	C28392**E*□3KC+000	0.027	“	“	“	“	“	C28273**H*□3KC+000
0.0047	“	“	“	“	“	C28472**E*□3KC+000	0.033	“	“	“	“	“	C28333**H*□3KC+000
0.0056	“	13.5	7.5	“	“	C28562**E*□3KC+000	0.039	“	20.0	11.0	“	“	C28393**H*□3KC+000
0.0068	“	“	“	“	“	C28682**E*□3KC+000	0.047	“	“	“	“	“	C28473**H*□3KC+000
0.0082	“	14.5	8.5	“	“	C28822**E*□3KC+000	0.056	“	22.0	13.0	“	“	C28563**H*□3KC+000
0.010	“	16.0	10.0	“	“	C28103**E*□3KC+000	0.068	“	“	“	“	“	C28683**H*□3KC+000
0.012	“	“	“	“	“	C28123**E*□3KC+000	0.082	“	24.5	15.0	“	“	C28823**H*□3KC+000
0.015	“	19.0	11.0	“	“	C28153**E*□3KC+000	0.10	“	28.0	14.0	“	“	C28104**H*□3KC+000
0.0010	26.5	15.0	6.0	22.5	“	C28102**G*□3KC+000	0.12	“	33.0	18.0	“	“	C28124**H*□3KC+000
0.0012	“	“	“	“	“	C28122**G*□3KC+000	0.15	“	“	“	“	“	C28154**H*□3KC+000
0.0015	“	“	“	“	“	C28152**G*□3KC+000							
0.0018	“	“	“	“	“	C28182**G*□3KC+000							
0.0022	“	“	“	“	“	C28222**G*□3KC+000							
0.0027	“	“	“	“	“	C28272**G*□3KC+000							
0.033	“	“	“	“	“	C28333**G*□3KC+000							

◇ 备注：特殊需要可根据客户要求另行设计

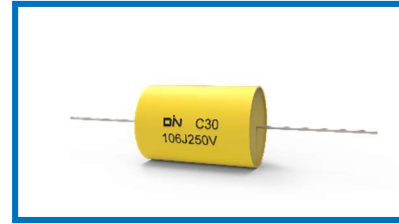
◇ Note: Special requirements can be designed according to customer requirements.

C30 系列 SERIES

■ 外形图



■ Outline Drawing



■ 特点

- 体积小、重量轻
- 自愈性能优异
- 优异的阻燃、防潮性能

■ Features

- Small size, light weight
- Excellent self-healing property
- Excellent flame retardant and moisture proof

■ 主要用途

- 用于视听、通讯、电源及音响分频电路等各种直流和脉冲电路。

■ Typical application

- Widely used in TV, Radio, Power, Frequency divide circuit, all kinds of DC and pulse circuit

■ 技术参数 Technical Specifications

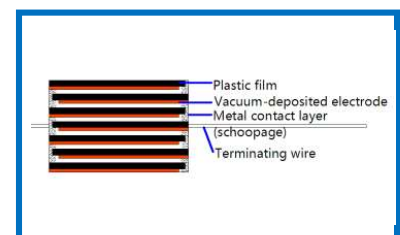
项目 Items	性能要求 Characteristics		
引用标准 Reference Standard	GB/T 7332 (IEC60384-2)		
气候类别 Climatic Category	55/105/21		
额定温度 Rate Temperature	85℃		
工作温度范围 Operating Temperature Range	-55~105℃ (+85℃ to +105℃:decreasing factor 1.25% per °C for VR(DC))		
额定电压 Rated Voltage	250V、400 V、630 V、1000 V		
电容量范围 Capacitance Range	0.0047μF~10μF		
容量偏差 Capacitance Tolerance	±5%(J) ; ±10%(K) ; ±20% (M) (1kHz)		
耐电压 Voltage Proof	1.4*UR(5S)		
损耗角正切 Dissipation Factor	≤10×20 ⁻³ (20℃;1kHz)		
绝缘电阻 Insulation Resistance	UR>100V	CR ≤ 0.33 μF ≥15000 MΩ CR >0.33 μF ≥5000 S	20℃, 100VDC,1min

■ 产品结构

- 介 质：聚酯薄膜
- 电容器电极：真空蒸镀电极
- 内部结构：

■ Construction

- Dielectric: Polyester film
- Capacitor electrodes: Vacuum-deposited
- Internal construction



■ 标准品一览表 Standard size

□: 容量偏差 Tolerance +: 脚型 Lead kinked

250VDC/160VAC						400VDC/200VAC					
C _N (uF)	尺寸 Dimensions(mm)				编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)				编号 Part No.
	D	W	L	d			D	W	L	d	
0.10	5.5	20.0	30	0.6	C30104**C*□2NE+000	0.039	5.2	20.0	30	0.6	C30393**C*□2WE+000
0.12	“	“	“	“	C30124**C*□2NE+000	0.047	6.5	“	“	“	C30473**C*□2WE+000
0.15	“	“	“	“	C30154**C*□2NE+000	0.056	“	“	“	“	C30563**C*□2WE+000
0.18	“	“	“	“	C30184**C*□2NE+000	0.068	“	“	“	“	C30683**C*□2WE+000
0.22	6.0	“	“	“	C30224**C*□2NE+000	0.082	7.0	“	“	0.8	C30823**C*□2WF+000
0.27	6.5	“	“	“	C30274**C*□2NE+000	0.10	7.5	“	“	“	C30104**C*□2WF+000
0.33	“	“	“	“	C30334**C*□2NE+000	0.12	8.0	“	“	“	C30124**C*□2WF+000
0.39	“	“	“	“	C30394**C*□2NE+000	0.15	7.0	“	“	“	C30154**C*□2WF+000
0.47	7.0	“	“	0.8	C30474**C*□2NF+000	0.18	“	“	“	“	C30184**C*□2WF+000
0.56	7.5	“	“	“	C30564**C*□2NF+000	0.22	7.5	“	“	“	C30224**C*□2WF+000
0.68	8.0	“	“	“	C30684**C*□2NF+000	0.27	8.0	“	“	“	C30274**C*□2WF+000
0.82	8.5	“	“	“	C30824**C*□2NF+000	0.33	9.0	“	“	“	C30334**C*□2WF+000
1.0	9.0	“	“	“	C30105**C*□2NF+000	0.39	9.5	“	“	“	C30394**C*□2WF+000
1.2	8.5	30.0	“	“	C30125**E*□2NF+000	0.47	8.5	30.0	“	“	C30474**E*□2WF+000
1.5	9.0	“	“	“	C30155**E*□2NF+000	0.56	9.0	“	“	“	C30564**E*□2WF+000
1.8	9.5	“	“	“	C30185**E*□2NF+000	0.68	10.0	“	“	“	C30684**E*□2WF+000
2.2	11.0	32.0	“	“	C30225**G*□2NF+000	0.82	10.5	“	“	“	C30824**E*□2WF+000
2.7	12.0	“	“	“	C30275**G*□2NF+000	1.0	“	32.0	“	“	C30105**G*□2WF+000
3.3	13.0	“	“	“	C30335**G*□2NF+000	1.5	12.5	“	“	“	C30155**G*□2WF+000
3.9	14.5	“	“	“	C30395**G*□2NF+000	1.8	13.5	“	“	“	C30185**G*□2WF+000
4.7	15.5	“	“	“	C30475**G*□2NF+000	2.2	14.5	“	“	“	C30225**G*□2WF+000
5.6	16.5	“	“	1.0	C30565**G*□2NG+000	2.7	16.0	“	“	1.0	C30275**G*□2WG+000
6.8	18.5	“	“	“	C30685**G*□2NG+000	3.3	17.5	“	“	“	C30335**G*□2WG+000
8.2	20.0	“	“	“	C30825**G*□2NG+000						
10.0	22.0	“	“	“	C30106**G*□2NG+000						

◇ 备注：特殊需要可根据客户要求另行设计

◇ Note: Special requirements can be designed according to customer requirements.

■ 标准品一览表 Standard size

□: 容量偏差 Tolerance +: 脚型 Lead kinked

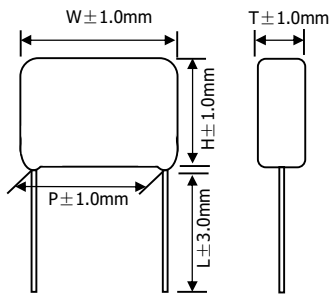
630VDC/220VAC						1000VDC/250VAC					
C _N (uF)	尺寸 Dimensions(mm)				编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)				编号 Part No.
	D	W	L	d			D	W	L	d	
0.010	6.0	20.0	30	“0.6	C30103**C*□25E+000	0.0047	5.2	20.0	30	0.6	C30472**C*□3AE+000
0.012	“	“	“	“	C30123**C*□25E+000	0.0056	“	“	“	“	C30562**C*□3AE+000
0.015	6.5	“	“	“	C30153**C*□25E+000	0.0068	“	“	“	“	C30682**C*□3AE+000
0.018	7.0	“	“	0.8	C30183**C*□25F+000	0.0082	6.0	“	“	“	C30822**C*□3AE+000
0.022	7.5	“	“	“	C30223**C*□25F+000	0.010	“	“	“	“	C30103**C*□3AE+000
0.027	8.0	“	“	“	C30273**C*□25F+000	0.012	“	“	“	“	C30123**C*□3AE+000
0.033	7.0	“	“	“	C30333**C*□25F+000	0.015	6.5	“	“	“	C30153**C*□3AE+000
0.039	7.5	“	“	“	C30393**C*□25F+000	0.018	“	“	“	“	C30183**C*□3AE+000
0.047	“	“	“	“	C30473**C*□25F+000	0.022	7.0	“	“	0.8	C30223**C*□3AF+000
0.056	8.5	“	“	“	C30563**C*□25F+000	0.027	7.5	“	“	“	C30273**C*□3AF+000
0.068	8.5	“	“	“	C30683**C*□25F+000	0.033	6.5	30.0	“	0.6	C30333**E*□3AE+000
0.082	9.0	“	“	“	C30823**C*□25F+000	0.039	“	“	“	“	C30393**E*□3AE+000
0.10	8.0	30.0	“	“	C30104**E*□25F+000	0.047	7.0	“	“	0.8	C30473**E*□3AF+000
0.12	8.5	“	“	“	C30124**E*□25F+000	0.056	7.5	“	“	“	C30563**E*□3AF+000
0.15	9.0	“	“	“	C30154**E*□25F+000	0.068	8.0	“	“	“	C30683**E*□3AF+000
0.18	10.0	“	“	“	C30184**E*□25F+000	0.082	8.5	“	“	“	C30823**E*□3AF+000
0.22	10.5	“	“	“	C30224**E*□25F+000	0.10	9.0	“	“	“	C30104**E*□3AF+000
0.27	11.5	“	“	“	C30274**E*□25F+000	0.12	9.5	“	“	“	C30124**E*□3AF+000
0.33	11.0	32.0	“	“	C30334**G*□25F+000	0.15	“	32.0	“	“	C30154**G*□3AF+000
0.39	12.0	“	“	“	C30394**G*□25F+000	0.18	10.0	“	“	“	C30184**G*□3AF+000
0.47	12.5	“	“	“	C30474**G*□25F+000	0.22	11.0	“	“	“	C30224**G*□3AF+000
0.56	13.5	“	“	“	C30564**G*□25F+000	0.27	12.0	“	“	“	C30274**G*□3AF+000
0.68	14.5	“	“	“	C30684**G*□25F+000	0.33	13.0	“	“	“	C30334**G*□3AF+000
0.82	16.0	“	“	1.0	C30824**G*□25G+000	0.39	14.0	“	“	“	C30394**G*□3AF+000
1.0	17.0	“	“	“	C30105**G*□25G+000	0.47	15.0	“	“	“	C30474**G*□3AF+000

◇ 备注：特殊需要可根据客户要求另行设计

◇ Note: Special requirements can be designed according to customer requirements.

C31 系列 SERIES

■ 外形图



■ Outline Drawing



■ 特点

- 采用金属化聚脂薄膜无感卷绕结构。
- 使用阻燃性（UL94V-0）环氧树脂包封。
- 具有良好自愈性、可靠性、容量稳定性高、体积小。

■ Features

- High impedance, non inductance structure, winding metallized polyester film
- High reliability and stability of capacitance
- Self-healing property

■ 主要用途

- 用于直流和脉动电路，广泛用于各种电子电器工业设备的滤波、隔直、旁路、耦合、降噪。

■ Typical application

- Widely used for the DC and pulse circuit, Used in electrical and industrial equipment for filtering blocking etc.

■ 技术参数 Technical Specifications

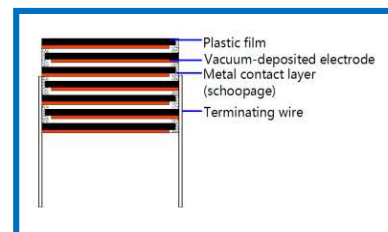
项目 Items	性能要求 Characteristics		
引用标准 Reference Standard	GB/T 7332 (IEC60384-2)		
气候类别 Climatic Category	40/125/21		
额定温度 Rate Temperature	85℃		
工作温度范围 Operating Temperature Range	-40~125℃ (+85℃to +125℃:decreasing factor 1.25% per °C for VR(DC))		
额定电压 Rated Voltage	250V、400V、450V、630V		
电容量范围 Capacitance Range	0.01μF~10μF		
容量偏差 Capacitance Tolerance	±5%(J) ; ±10%(K) ; ±20% (M) (1kHz)		
耐电压 Voltage Proof	1.4*UR(5S)		
损耗角正切 Dissipation Factor	≤10×10 ⁻³ (20℃;1kHz)		
绝缘电阻 Insulation Resistance	UR > 100V	CR ≤ 0.33 μF ≥ 7500 MΩ CR > 0.33 μF ≥ 2500 S	20℃, 100VDC, 1min

■ 产品结构

介 质：聚酯薄膜
电容器电极：真空蒸镀电极
内部结构：

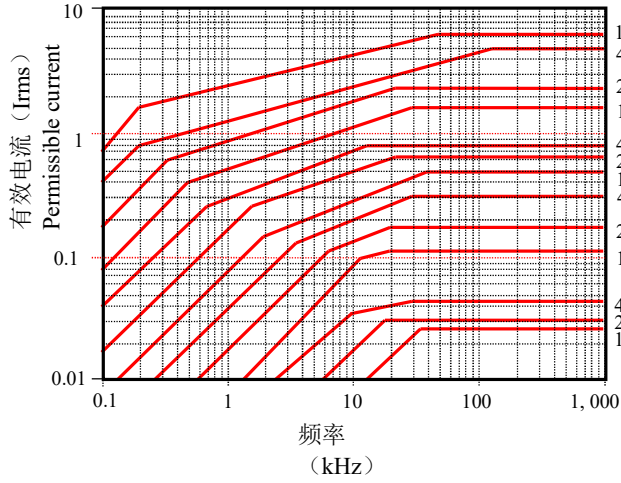
■ Construction

Dielectric: Polyester film
Capacitor electrodes: Vacuum-deposited
Internal construction

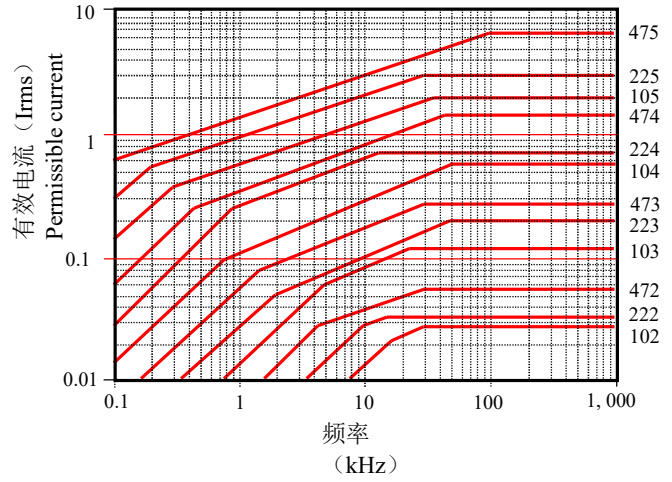


■ 相对于频率的允许电流 Permissible current for frequency

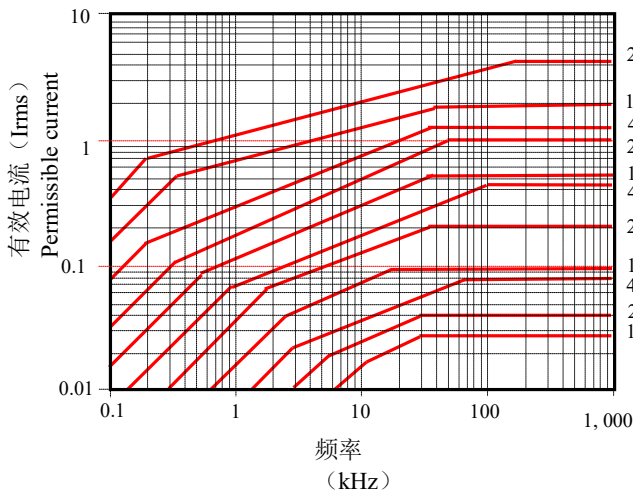
C31/250V



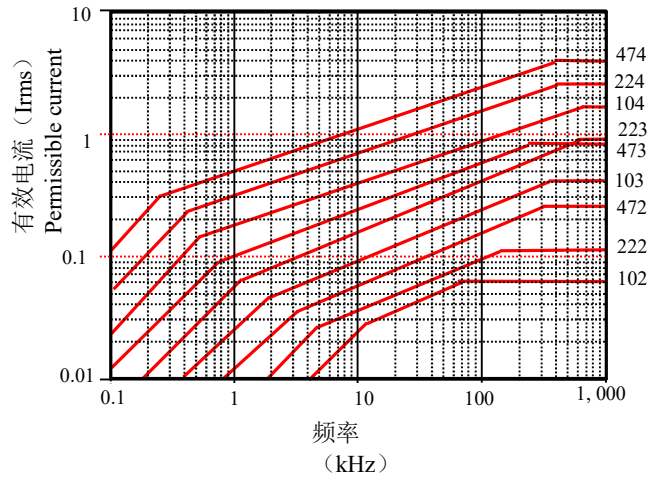
C31/400V/450V



C31/630V



C31/1000V



■ 标准品一览表 Standard size

□: 容量偏差 Tolerance +: 脚型 Lead kinked

250VDC/160VAC							400VDC/450VDC/200VAC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
0.0010	11.5	7.0	3.5	10.0	0.6	C31102**C*□2NB+000	0.0010	11.5	7.0	3.5	10.0	0.6	C31102**C*□2WB+000
0.0012	“	“	“	“	“	C31122**C*□2NB+000	0.0012	“	“	“	“	“	C31122**C*□2WB+000
0.0015	“	7.0	3.5	“	“	C31152**C*□2NB+000	0.0015	“	7.0	3.5	“	“	C31152**C*□2WB+000
0.0018	“	7.5	3.7	“	“	C31182**C*□2NB+000	0.0018	“	7.5	3.7	“	“	C31182**C*□2WB+000
0.0022	“	“	4.0	“	“	C31222**C*□2NB+000	0.0022	“	“	4.0	“	“	C31222**C*□2WB+000
0.0027	“	8.0	4.3	“	“	C31272**C*□2NB+000	0.0027	“	8.0	4.3	“	“	C31272**C*□2WB+000
0.0033	“	“	4.5	“	“	C31332**C*□2NB+000	0.0033	“	“	4.5	“	“	C31332**C*□2WB+000
0.0039	“	8.5	5.0	“	“	C31392**C*□2NB+000	0.0039	“	8.5	5.0	“	“	C31392**C*□2WB+000
0.0047	“	9.0	5.5	“	“	C31472**C*□2NB+000	0.0047	“	7.0	3.5	“	“	C31472**C*□2WB+000
0.0056	“	9.5	5.8	“	“	C31562**C*□2NB+000	0.0056	“	7.5	4.0	“	“	C31562**C*□2WB+000
0.0068	“	7.5	4.0	“	“	C31682**C*□2NB+000	0.0068	“	“	4.2	“	“	C31682**C*□2WB+000
0.0082	“	8.0	4.5	“	“	C31822**C*□2NB+000	0.0082	“	8.0	4.5	“	“	C31822**C*□2WB+000
0.010	“	7.0	3.5	“	“	C31103**C*□2NB+000	0.010	“	8.5	5.0	“	“	C31103**C*□2WB+000
0.012	“	7.5	4.0	“	“	C31123**C*□2NB+000	0.012	“	9.0	“	“	“	C31123**C*□2WB+000
0.015	“	8.0	4.5	“	“	C31153**C*□2NB+000	0.015	“	9.5	5.5	“	“	C31153**C*□2WB+000
0.018	“	“	“	“	“	C31183**C*□2NB+000	0.018	“	10.0	6.5	“	“	C31183**C*□2WB+000
0.022	“	8.5	5.0	“	“	C31223**C*□2NB+000	0.022	“	7.0	3.5	“	“	C31223**C*□2WB+000
0.027	“	9.0	5.5	“	“	C31273**C*□2NB+000	0.027	“	7.5	4.0	“	“	C31273**C*□2WB+000
0.033	“	8.5	4.0	“	“	C31333**C*□2NB+000	0.033	“	8.0	4.2	“	“	C31333**C*□2WB+000
0.039	“	8.5	4.5	“	“	C31393**C*□2NB+000	0.039	“	“	4.5	“	“	C31393**C*□2WB+000
0.047	“	9.0	4.5	“	“	C31473**C*□2NB+000	0.047	“	7.0	3.5	“	“	C31473**C*□2WB+000
0.056	“	7.5	4.0	“	“	C31563**C*□2NB+000	0.056	“	7.5	4.0	“	“	C31563**C*□2WB+000
0.068	“	8.0	4.5	“	“	C31683**C*□2NB+000	0.068	“	7.8	“	“	“	C31683**C*□2WB+000
0.082	“	8.5	“	“	“	C31823**C*□2NB+000	0.082	“	8.0	4.5	“	“	C31823**C*□2WB+000
0.10	“	“	5.0	“	“	C31104**C*□2NB+000	0.10	“	8.5	5.0	“	“	C31104**C*□2WB+000
0.12	“	9.0	5.5	“	“	C31124**C*□2NB+000	0.12	“	9.0	5.5	“	“	C31124**C*□2WB+000
0.15	16.5	7.5	4.0	15.0	0.8	C31154**E*□2NC+000	0.15	“	9.5	6.0	“	“	C31154**C*□2WB+000
0.18	“	8.5	5.0	“	“	C31184**E*□2NC+000	0.18	“	10.0	6.5	“	“	C31184**C*□2WB+000
0.22	“	9.0	5.2	“	“	C31224**E*□2NC+000	0.22	16.5	9.5	5.0	15.0	0.8	C31224**E*□2WC+000
0.27	“	9.5	6.0	“	“	C31274**E*□2NC+000	0.27	“	10.0	5.5	“	“	C31274**E*□2WC+000
0.33	“	8.0	4.5	“	“	C31334**E*□2NC+000	0.33	“	10.5	6.0	“	“	C31334**E*□2WC+000
0.39	“	8.5	5.0	“	“	C31394**E*□2NC+000	0.39	“	11.0	6.5	“	“	C31394**E*□2WC+000
0.47	“	9.0	5.5	“	“	C31474**E*□2NC+000	0.47	“	11.5	7.2	“	“	C31474**E*□2WC+000
0.56	“	9.5	5.8	“	“	C31564**E*□2NC+000	0.56	21.5	12.5	5.5	20.0	“	C31564**F*□2WC+000
0.68	“	10.0	6.5	“	“	C31684**E*□2NC+000	0.68	“	13.0	6.2	“	“	C31684**F*□2WC+000
0.82	“	10.5	7.0	“	“	C31824**E*□2NC+000	0.82	“	13.7	7.0	“	“	C31824**F*□2WC+000
1.0	“	11.5	7.5	“	“	C31105**E*□2NC+000	1.0	“	14.5	7.7	“	“	C31105**F*□2WC+000
1.2	“	12.0	8.5	“	“	C31125**E*□2NC+000	1.2	“	15.0	8.5	“	“	C31125**F*□2WC+000

◇ 备注：特殊需要可根据客户要求另行设计

◇ Note: Special requirements can be designed according to customer requirements.

■ 标准品一览表 Standard size

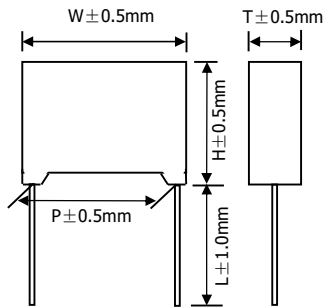
□: 容量偏差 Tolerance +: 脚型 Lead kinked

250VDC/160VAC							400VDC/450VDC/200VAC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
1.5	21.5	13.5	6.5	20.0	0.8	C31155**F*□2NC+000	1.5	21.5	16.5	9.5	20	0.8	C31155**F*□2WC+000
1.8	“	14.0	7.5	“	“	C31185**F*□2NC+000	1.8	“	17.5	10.5	“	“	C31185**F*□2WC+000
2.2	23.5	14.5	8.0	22.5	“	C31225**G*□2NC+000	2.2	“	18.8	12.0	“	“	C31225**G*□2WC+000
2.7	“	15.5	8.7	“	“	C31275**G*□2NC+000	2.7	23.5	19.5	12.5	22.5	“	C31275**G*□2WC+000
3.3	“	16.5	10.0	“	“	C31335**G*□2NC+000	3.3	“	21.0	14.0	“	“	C31335**G*□2WC+000
3.9	“	19.5	9.5	“	“	C31395**G*□2NC+000	3.9	28.5	20.0	13.5	27.5	“	C31395**H*□2WC+000
4.7	28.5	19.0	9.0	27.5	“	C31475**H*□2NC+000	4.7	“	21.5	15.0	“	“	C31475**H*□2WC+000
5.6	“	20.0	10.0	“	“	C31565**H*□2NC+000							
6.8	“	21.0	11.5	“	“	C31685**H*□2NC+000							
8.2	“	22.5	12.5	“	“	C31825**H*□2NC+000							
10.0	“	24.0	14.2	“	1.0	C31106**H*□2NG+000							
630VDC/220VAC							630VDC/220VAC						
0.0010	11.5	7.0	3.5	10.0	0.6	C31102**C*□25B+000	0.082	16.5	9.0	4.5	15.0	0.8	C31823**E*□25C+000
0.0012	“	“	“	“	“	C31122**C*□25B+000	0.10	“	9.3	4.8	“	“	C31104**E*□25C+000
0.0015	“	7.0	3.5	“	“	C31152**C*□25B+000	0.12	“	9.7	5.3	“	“	C31124**E*□25C+000
0.0018	“	7.5	3.7	“	“	C31182**C*□25B+000	0.15	“	10.3	5.8	“	“	C31154**E*□25C+000
0.0022	“	“	4.0	“	“	C31222**C*□25B+000	0.18	“	10.8	6.5	“	“	C31184**E*□25C+000
0.0027	“	8.0	4.3	“	“	C31272**C*□25B+000	0.22	“	11.5	7.0	“	“	C31224**E*□25C+000
0.0033	“	“	4.5	“	“	C31332**C*□25B+000	0.27	“	12.2	7.8	“	“	C31274**E*□25C+000
0.0039	“	8.5	5.0	“	“	C31392**C*□25B+000	0.33	“	13.0	8.5	“	“	C31334**E*□25C+000
0.0047	“	7.0	3.5	“	“	C31472**C*□25B+000	0.39	21.5	13.5	6.8	20.0	“	C31394**F*□25C+000
0.0056	“	7.5	4.0	“	“	C31562**C*□25B+000	0.47	“	14.3	7.5	“	“	C31474**F*□25C+000
0.0068	“	“	4.2	“	“	C31682**C*□25B+000	0.56	“	15.0	8.3	“	“	C31564**F*□25C+000
0.0082	“	8.0	4.5	“	“	C31822**C*□25B+000	0.68	“	16.0	9.0	“	“	C31684**F*□25C+000
0.010	“	8.5	5.0	“	“	C31103**C*□25B+000	0.82	“	17.0	10.0	“	“	C31824**F*□25C+000
0.012	“	9.0	“	“	“	C31123**C*□25B+000	1.0	23.5	19.5	9.5	22.5	“	C31105**G*□25C+000
0.015	“	9.5	5.5	“	“	C31153**C*□25B+000	1.2	28.5	19.0	9.0	27.5	“	C31125**H*□25C+000
0.018	“	10.0	6.5	“	“	C31183**C*□25B+000	1.5	“	20.2	10.5	“	“	C31155**H*□25C+000
0.022	“	7.0	3.5	“	“	C31223**C*□25B+000	1.8	“	21.5	11.5	“	“	C31185**H*□25C+000
0.027	“	7.5	4.0	“	“	C31273**C*□25B+000	2.2	“	22.8	13.0	“	“	C31225**H*□25C+000
0.033	“	8.0	4.2	“	“	C31333**C*□25B+000							
0.039	“	“	4.5	“	“	C31393**C*□25B+000							
0.047	“	8.5	5.0	“	“	C31473**C*□25B+000							
0.056	“	9.0	5.3	“	“	C31563**C*□25B+000							
0.068	“	9.5	5.8	“	“	C31683**C*□25B+000							

◇ 备注：特殊需要可根据客户要求另行设计
 ◇ Note: Special requirements can be designed according to customer requirements.

C33 系列 SERIES

■ 外形图



■ Outline Drawing



■ 特点

- 采用金属化聚酯薄膜。
- 使用阻燃性 (UL94V-0) 环氧树脂包封。
- 抗脉冲能力强。

■ Features

- Metallized polyester film
- Plastic case (UL94V-0), Epoxy resin sealing
- High dv/dt ability

■ 主要用途

- 用于直流和脉动电路，广泛用于各种电子电器工业设备的滤波、隔直、旁路、耦合、降噪。LCD 监视器整流，汽车直流马达抑制干扰

■ Typical application

- Widely used in high frequency AC/DC and pulse circuit. Used in electrical and industrial equipment for filtering blocking etc. Inverter for LCD monitors, automotive DC motor suppression.

■ 技术参数 Technical Specifications

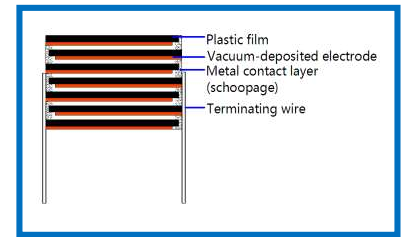
项目 Items	性能要求 Characteristics		
引用标准 Reference Standard	GB/T 7332 (IEC60384-2)		
气候类别 Climatic Category	55/125/56		
额定温度 Rate Temperature	85℃		
工作温度范围 Operating Temperature Range	-55~125℃ (+85℃to +125℃:decreasing factor 1.25% per °C for VR(DC))		
额定电压 Rated Voltage	63V、100V、250V、400V		
电容量范围 Capacitance Range	0.001μF~2.2μF		
容量偏差 Capacitance Tolerance	±5%(J) ; ±10%(K) ; ±20% (M) (1kHz)		
耐电压 Voltage Proof	1.4*U _R (5S)		
损耗角正切 Dissipation Factor	Frequency	C≤0.1uF	C>0.1uF
	1kHZ	≤0.0100	≤0.0100
	10kHZ	≤0.0150	≤0.0150
	100kHZ	≤0.0300	-----
绝缘电阻 Insulation Resistance	U _R >100V	CR ≤0.33 μF ≥30 000 MΩ CR >0.33 μF ≥10 000 S	20℃, 100VDC,1min
	U _R ≤100V	CR ≤0.33 μF ≥15 000 MΩ 0.33 μF<CR ≤1.0 μF ≥5000 S CR >1.0μF ≥1000 S	20℃, 10VDC,1min

■产品结构

- 介 质：金属化聚酯薄膜
- 电容器电极：真空蒸镀电极
- 内部结构：

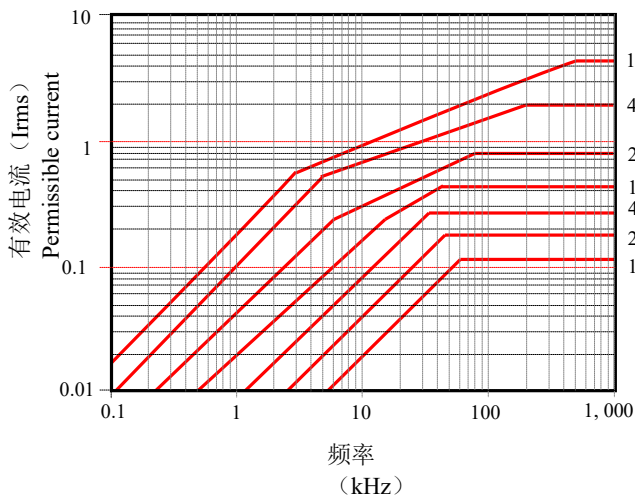
■Construction

- Dielectric: Metallized polyester film
- Capacitor electrodes: Vacuum-deposited
- Internal construction

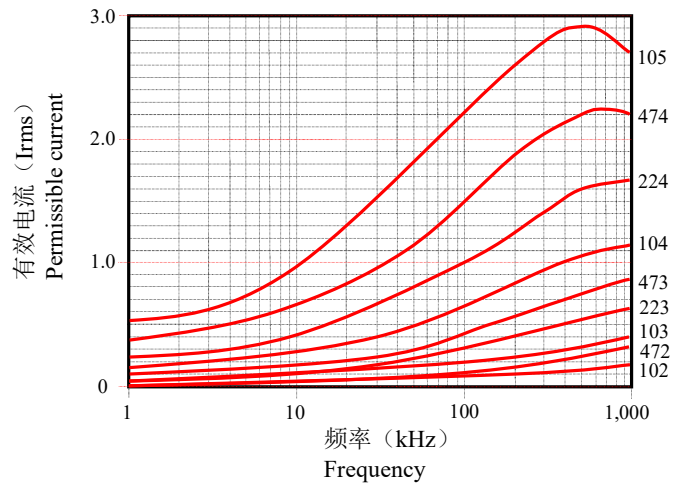


■ 相对于频率的允许电流 Permissible current for frequency

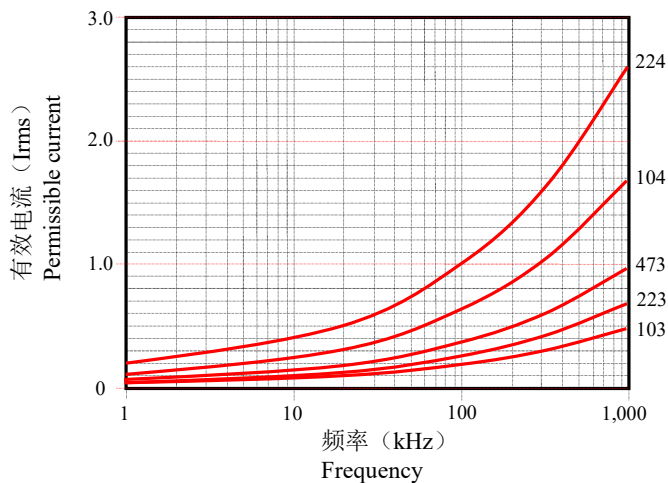
C33/ 63V



C33/ 100V



C33/ 250V



■ 标准品一览表 Standard size

□: 容量偏差 Tolerance +: 脚型 Lead kinked

63VDC/40VAC							100VDC/63VAC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
0.0010	7.2	6.5	2.5	5.0	0.5	C33102**A*□15D+000	0.0010	7.2	6.5	2.5	5.0	0.5	C33102**A*□2AD+000
0.0012	“	“	“	“	“	C33122**A*□15D+000	0.0012	“	“	“	“	“	C33122**A*□2AD+000
0.0015	“	“	“	“	“	C33152**A*□15D+000	0.0015	“	“	“	“	“	C33152**A*□2AD+000
0.0018	“	“	“	“	“	C33182**A*□15D+000	0.0018	“	“	“	“	“	C33182**A*□2AD+000
0.0022	“	“	“	“	“	C33222**A*□15D+000	0.0022	“	“	“	“	“	C33222**A*□2AD+000
0.0027	“	“	“	“	“	C33272**A*□15D+000	0.0027	“	“	“	“	“	C33272**A*□2AD+000
0.0033	“	“	“	“	“	C33332**A*□15D+000	0.0033	“	“	“	“	“	C33332**A*□2AD+000
0.0039	“	“	“	“	“	C33392**A*□15D+000	0.0039	“	“	“	“	“	C33392**A*□2AD+000
0.0047	“	“	“	“	“	C33472**A*□15D+000	0.0047	“	“	“	“	“	C33472**A*□2AD+000
0.0056	“	“	“	“	“	C33562**A*□15D+000	0.0056	“	“	“	“	“	C33562**A*□2AD+000
0.0068	“	“	“	“	“	C33682**A*□15D+000	0.0068	“	“	“	“	“	C33682**A*□2AD+000
0.0082	“	“	“	“	“	C33822**A*□15D+000	0.0082	“	“	“	“	“	C33822**A*□2AD+000
0.010	“	“	“	“	“	C33103**A*□15D+000	0.010	“	“	“	“	“	C33103**A*□2AD+000
0.012	“	“	“	“	“	C33123**A*□15D+000	0.012	“	“	“	“	“	C33123**A*□2AD+000
0.015	“	“	“	“	“	C33153**A*□15D+000	0.015	“	“	“	“	“	C33153**A*□2AD+000
0.018	“	“	“	“	“	C33183**A*□15D+000	0.018	“	“	“	“	“	C33183**A*□2AD+000
0.022	“	“	“	“	“	C33223**A*□15D+000	0.022	“	“	“	“	“	C33223**A*□2AD+000
0.027	“	“	“	“	“	C33273**A*□15D+000	0.027	“	“	“	“	“	C33273**A*□2AD+000
0.033	“	“	“	“	“	C33333**A*□15D+000	0.033	“	“	“	“	“	C33333**A*□2AD+000
0.039	“	“	“	“	“	C33393**A*□15D+000	0.039	“	“	“	“	“	C33393**A*□2AD+000
0.047	“	“	“	“	“	C33473**A*□15D+000	0.047	“	“	“	“	“	C33473**A*□2AD+000
0.056	“	“	“	“	“	C33563**A*□15D+000	0.056	“	“	“	“	“	C33563**A*□2AD+000
0.068	“	“	“	“	“	C33683**A*□15D+000	0.068	“	“	“	“	“	C33683**A*□2AD+000
0.082	“	“	“	“	“	C33823**A*□15D+000	0.082	“	“	“	“	“	C33823**A*□2AD+000
0.10	“	“	“	“	“	C33104**A*□15D+000	0.10	“	7.5	3.5	“	“	C33104**A*□2AD+000
0.12	“	“	“	“	“	C33124**A*□15D+000	0.12	“	9.5	4.5	“	0.6	C33124**A*□2AE+000
0.15	“	7.5	3.5	“	“	C33154**A*□15D+000	0.15	“	“	“	“	“	C33154**A*□2AE+000
0.18	“	“	“	“	“	C33184**A*□15D+000	0.18	“	“	“	“	“	C33184**A*□2AE+000
0.22	“	“	“	“	“	C33224**A*□15D+000	0.22	“	10.0	5.0	“	“	C33224**A*□2AE+000
0.27	“	9.5	4.5	“	0.6	C33274**A*□15E+000	0.27	“	“	“	“	“	C33274**A*□2AE+000
0.33	“	“	“	“	“	C33334**A*□15E+000	0.33	“	11.0	6.0	“	“	C33334**A*□2AE+000
0.39	“	“	“	“	“	C33394**A*□15E+000	0.39	“	“	“	“	“	C33394**A*□2AE+000
0.47	“	10.0	5.0	“	“	C33474**A*□15E+000	0.47	“	“	“	“	“	C33474**A*□2AE+000
0.56	“	“	“	“	“	C33564**A*□15E+000	0.56	“	“	“	“	“	C33564**A*□2AE+000
0.68	“	11.0	6.0	“	“	C33684**A*□15E+000							
0.82	“	“	“	“	“	C33824**A*□15E+000							
1.0	“	“	“	“	“	C33105**A*□15E+000							

◇ 备注：特殊需要可根据客户要求另行设计

◇ Note: Special requirements can be designed according to customer requirements.

■ 标准品一览表 Standard size

□: 容量偏差 Tolerance +: 脚型 Lead kinked

250VDC/140VAC							400VDC/160VAC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
0.0010	7.2	6.5	2.5	5.0	0.5	C33102**A*□2ND+000	0.0010	7.2	6.5	2.5	5.0	0.5	C33102**A*□2WD+000
0.0012	“	“	“	“	“	C33122**A*□2ND+000	0.0012	“	“	“	“	“	C33122**A*□2WD+000
0.0015	“	“	“	“	“	C33152**A*□2ND+000	0.0015	“	“	“	“	“	C33152**A*□2WD+000
0.0018	“	“	“	“	“	C33182**A*□2ND+000	0.0018	“	“	“	“	“	C33182**A*□2WD+000
0.0022	“	“	“	“	“	C33222**A*□2ND+000	0.0022	“	“	“	“	“	C33222**A*□2WD+000
0.0027	“	“	“	“	“	C33272**A*□2ND+000	0.0027	“	“	“	“	“	C33272**A*□2WD+000
0.0033	“	“	“	“	“	C33332**A*□2ND+000	0.0033	“	“	“	“	“	C33332**A*□2WD+000
0.0039	“	“	“	“	“	C33392**A*□2ND+000	0.0039	“	“	“	“	“	C33392**A*□2WD+000
0.0047	“	“	“	“	“	C33472**A*□2ND+000	0.0047	“	“	“	“	“	C33472**A*□2WD+000
0.0056	“	“	“	“	“	C33562**A*□2ND+000	0.0056	“	7.5	3.5	“	“	C33562**A*□2WD+000
0.0068	“	“	“	“	“	C33682**A*□2ND+000	0.0068	“	“	“	“	“	C33682**A*□2WD+000
0.0082	“	“	“	“	“	C33822**A*□2ND+000	0.0082	“	“	“	“	“	C33822**A*□2WD+000
0.010	“	“	“	“	“	C33103**A*□2ND+000	0.010	“	“	“	“	“	C33103**A*□2WD+000
0.012	“	“	“	“	“	C33123**A*□2ND+000	0.012	“	9.5	4.5	“	0.6	C33123**A*□2WE+000
0.015	“	“	“	“	“	C33153**A*□2ND+000	0.015	“	“	“	“	“	C33153**A*□2WE+000
0.018	“	“	“	“	“	C33183**A*□2ND+000	0.018	“	“	“	“	“	C33183**A*□2WE+000
0.022	“	7.5	3.5	“	“	C33223**A*□2ND+000	0.022	“	10.0	5.0	“	“	C33223**A*□2WE+000
0.027	“	“	“	“	“	C33273**A*□2ND+000	0.027	“	11.0	6.0	“	“	C33273**A*□2WE+000
0.033	“	“	“	“	“	C33333**A*□2ND+000	0.033	“	“	“	“	“	C33333**A*□2WE+000
0.039	“	“	“	“	“	C33393**A*□2ND+000	0.039	“	“	“	“	“	C33393**A*□2WE+000
0.047	“	9.5	4.5	“	0.6	C33473**A*□2NE+000	0.047	“	“	“	“	“	C33473**A*□2WE+000
0.056	“	“	“	“	“	C33563**A*□2NE+000							
0.068	“	“	“	“	“	C33683**A*□2NE+000							
0.082	“	10.0	5.0	“	“	C33823**A*□2NE+000							
0.10	“	“	“	“	“	C33104**A*□2NE+000							
0.12	“	11.0	6.0	“	“	C33124**A*□2NE+000							
0.15	“	“	“	“	“	C33154**A*□2NE+000							

- ◇ 备注：特殊需要可根据客户要求另行设计
- ◇ Note: Special requirements can be designed according to customer requirements.

■ 标准品一览表 Standard size

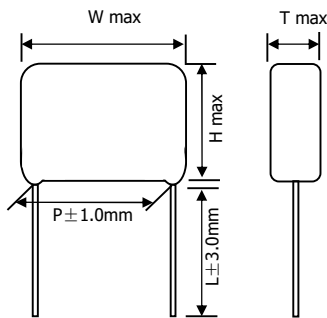
□: 容量偏差 Tolerance +: 脚型 Lead kinked

500VDC/220VAC							630VDC/220VAC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
0.0010	7.2	6.5	2.5	5.0	0.5	C33102**A*□2YD+000	0.0010	7.2	6.5	2.5	5.0	0.5	C33102**A*□25D+000
0.0012	“	“	“	“	“	C33122**A*□2YD+000	0.0012	“	“	“	“	“	C33122**A*□25D+000
0.0015	“	“	“	“	“	C33152**A*□2YD+000	0.0015	“	“	“	“	“	C33152**A*□25D+000
0.0018	“	“	“	“	“	C33182**A*□2YD+000	0.0018	“	7.5	3.5	“	“	C33182**A*□25D+000
0.0022	“	“	“	“	“	C33222**A*□2YD+000	0.0022	“	“	“	“	“	C33222**A*□25D+000
0.0027	“	“	“	“	“	C33272**A*□2YD+000	0.0027	“	“	“	“	“	C33272**A*□25D+000
0.0033	“	7.5	3.5	“	“	C33332**A*□2YD+000	0.0033	“	“	“	“	“	C33332**A*□25D+000
0.0039	“	“	“	“	“	C33392**A*□2YD+000	0.0039	“	“	“	“	“	C33392**A*□25D+000
0.0047	“	“	“	“	“	C33472**A*□2YD+000	0.0047	“	9.5	4.5	“	0.6	C33472**A*□25E+000
0.0056	“	“	“	“	“	C33562**A*□2YD+000	0.0056	“	“	“	“	“	C33562**A*□25E+000
0.0068	“	9.5	4.5	“	0.6	C33682**A*□2YE+000	0.0068	“	“	“	“	“	C33682**A*□25E+000
0.0082	“	“	“	“	“	C33822**A*□2YE+000	0.0082	“	“	“	“	“	C33822**A*□25E+000
0.010	“	“	“	“	“	C33103**A*□2YE+000	0.010	“	10.0	5.0	“	“	C33103**A*□25E+000
0.012	“	“	“	“	“	C33123**A*□2YE+000	0.012	“	11.0	6.0	“	“	C33123**A*□25E+000
0.015	“	10.0	5.0	“	“	C33153**A*□2YE+000	0.015	“	“	“	“	“	C33153**A*□25E+000
0.018	“	11.0	6.0	“	“	C33183**A*□2YE+000	0.018	“	“	“	“	“	C33183**A*□25E+000
0.022	“	“	“	“	“	C33223**A*□2YE+000							
0.027	“	“	“	“	“	C33273**A*□2YE+000							

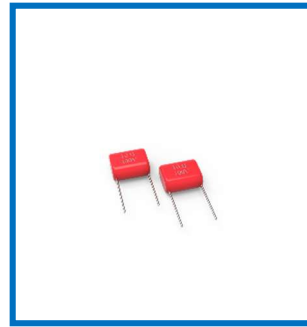
- ◇ 备注：特殊需要可根据客户要求另行设计
- ◇ Note: Special requirements can be designed according to customer requirements.

C38 系列 SERIES

■ 外形图



■ Outline Drawing



■ 特点

- 采用金属化聚脂薄膜。
- 使用阻燃性 (UL94V-0) 环氧粉末包封。
- 抗脉冲能力强。

■ Features

- Metallized polyester film
- Plastic case (UL94V-0), Flame retardation epoxy resin
- High dv/dt ability

■ 主要用途

- 用于直流和脉动电路，广泛用于各种电子电器工业设备的滤波、隔直、旁路、耦合、降噪。LCD 监视器整流，汽车直流马达抑制干扰

■ Typical application

- Widely used in high frequency AC/DC and pulse circuit. Used in electrical and industrial equipment for filtering blocking etc. Inverter for LCD monitors, automotive DC motor suppression.

■ 技术参数 Technical Specifications

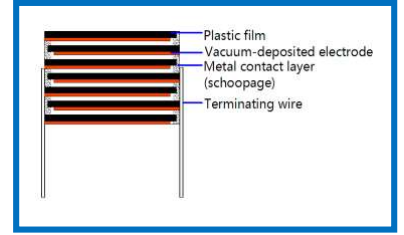
项目 Items	性能要求 Characteristics		
引用标准 Reference Standard	GB/T 7332 (IEC60384-2)		
气候类别 Climatic Category	55/125/56		
额定温度 Rate Temperature	85℃		
工作温度范围 Operating Temperature Range	-55~125℃ (+85℃to +125℃:decreasing factor 1.25% per °C for VR(DC))		
额定电压 Rated Voltage	63V、100V、250V		
电容量范围 Capacitance Range	0.01μF~3.3μF		
容量偏差 Capacitance Tolerance	±5%(J) ; ±10%(K) ; ±20% (M) (1kHz)		
耐电压 Voltage Proof	1.4*U _R (5S)		
损耗角正切 Dissipation Factor	Frequency	C≤0.1uF	C>0.1uF
	1kHz	≤0.0100	≤0.0100
	10kHz	≤0.0150	≤0.0150
	100kHz	≤0.0300	-----
绝缘电阻 Insulation Resistance	U _R >100V	CR≤0.33 μF ≥30 000 MΩ CR >0.33 μF ≥10 000 S	20℃, 100VDC,1min
	U _R ≤100V	CR≤0.33 μF ≥15 000 MΩ 0.33 μF<CR≤1.0 μF ≥5000 S CR >1.0μF ≥1000 S	20℃, 10VDC,1min

■产品结构

- 介 质：聚酯薄膜
- 电容器电极：真空蒸镀电极
- 内部结构：

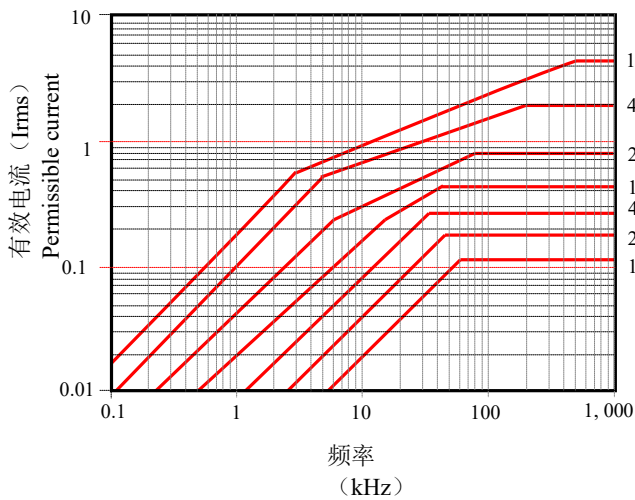
■Construction

- Dielectric: Polyester film
- Capacitor electrodes: Vacuum-deposited
- Internal construction

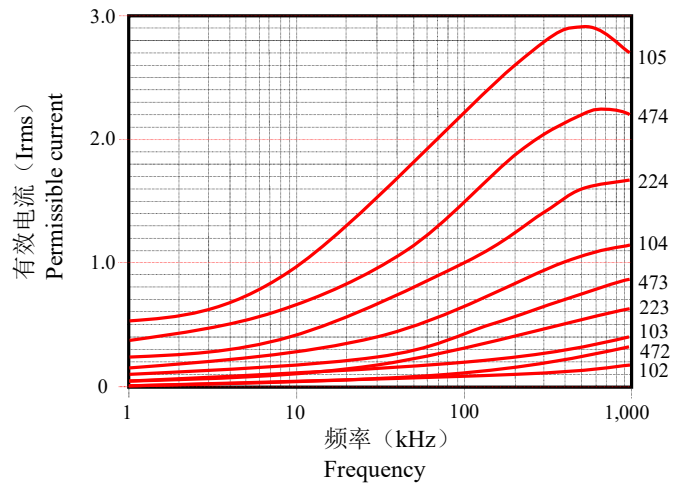


■ 相对于频率的允许电流 Permissible current for frequency

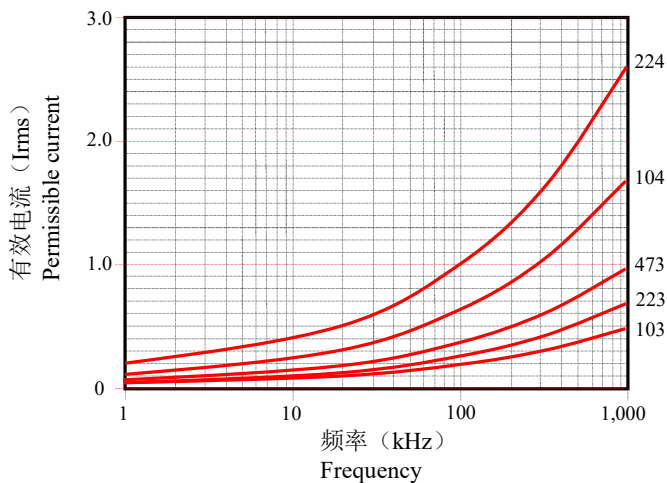
C38/ 63V



C38/ 100V



C38/ 250V



■ 标准品一览表 Standard size

□: 容量偏差 Tolerance +: 脚型 Lead kinked

50VDC/30VAC							63VDC/40VAC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
0.010	6.5	5.5	3.2	5.0	0.5	C38103**A*□1YA+000	0.010	6.5	5.5	3.2	5.0	0.5	C38103**A*□15A+000
0.012	“	“	“	“	“	C38123**A*□1YA+000	0.012	“	“	“	“	“	C38123**A*□15A+000
0.015	“	“	“	“	“	C38153**A*□1YA+000	0.015	“	“	“	“	“	C38153**A*□15A+000
0.018	“	“	“	“	“	C38183**A*□1YA+000	0.018	“	“	“	“	“	C38183**A*□15A+000
0.022	“	“	“	“	“	C38223**A*□1YA+000	0.022	“	“	“	“	“	C38223**A*□15A+000
0.027	“	“	“	“	“	C38273**A*□1YA+000	0.027	“	“	“	“	“	C38273**A*□15A+000
0.033	“	“	“	“	“	C38333**A*□1YA+000	0.033	“	“	“	“	“	C38333**A*□15A+000
0.039	“	“	“	“	“	C38393**A*□1YA+000	0.039	“	“	“	“	“	C38393**A*□15A+000
0.047	“	“	“	“	“	C38473**A*□1YA+000	0.047	“	“	“	“	“	C38473**A*□15A+000
0.056	“	“	“	“	“	C38563**A*□1YA+000	0.056	“	“	“	“	“	C38563**A*□15A+000
0.068	“	“	“	“	“	C38683**A*□1YA+000	0.068	“	“	“	“	“	C38683**A*□15A+000
0.082	“	“	“	“	“	C38823**A*□1YA+000	0.082	“	“	“	“	“	C38823**A*□15A+000
0.10	“	“	“	“	“	C38104**A*□1YA+000	0.10	“	“	“	“	“	C38104**A*□15A+000
0.12	“	“	“	“	“	C38124**A*□1YA+000	0.12	“	“	“	“	“	C38124**A*□15A+000
0.15	“	“	3.5	“	“	C38154**A*□1YA+000	0.15	“	“	3.5	“	“	C38154**A*□15A+000
0.18	“	“	4.0	“	“	C38184**A*□1YA+000	0.18	“	“	4.0	“	“	C38184**A*□15A+000
0.22	“	“	4.3	“	“	C38224**A*□1YA+000	0.22	“	“	4.3	“	“	C38224**A*□15A+000
0.27	“	7.0	“	“	“	C38274**A*□1YA+000	0.27	“	7.0	“	“	“	C38274**A*□15A+000
0.33	“	“	4.8	“	“	C38334**A*□1YA+000	0.33	“	“	4.8	“	“	C38334**A*□15A+000
0.39	“	“	5.0	“	“	C38394**A*□1YA+000	0.39	“	“	5.0	“	“	C38394**A*□15A+000
0.47	“	8.5	5.5	“	“	C38474**A*□1YA+000	0.47	“	8.5	5.5	“	“	C38474**A*□15A+000
0.56	“	“	5.8	“	“	C38564**A*□1YA+000	0.56	“	“	5.8	“	“	C38564**A*□15A+000
0.68	“	“	6.5	“	“	C38684**A*□1YA+000	0.68	“	“	6.5	“	“	C38684**A*□15A+000
0.82	“	9.5	“	“	“	C38824**A*□1YA+000	0.82	“	9.5	“	“	“	C38824**A*□15A+000
1.0	“	11.0	7.5	“	“	C38105**A*□1YA+000	1.0	“	11.0	7.5	“	“	C38105**A*□15A+000

◇ 备注：特殊需要可根据客户要求另行设计

◇ Note: Special requirements can be designed according to customer requirements.

■ 标准品一览表 Standard size

□: 容量偏差 Tolerance +: 脚型 Lead kinked

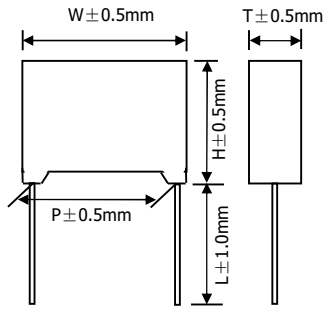
100VDC/63VAC							250VDC/140VAC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
0.010	6.5	5.5	3.2	5.0	0.5	C38103**A*□2AA+000	0.010	6.5	5.5	3.2	5.0	0.5	C38103**A*□2NA+000
0.012	“	“	“	“	“	C38123**A*□2AA+000	0.012	“	“	“	“	“	C38123**A*□2NA+000
0.015	“	“	“	“	“	C38153**A*□2AA+000	0.015	“	“	“	“	“	C38153**A*□2NA+000
0.018	“	“	“	“	“	C38183**A*□2AA+000	0.018	“	“	“	“	“	C38183**A*□2NA+000
0.022	“	“	“	“	“	C38223**A*□2AA+000	0.022	“	“	“	“	“	C38223**A*□2NA+000
0.027	“	“	“	“	“	C38273**A*□2AA+000	0.027	“	“	“	“	“	C38273**A*□2NA+000
0.033	“	“	“	“	“	C38333**A*□2AA+000	0.033	“	6.5	“	“	“	C38333**A*□2NA+000
0.039	“	“	“	“	“	C38393**A*□2AA+000	0.039	“	“	4.8	“	“	C38393**A*□2NA+000
0.047	“	“	“	“	“	C38473**A*□2AA+000	0.047	“	6.8	3.3	“	“	C38473**A*□2NA+000
0.056	“	“	“	“	“	C38563**A*□2AA+000	0.056	“	7.0	4.2	“	“	C38563**A*□2NA+000
0.068	“	“	“	“	“	C38683**A*□2AA+000	0.068	“	7.5	“	“	“	C38683**A*□2NA+000
0.082	“	“	“	“	“	C38823**A*□2AA+000	0.082	“	“	4.5	“	“	C38823**A*□2NA+000
0.10	“	“	“	“	“	C38104**A*□2AA+000	0.10	“	8.3	4.3	“	“	C38104**A*□2NA+000
0.12	“	“	“	“	“	C38124**A*□2AA+000	0.12	“	8.5	5.0	“	“	C38124**A*□2NA+000
0.15	“	“	3.5	“	“	C38154**A*□2AA+000	0.15	“	10.0	“	“	“	C38154**A*□2NA+000
0.18	“	“	4.0	“	“	C38184**A*□2AA+000	0.18	“	11.0	5.2	“	“	C38184**A*□2NA+000
0.22	“	“	4.3	“	“	C38224**A*□2AA+000	0.22	“	13.0	“	“	“	C38224**A*□2NA+000
0.27	“	7.0	“	“	“	C38274**A*□2AA+000							
0.33	“	“	4.8	“	“	C38334**A*□2AA+000							
0.39	“	“	5.0	“	“	C38394**A*□2AA+000							
0.47	“	8.5	5.5	“	“	C38474**A*□2AA+000							
0.56	“	“	5.8	“	“	C38564**A*□2AA+000							
0.68	“	“	6.5	“	“	C38684**A*□2AA+000							
0.82	“	9.5	“	“	“	C38824**A*□2AA+000							
1.0	“	11.0	7.5	“	“	C38105**A*□2AA+000							

◇ 备注：特殊需要可根据客户要求另行设计

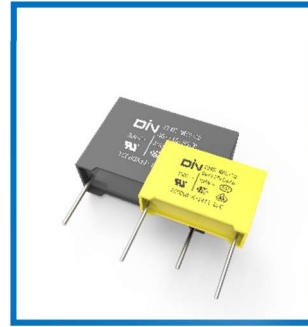
◇ Note: Special requirements can be designed according to customer requirements.

C62 系列 SERIES

■ 外形图



■ Outline Drawing



■ 特点

- 高频损耗小、内部温升小。
- 容量、损耗受温度变化小。
- 优异的阻燃、防潮性能。

■ 主要用途

- 抑制电源电磁干扰

■ Features

- Withstand high excess voltage shocks
- Low temperature rise inside
- Excellent flame retardant and moisture proof

■ Typical application

- Power EMI resistance

■ 技术参数 Technical Specifications

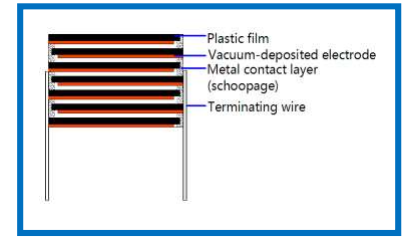
项目 Items	性能要求 Characteristics		
引用标准 Reference Standard	GB/T14472-1998 (IEC60384-14)		
气候类别 Climatic Category	40/110/56/B		
额定温度 Rate Temperature	85℃		
工作温度范围 Operating Temperature Range	-40~110℃ (+85℃ to +110℃: decreasing factor 1.25% per °C for VR(DC))		
额定电压 Rated Voltage	250VAC、275VAC、310VAC、330VAC		
电容量范围 Capacitance Range	0.001μF~10μF		
容量偏差 Capacitance Tolerance	±10%(K); ±20%(M) (1kHz)		
耐电压 Voltage Proof	引线间 Between Terminals	2000VDC(2S) Cn≤1.0uF	
		1800VDC(2S) Cn>1.0uF	
	极壳间 Between Terminals to Case	2120VAC(60S)	
损耗角正切 Dissipation Factor	0.001 uF≤Cn<0.01 uF	≤20×10 ⁻⁴ (20℃;1kHz)	≤20×10 ⁻⁴ (20℃;10kHz)
	0.01 uF≤Cn<0.47 uF	≤10×10 ⁻⁴ (20℃;1kHz)	≤20×10 ⁻⁴ (20℃;10kHz)
	0.47uF≤Cn<1.0 uF	≤20×10 ⁻⁴ (20℃;1kHz)	≤40×10 ⁻⁴ (20℃;10kHz)
	1.0 uF≤Cn<10.0 uF	≤30×10 ⁻⁴ (20℃;1kHz)	-----
绝缘电阻 Insulation Resistance	CR ≤0.33 μF ≥15000 MΩ CR >0.33 μF ≥5000 S		20℃,100VDC,1min

■ 产品结构

- 介 质: 聚丙烯薄膜
- 电容器电极: 真空蒸镀电极
- 内部结构:

■ Construction

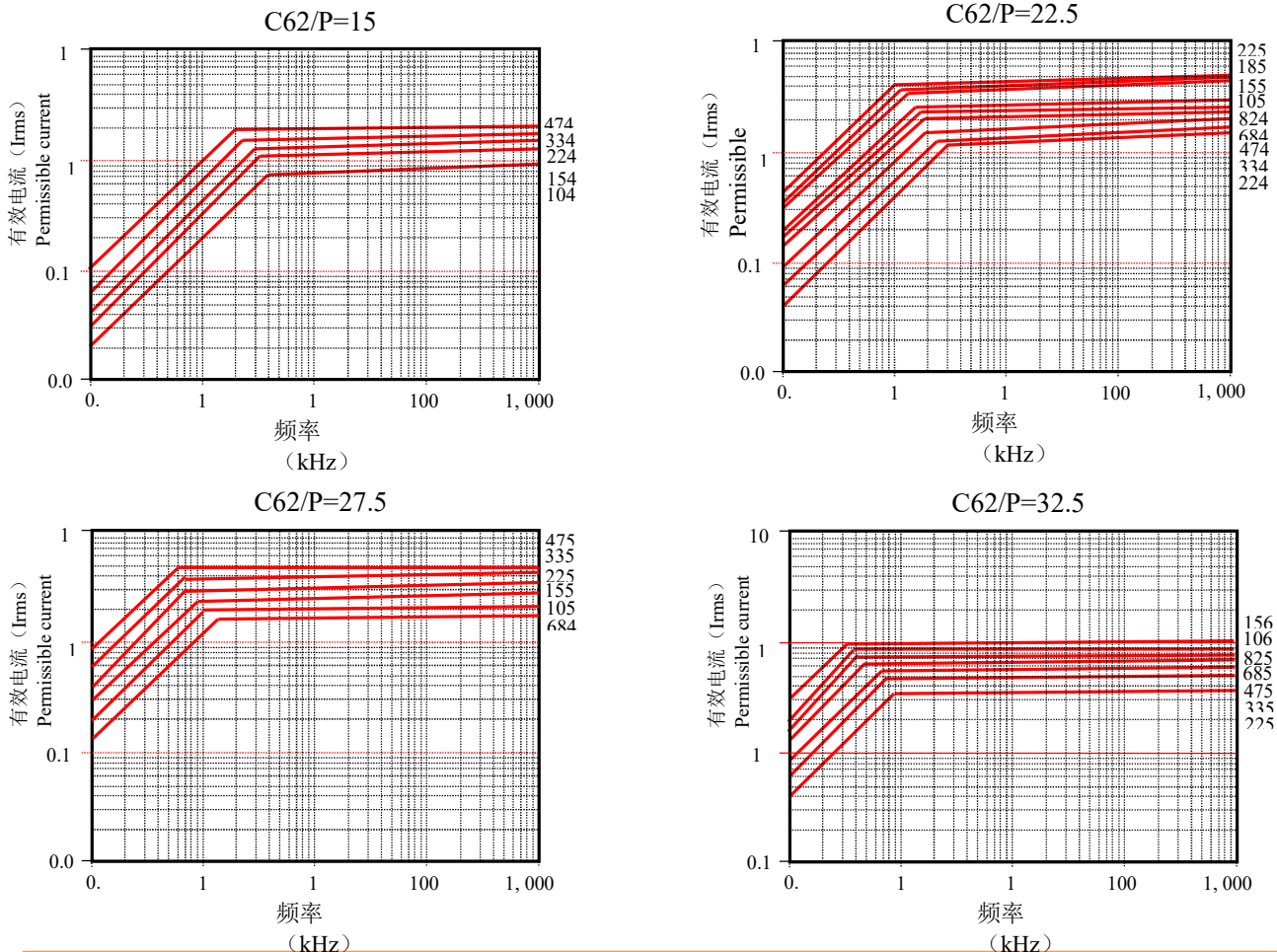
- Dielectric: Polypropylene film
- Capacitor electrodes: Vacuum-deposited
- Internal construction



■ 认证标准 Approved standard

规格 Standard			认证编号 No.
欧洲	ENEC	EN60384-14	40043081
德国	VDE	EN60384-14	40043081
美国	UL	UL 1414	E472972
中国	CQC	GB/T14472	CQC15001121222

■ 相对于频率的允许电流 Permissible current for frequency



■ 标准品一览表 Standard size

□: 容量偏差 Tolerance +: 脚型 Lead kinked

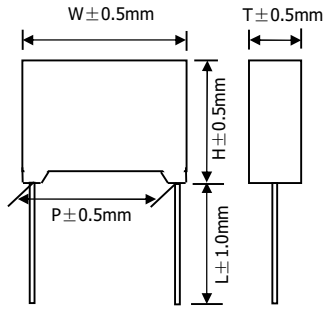
275VAC/330VAC							275VAC/330VAC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
0.0010	10.0	9.0	4.0	7.5	0.6	C62102**B*□T2B+000	0.082	18.0	12.0	6.0	15.0	0.8	C62823**E*□T2C+000
0.0010	12.0	11.0	5.0	10.0	“	C62102**C*□T2B+000	0.10	“	“	“	“	“	C62104**E*□T2C+000
0.0012	10.0	9.0	4.0	7.5	“	C62122**B*□T2B+000	0.12	“	“	“	“	“	C62124**E*□T2C+000
0.0012	12.0	11.0	5.0	10.0	“	C62122**C*□T2B+000	0.15	“	13.5	7.5	“	“	C62154**E*□T2C+000
0.0015	10.0	9.0	4.0	7.5	“	C62152**B*□T2B+000	0.15	“	14.5	8.5	“	“	C62154**E*□T2C+000
0.0015	12.0	11.0	5.0	10.0	“	C62152**C*□T2B+000	0.18	“	14.5	8.5	“	“	C62184**E*□T2C+000
0.0018	10.0	9.0	4.0	7.5	“	C62182**B*□T2B+000	0.22	“	“	“	“	“	C62224**E*□T2C+000
0.0018	12.0	11.0	5.0	10.0	“	C62182**C*□T2B+000	0.22	26.5	16.5	7.0	22.5	“	C62224**G*□T2C+000
0.0022	10.0	9.0	4.0	7.5	“	C62222**B*□T2B+000	0.33	18.0	16.0	10.0	15.0	“	C62334**E*□T2C+000
0.0022	12.0	11.0	5.0	10.0	“	C62222**C*□T2B+000	0.33	26.5	17.0	8.5	22.5	“	C62334**G*□T2C+000
0.0027	10.0	9.0	4.0	7.5	“	C62272**B*□T2B+000	0.39	“	“	“	“	“	C62394**E*□T2C+000
0.0027	12.0	11.0	5.0	10.0	“	C62272**C*□T2B+000	0.39	“	19.0	10.0	“	“	C62394**E*□T2C+000
0.0033	10.0	9.0	4.0	7.5	“	C62332**B*□T2B+000	0.47	“	17.0	8.5	“	“	C62474**E*□T2C+000
0.0033	12.0	11.0	5.0	10.0	“	C62332**C*□T2B+000	0.47	“	19.0	10.0	“	“	C62474**E*□T2C+000
0.0039	10.0	9.0	4.0	7.5	“	C62392**B*□T2B+000	0.56	“	“	“	“	“	C62564**E*□T2C+000
0.0039	12.0	11.0	5.0	10.0	“	C62392**C*□T2B+000	0.68	“	20.0	11.0	“	“	C62684**E*□T2C+000
0.0047	10.0	9.0	4.0	7.5	“	C62472**B*□T2B+000	0.68	32.0	“	“	27.5	“	C62684**H*□T2C+000
0.0047	12.0	11.0	5.0	10.0	“	C62472**C*□T2B+000	0.82	“	“	“	“	“	C62824**H*□T2C+000
0.0068	10.0	9.0	4.0	7.5	“	C62682**B*□T2B+000	1.0	“	“	“	“	“	C62105**H*□T2C+000
0.0068	12.0	11.0	5.0	10.0	“	C62682**C*□T2B+000	1.0	“	22.0	13.0	“	“	C62105**H*□T2C+000
0.0082	10.0	9.0	4.0	7.5	“	C62822**B*□T2B+000	1.2	“	“	“	“	“	C62125**H*□T2C+000
0.0082	12.0	11.0	5.0	10.0	“	C62822**C*□T2B+000	1.5	“	“	“	“	“	C62155**H*□T2C+000
0.010	“	“	“	“	“	C62103**C*□T2B+000	1.8	“	28.0	18.0	“	“	C62185**H*□T2C+000
0.012	“	“	“	“	“	C62123**C*□T2B+000	2.2	“	30.0	15.0	“	“	C62225**H*□T2C+000
0.015	“	“	“	“	“	C62153**C*□T2B+000	2.7	“	28.0	18.0	“	“	C62275**H*□T2C+000
0.018	“	“	“	“	“	C62183**C*□T2B+000	3.3	“	33.0	18.0	“	“	C62335**H*□T2C+000
0.018	13.0	“	4.0	“	“	C62183**C*□T2B+000	3.9	42.0	35.0	19.0	37.5	1.0	C62395**J*□T2G+000
0.022	12.0	“	5.0	“	“	C62223**C*□T2B+000	4.7	“	“	“	“	“	C62475**J*□T2G+000
0.022	13.0	“	4.0	“	“	C62223**C*□T2B+000	5.6	“	“	“	“	“	C62565**J*□T2G+000
0.027	12.0	“	5.0	“	“	C62273**C*□T2B+000	6.8	“	37.0	22.0	“	“	C62685**J*□T2G+000
0.027	13.0	“	4.0	“	“	C62273**C*□T2B+000	8.2	“	45.0	30.0	“	“	C62825**J*□T2G+000
0.033	12.0	“	5.0	“	“	C62333**C*□T2B+000	10.0	“	“	“	“	“	C62106**J*□T2G+000
0.033	13.0	12.0	6.0	“	“	C62333**C*□T2B+000	10.0	57.0	50.0	35.0	52.5	“	C62106**L*□T2G+000
0.047	“	“	“	“	“	C62473**C*□T2B+000							
0.047	18.0	“	“	15.0	0.8	C62473**E*□T2C+000							
0.056	“	“	“	“	“	C62563**E*□T2C+000							
0.068	“	“	“	“	“	C62683**E*□T2C+000							

◇ 备注：特殊需要可根据客户要求另行设计

◇ Note: Special requirements can be designed according to customer requirements.

C6T 系列 SERIES

■ 外形图



■ Outline Drawing



■ 特点

- 高频损耗小、内部温升小。
- 容量、损耗受温度变化小。
- 在高温高湿环境长期应用容量稳定性优异

■ Features

- Withstand high excess voltage shocks
- Low temperature rise inside
- High stability of capacitance under the condition of high temperature and high humidity

■ 主要用途

- 抑制电源电磁干扰

■ Typical application

- Power EMI resistance

■ 技术参数 Technical Specifications

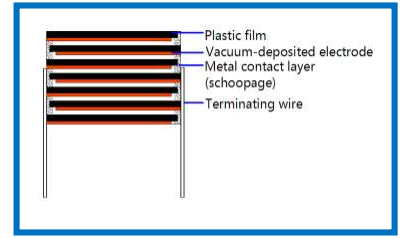
项目 Items	性能要求 Characteristics		
引用标准 Reference Standard	GB/T14472-1998 (IEC60384-14)		
气候类别 Climatic Category	40/110/56/B		
额定温度 Rate Temperature	85℃		
工作温度范围 Operating Temperature Range	-40~110℃ (+85℃ to +110℃: decreasing factor 1.25% per °C for VR(DC))		
额定电压 Rated Voltage	330VAC		
电容量范围 Capacitance Range	0.1μF~10μF		
容量偏差 Capacitance Tolerance	±10%(K); ±20%(M) (1kHz)		
耐电压 Voltage Proof	引线间 Between Terminals	1800VDC(2S)	
	极壳间 Between Terminals to Case	2120VAC(60S)	
损耗角正切 Dissipation Factor	0.1uF≤Cn≤1.0 uF	≤15×10 ⁻⁴ (20℃;1kHz)	≤40×10 ⁻⁴ (20℃;10kHz)
	1.0 uF<Cn<10.0 uF	≤30×10 ⁻⁴ (20℃;1kHz)	-----
绝缘电阻 Insulation Resistance	CR ≤0.33 μF ≥15000 MΩ CR >0.33 μF ≥5000 S		20℃,100VDC,1min
防潮测试 THB test (Damp heat test with loading)	Temperature:85℃±2℃ Humidity:85%RH±2%RH Voltage:264VAC 50Hz Duration:1000H(Cn > 0.47uF)		Capacitance change(ΔC/C): ≤10% Dissipation factor change(Δtgδ): ≤0.5%(1KHz) Insulation resistance: ≥50% of the rated value

■ 产品结构

- 介 质: 聚丙烯薄膜
- 电容器电极: 真空蒸镀电极
- 内部结构:

■ Construction

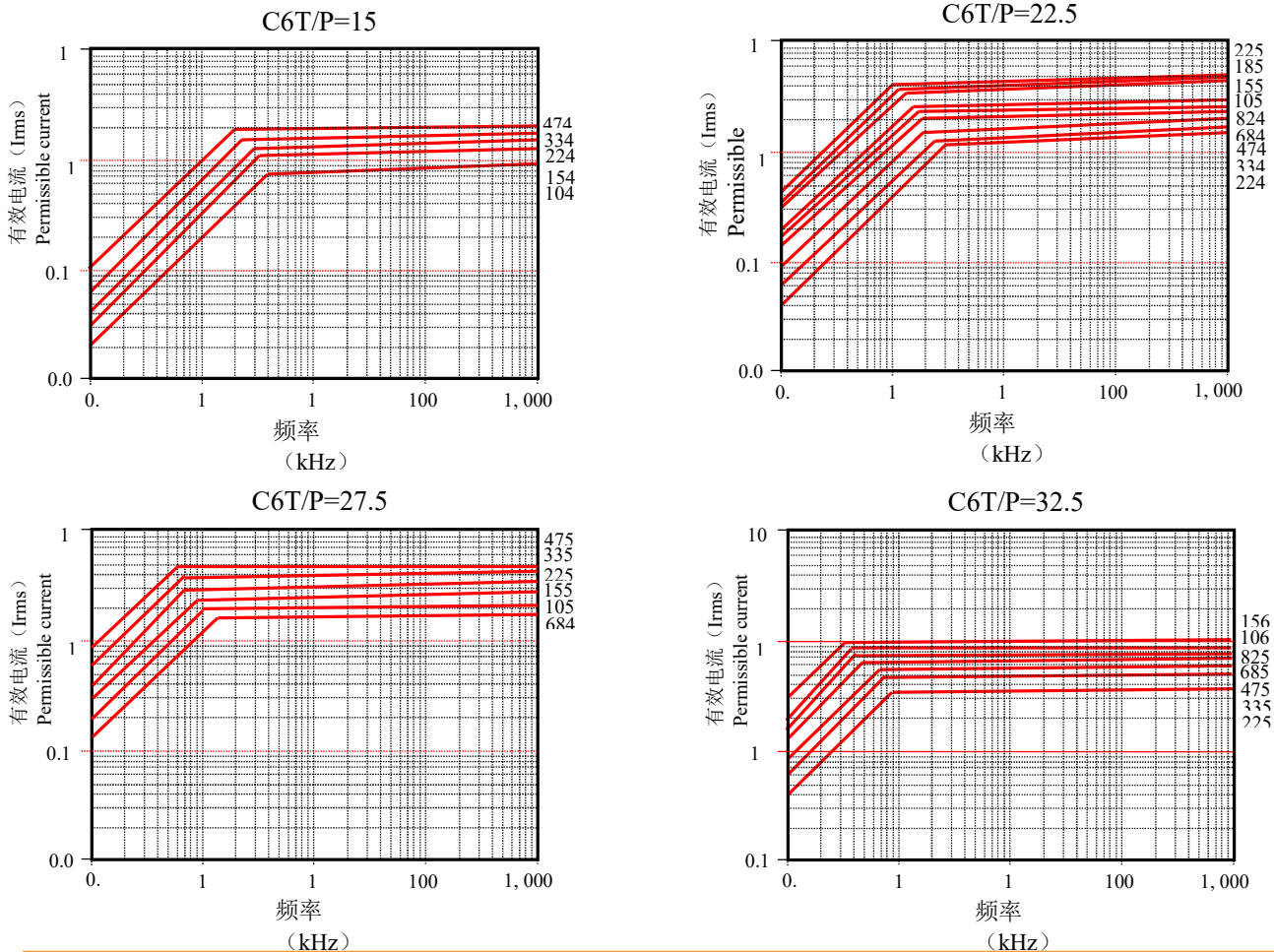
- Dielectric: Polypropylene film
- Capacitor electrodes: Vacuum-deposited
- Internal construction



■ 认证标准 Approved standard

规格 Standard			认证编号 No.
欧洲	ENEC	EN60384-14	40043081
德国	VDE	EN60384-14	40043081
美国	UL	UL 1414	E472972
中国	CQC	GB/T14472	CQC15001121222

■ 相对于频率的允许电流 Permissible current for frequency



■ 标准品一览表 Standard size

□: 容量偏差 Tolerance +: 脚型 Lead kinked

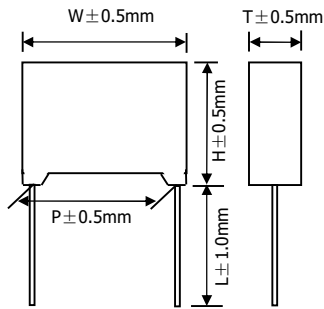
330VAC							330VAC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
0.10	18.0	12.0	6.0	15.0	0.8	C6T104**E*□T2C+000	0.82	32.0	18.0	9.0	27.5	0.8	C6T824**H*□T2C+000
0.12	“	“	“	“	“	C6T124**E*□T2C+000	1.0	“	20.0	11.0	“	“	C6T105**H*□T2C+000
0.15	“	“	“	“	“	C6T154**E*□T2C+000	1.2	“	“	“	“	“	C6T125**H*□T2C+000
0.18	“	13.5	7.5	“	“	C6T184**E*□T2C+000	1.5	“	22.0	13.0	“	“	C6T155**H*□T2C+000
0.22	“	“	“	“	“	C6T224**E*□T2C+000	1.8	“	“	“	“	“	C6T185**H*□T2C+000
0.27	“	14.5	8.5	“	“	C6T274**E*□T2C+000	2.2	“	25.0	15.0	“	“	C6T225**H*□T2C+000
0.33	“	“	“	“	“	C6T334**E*□T2C+000	2.7	“	30.0	16.0	“	“	C6T275**H*□T2C+000
0.39	“	16.0	10.0	“	“	C6T394**E*□T2C+000	3.3	“	“	“	“	“	C6T335**H*□T2C+000
0.47	“	19.0	11.0	“	“	C6T474**E*□T2C+000	3.9	“	33.0	18.0	“	“	C6T395**H*□T2C+000
0.33	26.5	15.0	6.0	22.5	“	C6T334**G*□T2C+000	4.7	“	34.0	20.0	“	“	C6T475**H*□T2C+000
0.39	“	16.0	7.0	“	“	C6T394**G*□T2C+000	5.6	“	37.0	22.0	“	“	C6T565**H*□T2C+000
0.47	“	17.0	8.5	“	“	C6T474**G*□T2C+000	1.5	41.0	22.0	11.0	37.5	1.0	C6T155**J*□T2G+000
0.56	“	“	“	“	“	C6T564**G*□T2C+000	1.8	“	“	“	“	“	C6T185**J*□T2G+000
0.68	“	18.5	10.0	“	“	C6T684**G*□T2C+000	2.2	“	24.0	13.0	“	“	C6T225**J*□T2G+000
0.82	“	“	“	“	“	C6T824**G*□T2C+000	2.7	“	“	“	“	“	C6T275**J*□T2G+000
1.0	“	20.0	11.0	“	“	C6T105**G*□T2C+000	3.3	“	28.0	14.0	“	“	C6T335**J*□T2G+000
1.2	“	22.0	12.0	“	“	C6T125**G*□T2C+000	3.9	“	30.0	16.0	“	“	C6T395**J*□T2G+000
1.5	“	23.0	13.4	“	“	C6T155**G*□T2C+000	4.7	“	32.0	17.0	“	“	C6T475**J*□T2G+000
1.8	“	24.5	15.5	“	“	C6T185**G*□T2C+000	5.6	“	33.5	18.5	“	“	C6T565**J*□T2G+000
2.2	“	29.5	14.5	“	“	C6T225**G*□T2C+000	6.8	“	37.0	22.0	“	“	C6T685**J*□T2G+000
0.47	32.0	18.0	9.0	27.5	“	C6T474**H*□T2C+000	8.2	“	“	“	“	“	C6T825**J*□T2G+000
0.56	“	“	“	“	“	C6T564**H*□T2C+000	10.0	“	41.0	26.0	“	“	C6T106**J*□T2G+000
0.68	“	“	“	“	“	C6T684**H*□T2C+000							

◇ 备注：特殊需要可根据客户要求另行设计

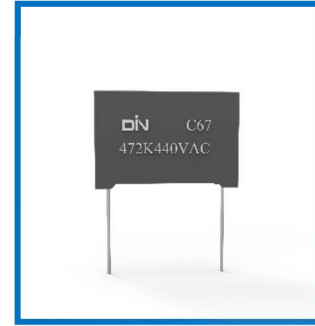
◇ Note: Special requirements can be designed according to customer requirements.

C67 系列 SERIES

■ 外形图



■ Outline Drawing



■ 特点

- 高频损耗小、内部温升小。
- 容量、损耗受温度变化小。
- 能承受过压冲击

■ Features

- Withstand high excess voltage shocks
- Low temperature rise inside
- Withstanding overvoltage stressing

■ 主要用途

- 广泛用于电源接地、旁路、天线耦合等抗干扰场合

■ Typical application

- Widely used in line to ground , line-by-pass, antenna coupling interference suppression circuit, etc.

■ 技术参数 Technical Specifications

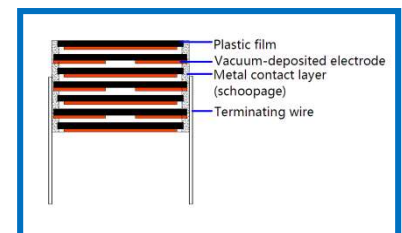
项目 Items	性能要求 Characteristics	
引用标准 Reference Standard	GB/T14472-1998 (IEC60384-14)	
气候类别 Climatic Category	40/110/56/B	
额定温度 Rate Temperature	85℃	
工作温度范围 Operating Temperature Range	-40~110℃ (+85℃ to +110℃:decreasing factor 1.25% per °C for VR(DC))	
额定电压 Rated Voltage	440VAC 50/60Hz	
电容量范围 Capacitance Range	0.00047μF~0.1μF	
容量偏差 Capacitance Tolerance	±10%(K); ±20%(M) (1kHz)	
耐电压 Voltage Proof	引线间 Between Terminals	4000VAC(2S)
	极壳间 Between Terminals to Case	4000VAC(60S)
损耗角正切 Dissipation Factor	≤10×10 ⁻⁴ (20℃;1kHz)	≤20×10 ⁻⁴ (20℃;10kHz)
绝缘电阻 Insulation Resistance	≥15000 MΩ	20℃,100VDC,1min

■ 产品结构

- 介 质：聚丙烯薄膜
- 电容器电极：真空蒸镀电极

■ Construction

- Dielectric: Polypropylene film
- Capacitor electrodes: Vacuum-deposited



■ 标准品一览表 Standard size

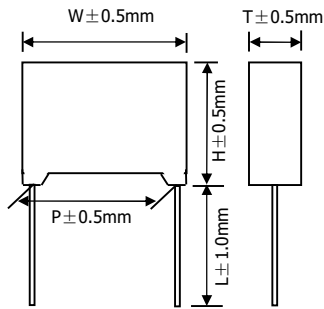
□: 容量偏差 Tolerance +: 脚型 Lead kinked

440VAC							440VAC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
0.00047	18.0	11.0	5.0	15.0	0.6	C67471**E*□X2E+000	0.0056	26.5	15.0	6.0	22.5	0.8	C67562**G*□X2F+000
0.00056	“	“	“	“	“	C67561**E*□X2E+000	0.0068	“	16.0	7.0	“	“	C67682**G*□X2F+000
0.00082	“	“	“	“	“	C67821**E*□X2E+000	0.0082	“	17.0	8.5	“	“	C67822**G*□X2F+000
0.0010	“	“	“	“	“	C67102**E*□X2E+000	0.010	“	“	“	“	“	C67103**G*□X2F+000
0.0012	“	“	“	“	“	C67122**E*□X2E+000	0.012	“	18.5	10.0	“	“	C67123**G*□X2F+000
0.0015	“	“	“	“	“	C67152**E*□X2E+000	0.015	“	“	“	“	“	C67153**G*□X2F+000
0.0018	“	12.0	6.0	“	“	C67182**E*□X2E+000	0.018	“	20.0	11.0	“	“	C67183**G*□X2F+000
0.0020	“	“	“	“	“	C67202**E*□X2E+000	0.022	“	22.0	12.0	“	“	C67223**G*□X2F+000
0.0022	“	“	“	“	“	C67222**E*□X2E+000	0.022	32.0	20.0	11.0	27.5	“	C67223**H*□X2F+000
0.0025	“	“	“	“	“	C67252**E*□X2E+000	0.033	“	22.0	13.0	“	“	C67333**H*□X2F+000
0.0027	“	13.5	7.5	“	“	C67272**E*□X2E+000	0.047	“	28.0	14.0	“	“	C67473**H*□X2F+000
0.0028	“	“	“	“	“	C67282**E*□X2E+000	0.068	“	33.0	18.0	“	“	C67683**H*□X2F+000
0.0033	“	“	“	“	“	C67332**E*□X2E+000	0.10	“	37.0	22.0	“	“	C67104**H*□X2F+000
0.0039	“	“	“	“	“	C67392**E*□X2E+000							
0.0047	“	14.0	8.0	“	“	C67472**E*□X2E+000							
0.0050	“	14.5	8.5	“	“	C67502**E*□X2E+000							
0.0056	“	“	“	“	“	C67562**E*□X2E+000							
0.0068	“	16.5	10.0	“	0.8	C67682**E*□X2F+000							
0.0082	“	19.0	11.0	“	“	C67822**E*□X2F+000							
0.010	“	“	“	“	“	C67103**E*□X2F+000							

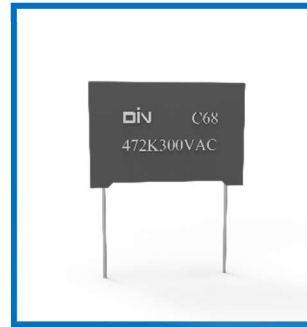
- ◇ 备注：特殊需要可根据客户要求另行设计
- ◇ Note: Special requirements can be designed according to customer requirements.

C68 系列 SERIES

■ 外形图



■ Outline Drawing



■ 特点

- 高频损耗小、内部温升小。
- 容量、损耗受温度变化小。
- 能承受过压冲击

■ Features

- Withstand high excess voltage shocks
- Low temperature rise inside
- Withstanding overvoltage stressing

■ 主要用途

- 广泛用于电源接地、旁路、天线耦合等抗干扰场合

■ Typical application

- Widely used in line to ground, line-by-pass, antenna coupling interference suppression circuit, etc.

■ 技术参数 Technical Specifications

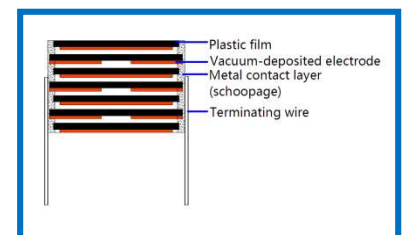
项目 Items	性能要求 Characteristics	
引用标准 Reference Standard	GB/T14472-1998 (IEC60384-14)	
气候类别 Climatic Category	40/110/56/B	
额定温度 Rate Temperature	85°C	
工作温度范围 Operating Temperature Range	-40~110°C (+85°C to +110°C: decreasing factor 1.25% per °C for VR(DC))	
额定电压 Rated Voltage	300VAC 50/60Hz	
电容量范围 Capacitance Range	0.0010μF~1.0μF	
容量偏差 Capacitance Tolerance	±10%(K); ±20%(M) (1kHz)	
耐电压 Voltage Proof	引线间 Between Terminals	4000VDC(2S) Cn≤0.33uF 3700VDC(2S) Cn>0.33uF
	极壳间 Between Terminals to Case	2120VAC(60S) or 2000VAC(2S)
损耗角正切 Dissipation Factor	≤30×10 ⁻⁴ (20°C;1kHz)	≤40×10 ⁻⁴ (20°C;10kHz)
绝缘电阻 Insulation Resistance	CR ≤0.33 μF ≥15000 MΩ CR >0.33 μF ≥5000 S	20°C, 100VDC, 1min

■ 产品结构

- 介 质: 聚丙烯薄膜
- 电容器电极: 真空蒸镀电极
- 内部结构:

■ Construction

- Dielectric: Polypropylene film
- Capacitor electrodes: Vacuum-deposited
- Internal construction



■标准品一览表 Standard size

□: 容量偏差 Tolerance +: 脚型 Lead kinked

300VAC							300VAC						
C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.	C _N (uF)	尺寸 Dimensions(mm)					编号 Part No.
	W	H	T	P	D			W	H	T	P	D	
0.0010	12.0	11.0	5.0	10.0	0.6	C68102**C*□S2E+000	0.056	18.0	16.0	10.0	15.0	0.8	C68563**E*□S2F+000
0.0012	“	“	“	“	“	C68122**C*□S2E+000	0.068	“	“	“	“	“	C68683**E*□S2F+000
0.0015	“	“	“	“	“	C68152**C*□S2E+000	0.082	“	19.0	11.0	“	“	C68823**E*□S2F+000
0.0018	“	“	“	“	“	C68182**C*□S2E+000	0.033	26.5	15.0	6.0	22.5	“	C68333**G*□S2F+000
0.0020	“	“	“	“	“	C68202**C*□S2E+000	0.039	“	“	“	“	“	C68393**G*□S2F+000
0.0022	“	“	“	“	“	C68222**C*□S2E+000	0.047	“	“	“	“	“	C68473**G*□S2F+000
0.0025	“	“	“	“	“	C68252**C*□S2E+000	0.056	“	“	“	“	“	C68563**G*□S2F+000
0.0027	“	“	“	“	“	C68272**C*□S2E+000	0.068	“	16.0	7.0	“	“	C68683**G*□S2F+000
0.0033	“	“	“	“	“	C68332**C*□S2E+000	0.082	“	“	“	“	“	C68823**G*□S2F+000
0.0039	“	“	“	“	“	C68392**C*□S2E+000	0.10	“	17.0	8.5	“	“	C68104**G*□S2F+000
0.0047	“	“	“	“	“	C68472**C*□S2E+000	0.12	“	“	“	“	“	C68124**G*□S2F+000
0.0056	“	“	“	“	“	C68562**C*□S2E+000	0.15	“	18.5	10.0	“	“	C68154**G*□S2F+000
0.0068	“	“	“	“	“	C68682**C*□S2E+000	0.18	“	20.0	11.0	“	“	C68184**G*□S2F+000
0.0082	13.0	12.0	6.0	“	“	C68822**C*□S2E+000	0.22	“	22.0	12.0	“	“	C68224**G*□S2F+000
0.010	“	“	“	“	“	C68103**C*□S2E+000	0.27	“	23.0	13.5	“	“	C68274**G*□S2F+000
0.015	“	“	“	“	“	C68153**C*□S2E+000	0.33	“	24.5	15.5	“	“	C68334**G*□S2F+000
0.0022	18.0	10.0	5.0	15.0	“	C68222**E*□S2E+000	0.33	“	30.0	15.0	“	“	C68334**G*□S2F+000
0.0027	“	“	“	“	“	C68272**E*□S2E+000	0.10	32.0	18.0	9.0	27.5	“	C68104**H*□S2F+000
0.0033	“	“	“	“	“	C68332**E*□S2E+000	0.12	“	“	“	“	“	C68124**H*□S2F+000
0.0039	“	“	“	“	“	C68392**E*□S2E+000	0.15	“	“	“	“	“	C68154**H*□S2F+000
0.0047	“	“	“	“	“	C68472**E*□S2E+000	0.15	“	12.0	18.0	“	“	C68154**H*□S2F+000
0.0056	“	“	“	“	“	C68562**E*□S2E+000	0.18	“	20.0	11.0	“	“	C68184**H*□S2F+000
0.0068	“	“	“	“	“	C68682**E*□S2E+000	0.22	“	“	“	“	“	C68224**H*□S2F+000
0.0082	“	“	“	“	“	C68822**E*□S2E+000	0.27	“	22.0	13.0	“	“	C68274**H*□S2F+000
0.010	“	“	“	“	“	C68103**E*□S2E+000	0.33	“	25.0	“	“	“	C68334**H*□S2F+000
0.012	“	11.0	5.0	“	“	C68123**E*□S2E+000	0.33	“	25.0	15.0	“	“	C68334**H*□S2F+000
0.015	“	“	“	“	“	C68153**E*□S2E+000	0.39	“	“	“	“	“	C68394**H*□S2F+000
0.018	“	12.0	6.0	“	“	C68183**E*□S2E+000	0.39	“	28.0	14.0	“	“	C68394**H*□S2F+000
0.022	“	“	“	“	“	C68223**E*□S2E+000	0.47	“	28.0	17.0	“	“	C68474**H*□S2F+000
0.027	“	12.0	7.0	“	“	C68273**E*□S2E+000	0.56	“	30.0	16.0	“	“	C68564**H*□S2F+000
0.033	“	13.5	7.5	“	“	C68333**E*□S2E+000	0.56	“	28.0	17.0	“	“	C68564**H*□S2F+000
0.033	“	12.5	9.0	“	“	C68333**E*□S2E+000	0.68	“	33.0	18.0	“	“	C68684**H*□S2F+000
0.039	“	13.5	7.5	“	“	C68393**E*□S2E+000	0.68	“	30.0	21.0	“	“	C68684**H*□S2F+000
0.039	“	12.5	9.0	“	“	C68393**E*□S2E+000	0.82	“	33.0	18.0	“	“	C68824**H*□S2F+000
0.047	“	14.5	8.5	“	“	C68473**E*□S2E+000	1.0	“	37.0	22.0	“	“	C68105**H*□S2F+000
0.047	“	12.0	13.0	“	0.8	C68473**E*□S2F+000							

◇ 备注：特殊需要可根据客户要求另行设计
◇ Note: Special requirements can be designed according to customer requirements.