



工业电容器 (电力电子电容器)

Industrial Capacitors (Power Electronic Capacitors)

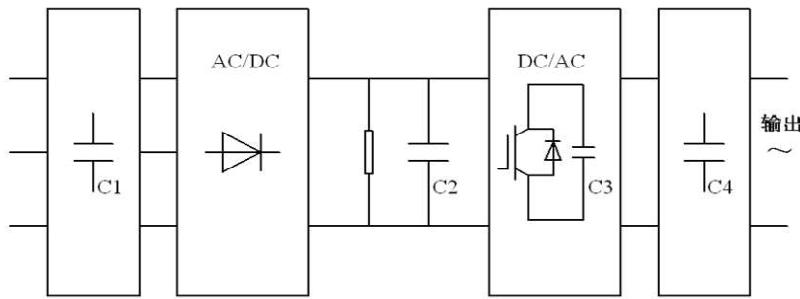
Date: July 2017 Industrial Capacitors

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一、工业电容器引用标准/ Industrial Capacitors reference standards

标准号 (NO.)	标准 (Standards)
GB/T2693 (IEC60384-1)	电子设备用固定电容器第 1 部分：总规范 Fixed capacitors for use in electronic equipment -- Part 1: Generic specification
GB/T1274-1 (IEC60381-1)	标称电压 1KV 及以下交流电力系统用自愈并联电容器。 第 1 部分：总则—性能、试验和定额—安全要求—安装和运行导则 Shunt power capacitors of the self-healing type for a.c. systems having a rated voltage up to and including 1 000 V -- Part 1: General -- Performance, testing and rating -- Safety requirements -- Guide for installation and operation
GB/T1274-2 (IEC60381-2)	标称电压 1KV 及以下交流系统用自愈式并联电力电容器 第 2 部分:老化试验、自愈试验和破坏试验 Shunt power capacitors of the self-healing type for a.c. systems having a rated voltage up to and including 1000 V - Part 2: Ageing test, self-healing test and destruction test
GB/T17702 (IEC 61071)	电力电子电容器 Capacitors for power electronics
GB/T4798-1 (IEC60721-3-1)	电工电子产品应用环境条件第 3 部分：环境参数组及其严酷程度，第 1 节的分类：存储 Classification of environmental conditions. Part 3: Classification of groups of environmental parameters and their severities. Section 1: Storage
GB/T4798-2 (IEC60721-3-2)	电工电子产品应用环境条件第 3 部分：环境参数组及其严酷程度，第 2 节的分类：运输 Classification Of Environmental Conditions - Part 3: Classification Of Groups Of Environmental Parameters And Their Severities - Section 2: Transportation
GB/T4798-3 (IEC60721-3-3)	电工电子产品应用环境条件第 3 部分：环境参数组及其严酷程度，第 3 节的分类：有气候防护场所固定使用 Classification of environmental conditions Part 3-3: Classification of groups of environmental parameters and their severities Stationary use at weather protected locations Classification des conditions d'environnement Partie 3-3: Classification des groupements des agent's d'environnement et de leurs severities Utilization. poste fixe, protected locations

二、客户使用建议/Advice for customer using

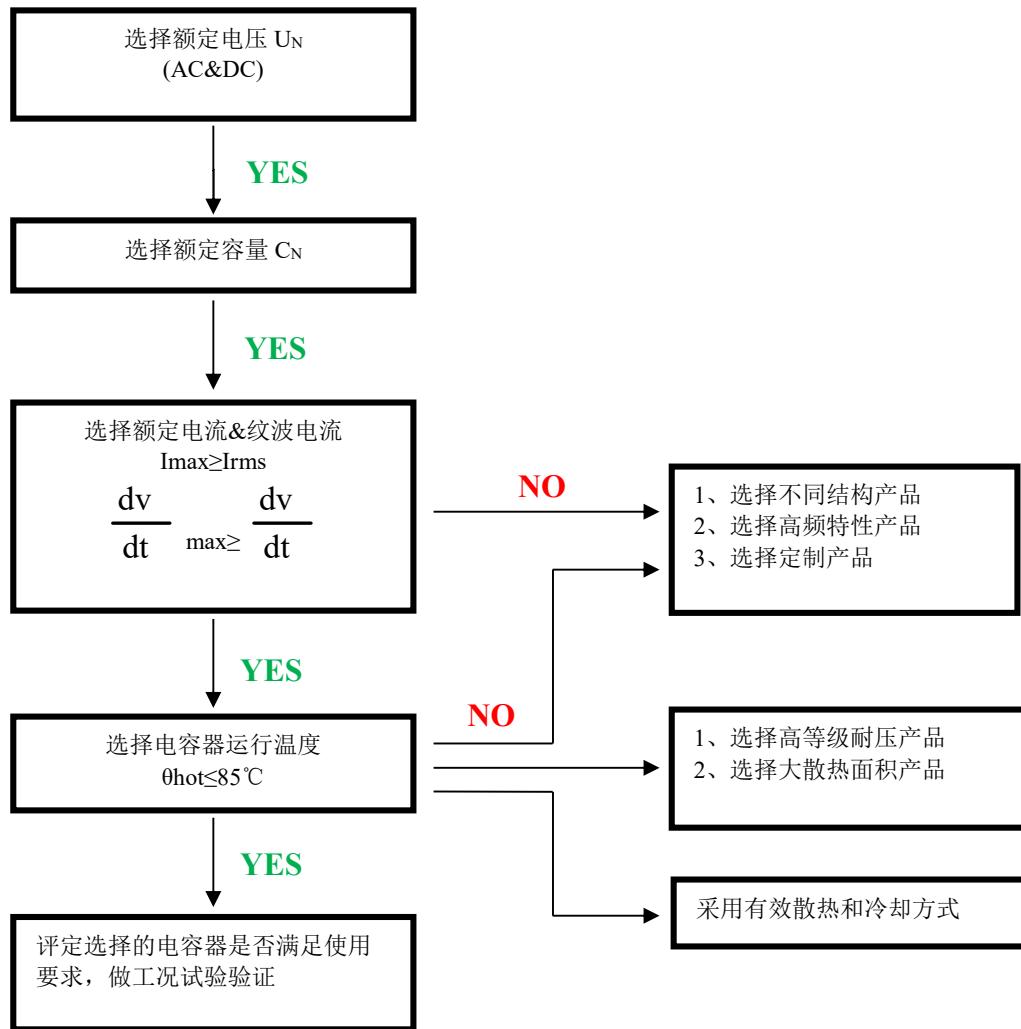


典型应用电路图 (图一)

- 其中 C1 与 C4 为交流滤波电容，C2 为直流支撑电容，C3 为吸收电容。
- 交流滤波电容器：用户选型时，重点考虑谐波电流，普通交流滤波电容一般是不能满足大量谐波的场合。
- 直流支撑电容器：除考虑电压外，重点提供纹波电压和频率。
- 吸收电容器：用户重点了解脉冲电流，及开关速率 dv/dt 和 di/dt

C1 and C4 for ca filter capacitor, C2 for DC-Link capacitor, C3 for snubber capacitor.
 AC filter capacitor: please focus on harmonic current, common ac filter capacitor is not meet with large amounts of harmonic application.
 DC-Link capacitor: besides considering voltage focus on ripple voltage and frequency.
 Snubber capacitor: focus on pulse current, frequency, dv/dt and di/dt .

三、电力电子电容器选用的基本方法



1.额定容量 C_N

电容器在 20°C/100HZ 下的设计电容量。

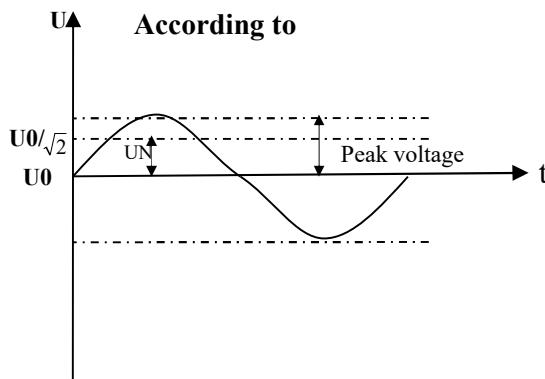
2.额定电压 U_N

对采用 IEC 60831-1/-2 标准的电容，仅指设计电容器时规定的交流电压方均根值。

对采用 IEC 61071 标准的电容器，可分为：

额定交流电压 U_{NAC} : 设计电容器时所采用的反复型波形的任一极性的最高运行峰值周期电压。

额定直流电压 U_{NDc} : 设计电容器时所采用的非反复型波形的任一极性的可连续运行的最高运行峰值电压，其值应大于直流工作电压与波纹电压峰值之和。



3.有效值电压 U_{rms}

电容器在连续运行过程中允许出现的最大正弦交流电压的方均根值。

4.纹波电压 U_r

单向电压的峰到峰的交流分量。

一般来讲，波纹电压的方均根值应低于额定电压的 10%。

5.非周期冲击电压 U_s

由切换或系统中任何别的扰动所导致的峰值电压，此电压只允许出现有限的次数。且每次持续时间应比基本周期短。

6.极间耐压 U_{t-t}

所有电容器在交货前进行的例行试验（室温下）。在用户处可进行再次的测试，数据根据手册所述的试验电压的 80%。

1.Rated capacitance C_N

Designed capacitance of the capacitor at 20°C/1000HZ.

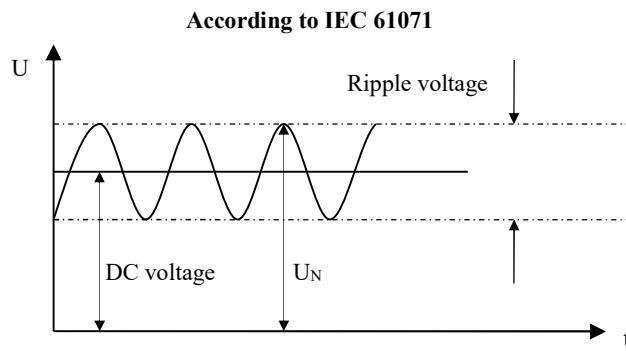
2.Rated voltage U_N

IEC 60831-1/-2 standard capacitor, the AC voltage RMS value refers only to the design capacitor prescribed.

IEC 601071 standard capacitor can be divided into:

Rated AC voltage U_{NAC} : repeatedly used in the design capacitor waveform either polarity, the maximum operating peak cycle voltage.

Rated DC voltage of the U_{NDc} : polarity in any of the non-repetitive waveform used in the design capacitor continuous operation of the maximum operating peak voltage and its value should be larger than the DC voltage and ripple voltage peak.



3.Rms voltage U_{rms}

Root mean square of max. permissible value of sinusoidal a.c. voltage in continuous operation.

4.Ripple voltage U_r

Peak-to-peak alternating component of the unidirectional voltage.

In general, the square of the ripple voltage rms should be less than 10% of the rated voltage.

5.Non-recurrent surge voltage U_s

Peak voltage induced by a switching or any other disturbance of the system which is allowed for a limited number of times and for durations shorter than the basic period.6.Voltage Test between terminals Ut-t

6.Voltage Test between terminals U_{t-t}

Routine test of all capacitors conducted at room temperature, prior to delivery. A further test with 80% of the test voltage stated in the data sheet may be carried out once at the user's location.

7.极壳耐压 Ut-c

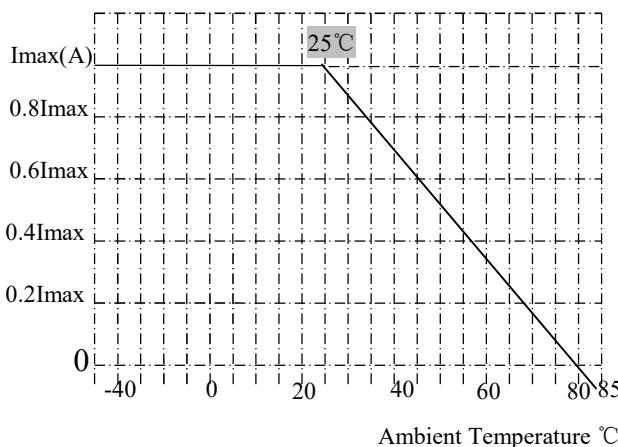
所有电容器外壳与端子间的进行的例行试验（室温下），在用户处可以重复进行。

8.绝缘电压 Ui

设计电容器时规定的电容器端子对外壳或对地交流电压的方均根值。若未作说明，此绝缘电压等于额定电压除以 $\sqrt{2}$ 。

9.最大电流 Imax

连续运行时的最大电流的方均根值。



10.最大峰值电流 Ī

在连续运行中允许重复出现的最大峰值电，其数值为：
 $\hat{I} = CN \times (dv/dt)$ 其中 dv/dt 表示电压爬升速率，即运行中允许重复出现的最大电压爬升速率，常用来代替 \hat{I} 使用。

11.最大浪涌电流 Īs

由切换或系统中任何别的扰动所导致的允许出现的峰值电流，此电流只允许出现有限次数，且每次持续时间应比基本周期短。

12.等效串联电阻 ESR

一个有效电阻，当它和所探讨的电容器有相等电容值的理想电容器串联时，在规定的运行条件下，该电阻的损耗功率将等于该电容器中耗散的有功功率。

13.介质损耗因素 tgδ0

电容器的介质材料在额定频率下的损耗常数。聚丙烯薄膜的典型介质损耗因素为 2×10^{-4} 。

7.Voltage Test between terminals and case Ut-c

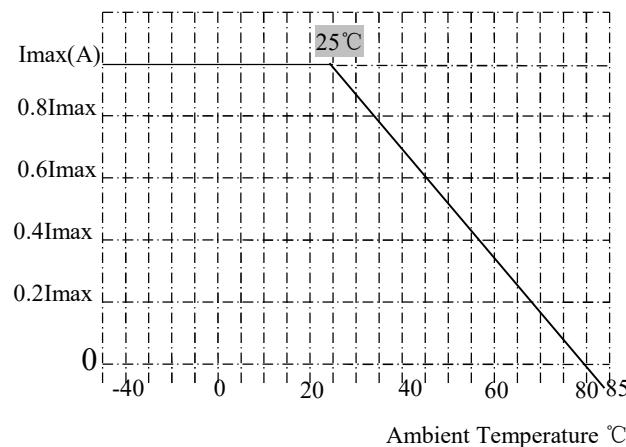
Routine test of all capacitors between short-circuited terminals and case, conducted at room temperature. Maybe repeated at the user's location.

8.Insulation voltage Ui

Rms value of a.c. voltage designed for the insulation between terminals of the capacitor to case or earth. The insulation voltage is equal to the rated voltage of the capacitor, divided by $\sqrt{2}$, unless otherwise special.

9.Maximum current Imax

Maximum rms current for continuous operation.



10.Maximum peak current Ī

Maximum permitted repetitive peak current that can occur during continuous operation. The value is following: $\hat{I} = CN \times (dv/dt)$ Where dv/dt indicates rate of voltage rise, which means maximum permitted repetitive rate of voltage rise of operational voltage usually using instead of \hat{I}

11.Maximum surge current Īs

Peak non-repetitive current induced by switching or any other disturbance of the system which is allowed for a limited number of times, for durations shorter than basic period.

12.Equivalent series resistance ESR

Effective resistance which, if connected in series with an ideal capacitor of capacitance value equal to that of the capacitor in question, would have a power loss equal to active power dissipated in that capacitor under specified operating conditions.

13.Dielectric dissipation factor tgδ0

Constant dissipation factor of the dielectric material for all capacitors at their rated frequency, the typical loss factor of polypropylene film is 2×10^{-4} .

14.电容器的损耗因素 $\text{tg}\delta$

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，其值为等效串联电阻和容抗之比。

14.Loss factor of the capacitor $\text{tg}\delta\theta$

The dissipation factor is ratio between reactive power of the impedance of the capacitor and effective power when capacitor is submitted to a sinusoidal voltage of specified frequency; it is that ratio between the equivalent series resistance and the capacitive reactance of a capacitor.

15.自感 L_s

电容器由于自身结构或组成的原因所表现出来的电感。

15.Self-inductance L_s

Represents the sum of all inductive elements which are for mechanical and construction reasons-contained in any capacitor.

16.谐振频率 F_r

电容器的阻抗成为最小时的最低频率。其值为：

$$F_r=1/(2\pi\times(\sqrt{L_s \cdot C_n}))$$

16.Resonance frequency F_r

Lowest frequency at which the impedance of the capacitor becomes minimum. The value is following $F_r=1/(2\pi\times(\sqrt{L_s \cdot C_n}))$

17.运行温度 θ

在电容器达到热平衡状态时的外壳最热点温度。

17.Operating temperature θ

Temperature of the hottest point on the case of the operating capacitor in thermal equilibrium.

18.最高运行温度 θ_{max}

电容器可以运行的最高外壳温度。

18.Maximum operating temperature θ_{max}

Highest temperature of the case at which the capacitor may be operated.

19.最低运行温度 θ_{min}

电容器可以运行的最低电介质温度。

19.Lowest operating temperature θ_{min}

Lowest temperature of the dielectric at which the capacitor may be operated.

20.热阻 R_{th}

热阻表示的是电容器的发热功率每上升 1 瓦，电容器内最热点的温度在环境温度的基础上升高的度数。

20.Thermal resistance R_{th}

The thermal resistance indicates by how many degrees the capacitor temperature at the hotspot rises above θ_{amb} per watt of the heat dissipation lose.

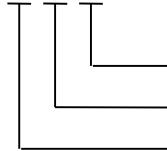
21.气候类别

电容器所属的气候类别用斜线分隔的三个数来表示 (IEC60068-1: 如 40/85/21)。

21.Climatic category

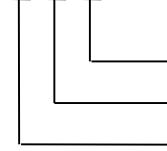
The climatic category which the capacitor belongs to is expressed in three numbers separated by slashes,(IEC60068-1: esample40/85/21)

40/85/21



稳态湿热试验的天数 (21 天)
上限类别温度 ($+85^{\circ}\text{C}$)
下限类别温度 (-40°C)

40/85/21



days relevant to the damp heat test (21days)
the upper category temperature ($+85^{\circ}\text{C}$)
the lower category temperature (-40°C)

22. 绝缘电阻(IR)/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：

$$t[\text{s}] = IR[\text{M}\Omega] \times C[\mu\text{F}]$$

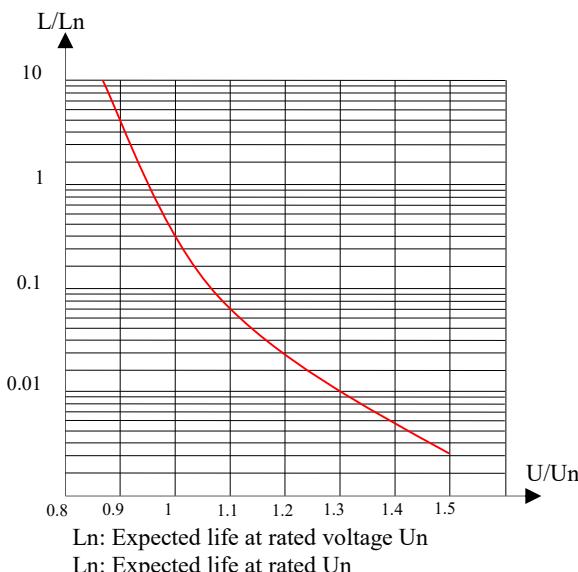
一般情况下，绝缘电阻用于描述小容量电容器的绝缘特性，时间常数用于描述大容(如：CN>0.33μF)电容器的绝缘特性。

23. 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，厚度只有几十个纳米，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处的金属镀层蒸发现，使击穿点与周围极板隔开，电容器电气性能即可恢复正常。

24. 电容器的预期寿命

薄膜电容器的选用取决于施加的最高电压，并受施加的电压电容器的预期寿命与电容器的运行电压及热点温度有关。对于应用在不同场合的电容器它们的设计寿命是不同的。一般而言，应用在直流滤波电路中的电容器，在额定电压及热点温度为 70°C 的应用条件下，它们的预期寿命可达到 100000 小时。电容器的预期寿命是一个基于实践经验和理论计算的统计学数值，以下图片是电容器的预期寿命与运行电压及热点温度之间的特性曲线、仅仅作为理论参考。对于工作条件与额定条件有差别的情况，可以联系我们的技术部门。



22. Insulation Resistance(IR)/Time Constant(t)

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

$$t[\text{s}] = IR[\text{M}\Omega] \times C[\mu\text{F}]$$

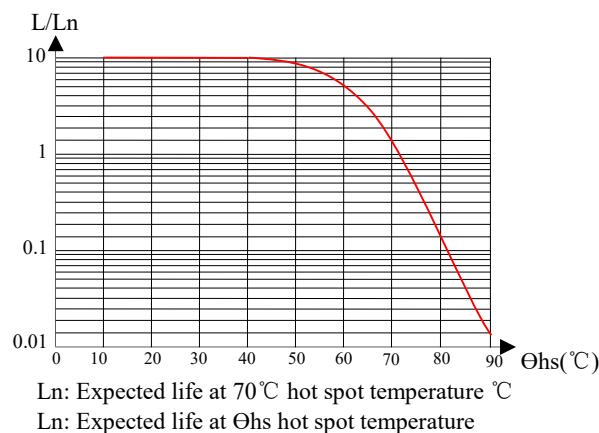
In general, Insulation resistance is used for describing smaller capacitance capacitors' insulation character, Time Constant for describing larger ones'(example: CN>0.33μF).

23. 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 would occur. The energy released by the arc discharge in the 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.

24. Expected lifetime of the capacitor

The expected lifetime of the capacitor depends on the applied voltage and the hot spot temperature during operation. For capacitors applied in different situation, the designed average service lifes are different. Generally speaking, capacitors used in DC-Link circuits will have a expected lifetime of probable 100000 hrs at rated voltage and 70°C hot spot temperature. Expected lifetime is a statistical value calculated on the basis of experience and on theoretical evaluations. The following diagrams show the correlation between expected life, operating voltage and hot spot temperature. The diagrams should be considered only as a theoretical reference. Please consult our technical department in case of working condition different from the rated ones.



1. 正常使用条件

本标准适用于拟在下列条件下使用的电容器。

1.1 海拔

不超过 1000m。

注：如果海拔超过了 1000m，则应考虑海拔对对流冷却和外绝缘的影响。

1.2 自然空气冷却下的运行温度

对电容器作如下表征：

电容器可以赋能的最低温度，在-40℃、-25℃和-10℃三个优先值中选取。

电容器可以运行的外壳最高温度，在 55℃、70℃和 85℃中选取。

1.3 强迫冷却下的运行温度

如果拟以流动媒质对电容器作强迫冷却，亦应遵守 1.2 所规定的运行温度条件。

应使用表 1 所示的优先的冷却流体的最高温度。用水冷却时，最低进口温度可以是 5℃。

表 1 无时间限制时冷却媒质的最高温度℃

进口温度	出口温度
35	40
45	50
55	60

规定冷却媒质的上限温度有两种方法，或者用进口温度，或者用出口温度。

除非另有协议，方法由电容器制造厂选取。

对于规定进口温度的方法，还必须规定冷却媒质的流速。

Normal service conditions

This standard gives requirements for capacitors intended for use in the following conditions.

Altitude

Altitude shall not exceed 1000m unless the effects on cooling and external insulation are taken into account.

Note: if an altitude of more than 1 000m, you should consider the effect of altitude on convective cooling and insulation.

The operating temperature of the natural air cooling

The following characterization of capacitor:

Capacitor can be the lowest temperature of empowerment, at the temperature of -40 °C, -25 °C and -10 °C three priority value selections.

The highest temperature - shell can run capacitor, selected at 55 °C, 70 °C and 85 °C.

The operating temperature of forced cooling

If intends to flow media on a capacitor as the forced cooling, should also comply with 1.2 operating temperature conditions specified in.

The highest temperature cooling fluid priority should be used as shown in Table 1. When cooling water is used, the minimum inlet temperature is 5 °C.

Table 1 The highest temperature of cooling medium without time limit°C

Inlet temperature	Outlet temperature
35	40
45	50
55	60

Limit temperature of cooling medium has two kinds of methods, or the use of inlet temperature, or with the outlet temperature.

Unless otherwise agreed, method for manufacturing a capacitor factory selection.

The method provides the inlet temperature of cooling medium, must also be specified velocity.

1.4 本标准适用于在电力电子设备中使用的电容器，因此电容器被看作是该设备的部件。

例如：用于符合 GB/T 3859.1、GB/T 3859.2、GB/T 7677、GB/T 7678 或 IEC 411 的半导体变流器。

这些设备一般安装在室内，但是强迫空气冷却则可能使它们受到户外空气条件（即：低温度、高湿度和污秽）的影响。

2. 非正常使用条件

除非制造厂和购买方另有协议，本标准不适用于那些使用条件一般说来不符合本标准要求的电容器。

非正常使用条件要求增加测试，以保证即使在这些非正常使用条件下也能遵循本标准的条件。

如果存在这类非正常的使用条件则必须将其通知电容器制造厂。

这类非正常的使用条件为：

- 1) 非正常的机械冲击和振动；
- 2) 冷却水有腐蚀性或含有阻塞粒子（海水或很硬的水）；
- 3) 冷却空气有腐蚀性和含有磨损性粒子；
- 4) 冷却空气中有导电性尘埃；
- 5) 油或水蒸气或腐蚀性物质；
- 6) 爆炸性气体或尘埃；
- 7) 核辐射；
- 8) 不寻常的贮存和运输温度；
- 9) 不寻常的湿度（热带或亚热带地区）；
- 10) 过分迅速的温度变化（超过 5 °C/h）或湿度变化（超过 5%/h）；
- 11) 使用地方的海拔高于 1 000m；
- 12) 叠加电磁场；
- 13) 过高的过电压，超过了 GB/T 17702.1-1999 中第 3 章所给出的限值。

This standard is applicable to capacitors for use in electronic equipment, so the capacitor is regarded as components of the apparatus.

For example: for compliance with GB/T 3859.1, GB/T 3859.2, GB/T 7677, GB/T 7678 or IEC 411 semiconductor converter.

These devices are installed in the interior, but forced air cooling is likely to make them by outdoor air conditions (i.e.: low temperature, high humidity and pollution) effect.

Normal operating conditions

Unless the manufacturer and purchaser agree otherwise, this standard does not apply to those using conditions in general do not meet the requirements of this standard capacitor.

Non normal use conditions require additional testing, so that they could follow this standard even in these non normal use conditions.

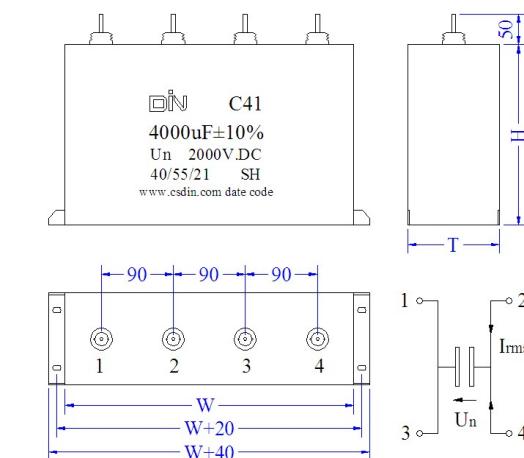
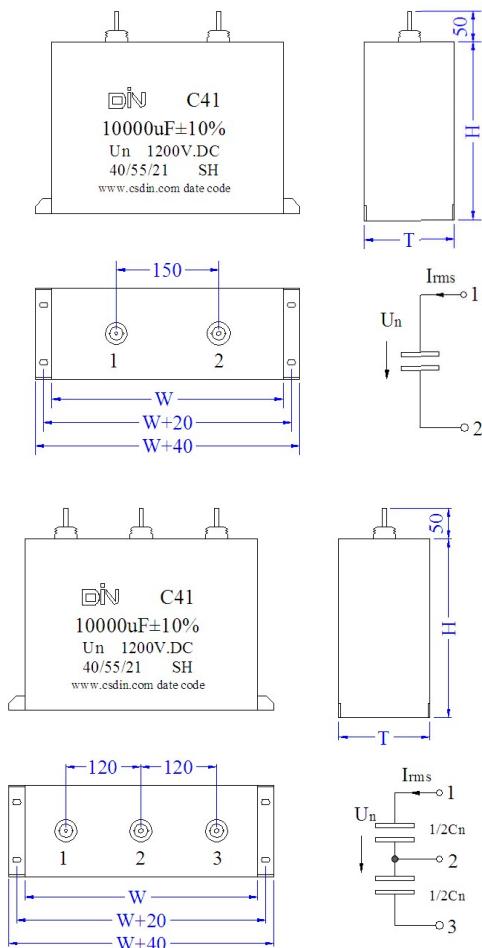
If the existence of this kind of non normal conditions of use must notify the capacitor factory.

This kind of non normal use conditions for:

- 1) Non mechanical shock and vibration normal;
- 2) The cooling water is corrosive or containing blocking particle (sea water or hard water);
- 3) The cooling air is corrosive and abrasive particles containing;
- 4) A conductive dust in the air cooling;
- 5) Oil or water vapor or corrosive substances;
- 6) Explosive gas or dust;
- 7) Nuclear radiation;
- 8) Unusual transport and storage temperature;
- 9) Unusual humidity (tropical or subtropical area);
- 10) Temperature changes too quickly (over 5 °C /h) or humidity changes (more than 5%/h);
- 11) Using the above 1 000m;
- 12) Superposition of electromagnetic field;
- 13) Over voltage is too high, more than GB/T 17702.1-1999 in the third chapter the given limit value.

C41 系列 SERIES

■ 外形图 Outline Drawing



■ 特点

- 不锈钢外壳，阻燃树脂灌封
- 金属化聚丙烯薄膜无感式卷绕
- 有自愈性，等效电阻小，自感小
- 能承受较高的纹波电流

■ 主要用途

- SVG
- 变速传动（驱动、牵引）
- 风能变流器
- 光伏发电逆变器

■ Features

- Stainless steel case, epoxy resin sealing
- Non-inductive winding with metallized polypropylene film
- Self-healing property, Low ESL&Low Ls
- High rms current capability

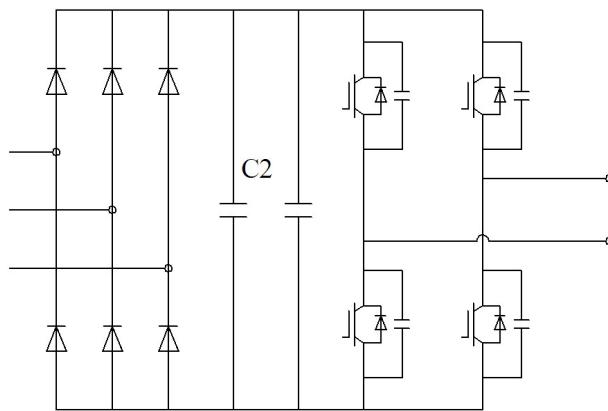
■ Typical application

- SVG
- Speed inverter(drives and traction)
- Wind power converter
- Photovoltaic power inverter

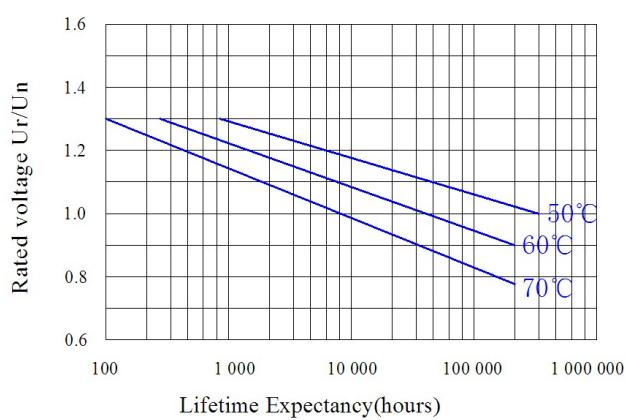
■ 技术参数/Technical Specifications

项目 Items	性能要求 Characteristics		
引用标准/Reference standards	GB/T 17702 IEC 61071		
容量范围/Capacitance	800μF ~20000μF		
额定电压/Rated Voltage	2000V.DC~6000V.DC		
容量偏差/Tolerance	±5% ±10%		
损耗角正切/Dissipation factor	$\operatorname{tg}\delta \leq 20 \times 10^{-4}$ at $25^{\circ}\text{C} \pm 5^{\circ}\text{C}, 100\text{Hz}$		
绝缘电阻/Insulation resistance	$\text{C} \cdot \text{R} \geq 5000\text{S}$, at 100V.DC, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}, 60\text{s}$		
工作温度范围/Operating temperature range(θ_{case})	-40°C ~ 70°C		
极间耐电压/Test voltage between terminals	1.5Un (10S, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$)		
极壳耐电压/Test voltage between terminals and case	($\sqrt{2}$ Un+1000)V.AC(10S, 50/60Hz, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$)		
绝缘电压/Insulation voltage (Ui)	Un/ $\sqrt{2}$ V.AC		
过电压/Over voltage	1.1 Un	30% of the service period	
	1.15 Un	30 min/day	
	1.2 Un	5 min/day	
	1.3 Un	1min/day	
	1.5 Un	100ms no more than 1000 times	
电极端子/Terminals	Thread hole M8*24	Thread hole M10*24	Thread hole M12*30
最大电极扭矩/Max. Torque of terminals	6Nm	8Nm	12Nm
最高使用海拔/Max Altitude	2000m		
预期寿命/Expected lifetime	100 000hrs @ $Un, \theta_{hs}=70^{\circ}\text{C}$		
失效率/Failure rate	100FIT		

■ 典型线路/Typical circuit



■ 预期寿命曲线/ Expected lifetime curve



■ 产品编码说明/Part number code system

▲ 18位产品代码如下:

▲ The 18 digits part number is formed as follow:

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

1~3位: 型号代码

Digit 1~3: Series code

4~6位: 标称容量

Digit 4~6: Rated capacitance value

如: 104=10×10⁴PF=0.1uF

Example: 104=10×10⁴PF=0.1uF

7~10位: 内部特征码

Digit 7~10: Internal use

11位: 容量偏差

Digit 11: Capacitance tolerance

J=±5%、K=±10%、M=±20%

J=±5%、K=±10%、M=±20%

12~13位: 额定电压

Digit 12~13: Rated voltage

28=800V、3C=1200V

28=800V、3C=1200V

3G=1500V、3K=2000V、3S=3000

3G=1500V、3K=2000V、3S=3000

14位: 型体

Digit 14: Electrode

A=单芯、B=双芯

A= A capacitors、B=B capacitors

15~17位: 引出端代码

Digit 15~17: Terminal code

15位 Digit 15		16位 Digit 16		17位 Digit 17	
代码 Code	引出端规格 Specifications of terminals	代码 Code	引出端数量 Number of terminals	代码 Code	脚距 Pitch
B	螺母M6*15*10	2	2	8	80mm
C	螺母M8*15*10	3	3	9	90mm
E	螺杆M6*15*20	4	4	A	120mm
F	螺杆M8*15*20	B	150mm
G	螺杆M12*15*20				

18位: 外壳材质

Digit 18: Shell material

S=不锈钢外壳、I=铁外壳

S= Stainless steel、I= Iron

■ 标准品一览表 Standard size

静电容量 Cap(uF)	Outline size (mm)			I _{KA} (KA)	I _{rms} (A)	ESR (mΩ)	R _{th} (K/W)	Weight (Kg)	Part number
	W±2	H±2	T±2						
Un: 800V.DC									
4000	340	190	125	20.0	120	1.1	0.9	17.6	C41408****□28A*△—S
5500	“	245	“	27.5	150	0.95	0.7	22.4	C41558****□28A*△—S
8000	“	350	“	32.0	180	0.72	0.6	31.2	C41808****□28A*△—S
10000	“	465	“	30.0	200	0.6	“	40.8	C41109****□28A*△—S
6000	420	245	“	“	150	0.95	0.7	26.4	C41608****□28A*△—S
10000	“	360	“	40.0	200	0.72	0.5	39.2	C41109****□28A*△—S
16000	“	560	“	48.0	250	0.55	0.4	59.2	C41169****□28A*△—S
12000	“	245	235	“	250	0.9	0.3	49.6	C41129****□28A*△—S
20000	“	360	“	60.0	300	0.6	“	73.6	C41209****□28A*△—S
Un: 1200V.DC									
2500	340	190	125	20.0	120	1.1	0.9	17.6	C41258****□3CA*△—S
3300	“	245	“	26.4	150	0.95	0.7	22.4	C41338****□3CA*△—S
4200	“	300	“	29.4	150	0.8	0.8	28	C41428****□3CA*△—S
5000	“	300	“	35.0	180	0.8	0.6	32.8	C41508****□3CA*△—S
7500	“	430	“	41.3	200	0.66	“	44.8	C41758****□3CA*△—S
5000	“	190	235	40.0	200	1.1	0.3	32.8	C41508****□3CA*△—S
6800	“	245	“	47.6	200	0.95	0.4	41.6	C41688****□3CA*△—S
8500	“	300	“	59.5	250	0.85	0.3	52	C41858****□3CA*△—S
10000	“	350	“	60.0	250	0.8	“	58.4	C41109****□3CA*△—S
12000	“	420	“	66.0	250	0.7	“	70.4	C41129****□3CA*△—S
5000	420	175	“	40.0	250	1	0.4	36	C41508****□3CA*△—S
7500	“	245	“	52.5	250	0.9	0.3	49.6	C41758****□3CA*△—S
10000	“	300	“	70.0	250	0.8	“	61.6	C41109****□3CA*△—S
12000	“	360	“	72.0	280	0.7	“	73.6	C41129****□3CA*△—S
15000	“	430	“	75.0	300	0.6	“	84	C41159****□3CA*△—S
Un: 1500V.DC									
1200	340	190	125	12.0	120	1.1	0.9	17.6	C41128****□3GA*△—S
2500	“	350	“	20.0	180	0.72	0.6	31.2	C41258****□3GA*△—S
3000	“	420	“	24.0	“	0.66	0.7	37.6	C41308****□3GA*△—S
2000	“	245	“	20.0	150	0.95	“	26.4	C41208****□3GA*△—S
3300	“	360	“	26.4	200	0.72	0.5	39.2	C41338****□3GA*△—S
4000	“	430	“	32.0	“	0.66	0.6	44.8	C41408****□3GA*△—S
2500	“	190	235	25.0	“	1.1	0.3	32.8	C41258****□3GA*△—S
5000	“	350	“	40.0	250	0.8	“	58.4	C41508****□3GA*△—S
4000	420	245	“	“	“	0.9	“	49.6	C41408****□3GA*△—S
5200	“	300	“	46.8	“	0.8	“	61.6	C41528****□3GA*△—S
6600	“	360	“	52.8	280	0.7	“	73.6	C41668****□3GA*△—S
8000	“	430	“	64.0	300	0.6	“	84	C41808****□3GA*△—S

◆ 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

静电容量 Cap(uF)	Outline size (mm)			\hat{I} (KA)	Irms (A)	ESR (mΩ)	Rth (K/W)	Weight (Kg)	Part number
	W±2	H±2	T±2						
Un: 2000V.DC									
800	340	190	125	9.6	120	1.1	0.9	17.6	C41807****□3KA*△—S
1000	“	245	245	12.0	150	0.95	0.7	22.4	C41108****□3KA*△—S
1500	“	350	125	15.0	180	0.72	0.6	31.2	C41158****□3KA*△—S
1900	“	420	“	17.1	180	0.66	0.7	37.6	C41198****□3KA*△—S
1200	“	245	“	14.4	150	0.95	“	26.4	C41128****□3KA*△—S
2000	“	360	“	20.0	200	0.72	0.5	39.2	C41208****□3KA*△—S
2400	“	430	“	21.6	“	0.66	0.6	44.8	C41248****□3KA*△—S
1600	“	190	235	19.2	“	1.1	0.3	32.8	C41168****□3KA*△—S
3200	“	350	“	32.0	250	0.8	“	46.4	C41328****□3KA*△—S
3500	“	420	“	31.5	“	0.7	“	56	C41358****□3KA*△—S
2400	420	245	“	28.8	“	0.9	“	40	C41248****□3KA*△—S
3200	“	300	“	32.0	“	0.8	“	49.6	C41328****□3KA*△—S
4000	“	360	“	40.0	280	0.7	“	58.4	C41408****□3KA*△—S
4800	“	430	“	43.2	300	0.6	“	67.2	C41488****□3KA*△—S
Un: 3000V.DC									
660	420	175	235	12	7.9	150	1	28.8	C41667****□3SA*△—S
840	“	245	“	“	10.1	“	0.9	40	C41847****□3SA*△—S
1050	“	300	“	10	10.5	200	0.8	49.6	C41108****□3SA*△—S
1250	“	360	“	“	12.5	“	0.7	58.4	C41128****□3SA*△—S

◆ 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

◆ 1.“****”表示内部特征码；“****”=Internal use

◆ 2. “□”表示容量偏差；“□”= Capacitance tolerance

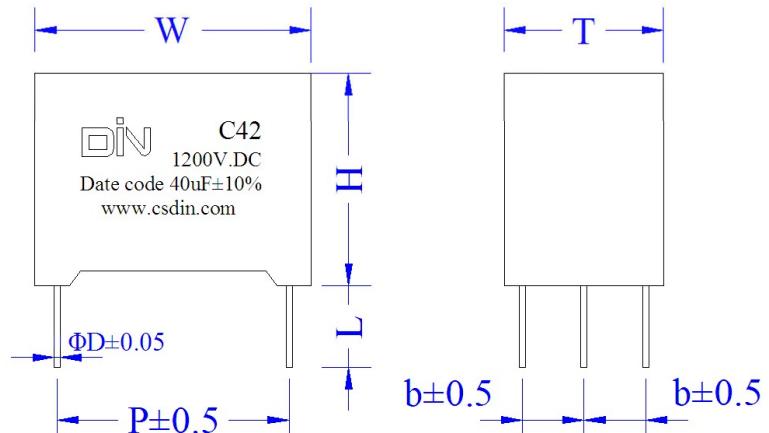
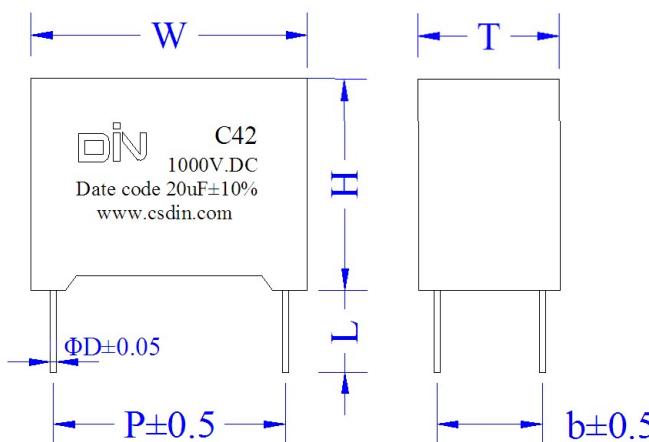
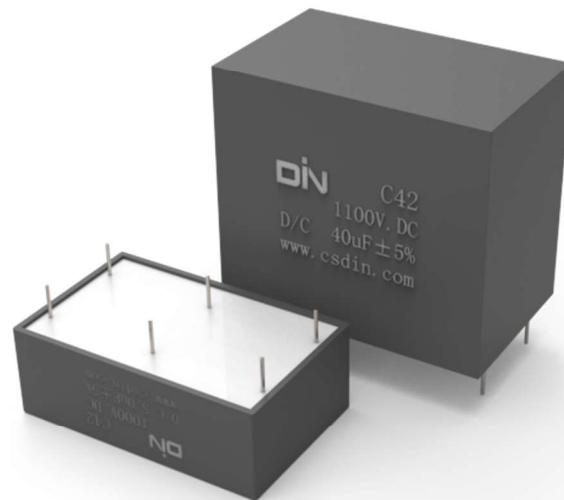
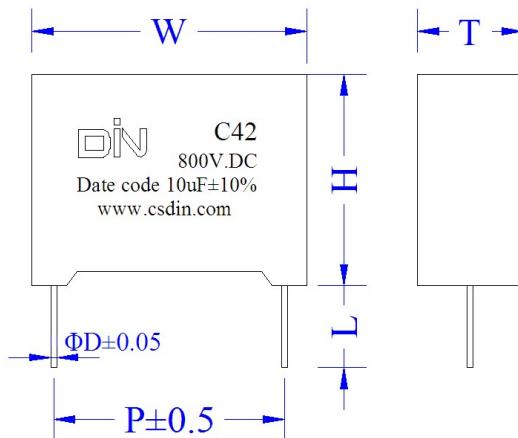
◆ 3. “*”表示引出端型体；“*”= Specifications of terminals

◆ 4. “△”表示端子数量；“*”= Number of terminals

◆ 5. “—”表示脚距；“—”= Pitch

C42 系列 SERIES

■ 外形图 Outline Drawing



■ 特点

- 塑料外壳封装，阻燃（UL 94V-0 级）树脂灌封
- 金属化聚丙烯薄膜无感式卷绕
- 等效串联电阻小，自感小
- 高脉冲电流，高 dv/dt 承受能力

■ Features

- Plastic case, epoxy resin sealing (UL 94V-0)
- Non-inductive winding with metallized polypropylene film
- Low ESR&Low ESL
- High pulse Current, High dv/dt

■ 主要用途

- 高性能直流滤波或DC-Link应用场景(如：变频器、工业和高端电源、太阳能逆变器等)

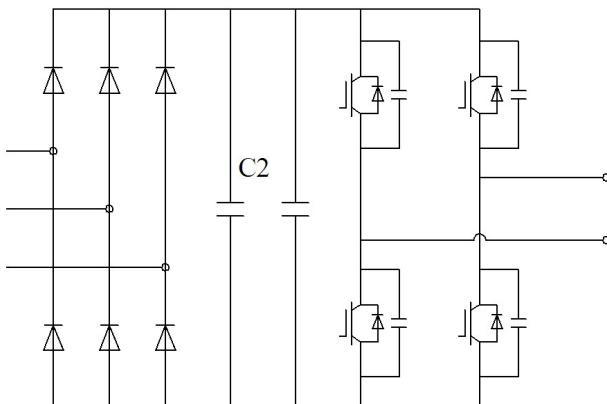
■ Typical application

- DC-Link and coupling/filtering for Inverter, Industrial and high-end power supplies and Solar inverters

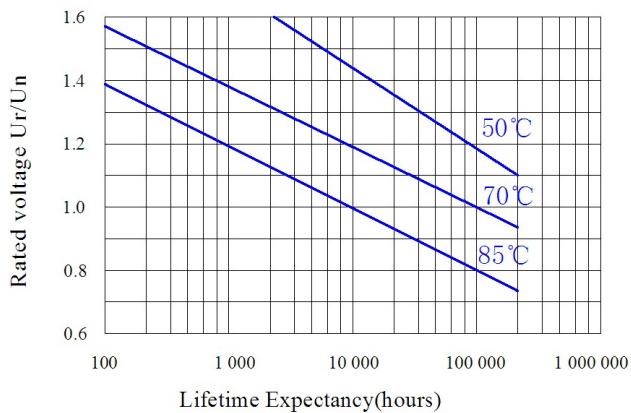
■ 技术参数 Technical Specifications

项目 Items	性能要求 Characteristics	
引用标准/Reference standards	GB/T 17702 IEC 61071	
容量范围/Capacitance	0.68μF ~110μF	
额定电压/Rated Voltage	500V.DC~1200V.DC	
容量偏差/Tolerance	±5% ±10%	
绝缘电阻/Insulation resistance	$C \cdot R \geq 5000S$, at 100V.DC, 25°C ±5°C, 60s	
工作温度范围/Operating temperature range	-40°C ~85°C	
极间耐电压/Test voltage between terminals	1.5Un (10S, 25°C ±5°C)	
极壳耐电压/Test voltage between terminals and case	$(\sqrt{2} Un + 1000)V.AC(10S, 50/60Hz, 25°C ±5°C)$	
过电压/Over voltage	1.1 Un	30% of the service period
	1.15 Un	30 min/day
	1.2 Un	5 min/day
	1.3 Un	1 min/day
	1.5 Un	100ms no more than 1000 times
最高使用海拔/Max Altitude	2000m	
预期寿命/Expected lifetime	100 000hrs @ Un, θhs=70°C	
失效率/Failure rate	100FIT	

■ 典型线路/Typical circuit



■ 预期寿命曲线/ Expected lifetime curve



■ 产品编码说明/Part number code system

▲ 18位产品代码如下:

▲ The 18 digits part number is formed as follow:

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

1~3位: 型号代码

Digit 1~3: Series code

4~6位: 标称容量

Digit 4~6: Rated capacitance value

如: 104=10×10⁴PF=0.1uF

Example: 104=10×10⁴PF=0.1uF

7~10位: 内部特征码

Digit 7~10: Internal use

11位: 容量偏差

Digit 11: Capacitance tolerance

J=±5%、K=±10%、M=±20%

J=±5%、K=±10%、M=±20%

12~13位: 额定电压

Digit 12~13: Rated voltage

2Y=500V、24=600V、28=800V

2Y=500V、24=600V、28=800V

20=900V、3A=1000、3V=1200V

20=900V、3A=1000、3V=1200V

14~16位: 引出端代码

Digit 14~16: Terminal code

14位 Digit 14		15位 Digit 15		16位 Digit 16	
代码 Code	电极 Electrode	代码 Code	脚型 Lead kinked	代码 Code	脚长偏差 Length tolerance
3	0.8CU	A	2引线	0	L±1.0mm
4	1.0CU	D	4引线b=10.2mm	A	L±0.5mm
5	1.2CU	H	4引线b=20.3mm		

17~18位: 脚长

Digit 17~18: Lead length

00=5.5mm, 38=3.8mm, 40=4.0mm

00=5.5mm, 38=3.8mm, 40=4.0mm

■ 标准品一览表 Standard size

静电容量 Cap(uF)	Outline size (mm)			P ±0.5	b ±0.5	d ±0.5	dv/dt (V/us)	tgδ*(10 ⁻⁴)		ESR @10kHz (mΩ)	I _{max} (A)	Part number
	W±1	H±1	T±1					1kHz	10kHz			
Un, _{85°C} : 500V.DC												
5.0	32.0	20.0	11.0	27.5	—	0.8	65	10	100	8.5	5.0	C42505**H*□2Y3AA00
10.0	“	24.5	15.0	“	—	“	“	“	“	7.5	6.5	C42106**H*□2Y3AA00
22.0	“	37.0	22.0	“	—	“	“	“	“	5.0	10.0	C42226**H*□2Y3AA00
30.0	42.0	40.0	20.0	37.5	10.2	1.0	30	15	150	8.0	12.5	C42306**J*□2Y4DA00
35.0	“	36.0	24.0	“	“	“	“	“	“	8.0	13.5	C42356**J*□2Y4DA00
40.0	“	37.5	27.5	“	“	“	“	“	“	5.0	14.5	C42406**J*□2Y4DA00
50.0	“	43.0	28.0	“	“	1.2	“	“	“	4.0	16.0	C42506**J*□2Y5DA00
50.0	“	45.0	30.0	“	20.3	“	“	“	“	“	“	C42506**J*□2Y5HA00
60.0	“	“	“	“	“	“	“	“	“	3.0	16.5	C42606**H*□2Y5HA00
75.0	57.0	43.5	29.5	52.5	10.2	“	15	35	350	5.5	16.0	C42756**M*□2Y5DA00
75.0	“	“	“	“	20.3	“	“	“	“	“	“	C42756**M*□2Y5HA00
80.0	“	43.5	29.5	“	“	“	“	“	“	5.0	16.5	C42806**M*□2Y5HA00
100.0	“	50.0	35.0	“	“	“	“	“	“	4.0	18.0	C42107**M*□2Y5HA00
110.0	“	“	“	“	“	“	“	“	“	“	19.0	C42117**M*□2Y5HA00
Un, _{85°C} : 600V.DC												
2.0	32.0	18.0	9.0	27.5	—	0.8	65	11	100	47.8	2.8	C42205**H*□243AA00
3.0	“	20.0	11.0	“	—	“	“	“	“	31.8	4.1	C42305**H*□243AA00
4.0	“	“	“	“	—	“	“	“	“	23.9	5.5	C42405**H*□243AA00
5.0	“	22.0	13.0	“	—	“	“	“	“	19.1	6.9	C42505**H*□243AA00
6.0	“	24.5	15.0	“	—	“	“	“	“	18.6	7.1	C42605**H*□243AA00
7.0	“	“	“	“	—	“	“	“	“	15.9	8.3	C42705**H*□243AA00
8.0	“	28.0	14.0	“	—	“	“	“	“	13.9	9.5	C42805**H*□243AA00
9.0	“	30.0	16.0	“	—	“	“	“	“	12.4	10.7	C42905**H*□243AA00
10.0	“	“	“	“	—	“	“	“	“	11.1	11.8	C42106**H*□243AA00
12.0	“	33.0	18.0	“	—	“	“	“	“	10.8	12.0	C42126**H*□243AA00
15.0	“	“	“	“	—	“	“	“	“	9.0	12.0	C42156**H*□243AA00
15.0	“	“	“	“	10.2	“	“	“	“	7.4	17.8	C42156**H*□243DA00
18.0	“	“	“	“	—	“	“	“	“	8.0	12.0	C42186**H*□243AA00
18.0	“	“	“	“	10.2	“	“	“	“	6.2	21.3	C42186**H*□243DA00
10.0	41.0	30.0	16.0	37.5	—	1.0	30	20	175	19.5	6.2	C42106**J*□244AA00
12.0	“	“	“	“	—	“	“	“	“	16.3	7.4	C42126**J*□244AA00
15.0	“	33.5	18.5	“	—	“	“	“	“	13.0	9.2	C42156**J*□244AA00
20.0	42.0	40.0	20.0	“	10.2	“	“	“	“	9.8	12.3	C42206**J*□244DA00
22.0	“	“	“	“	“	“	“	“	“	8.9	13.5	C42226**J*□244DA00
25.0	“	“	“	“	“	“	“	“	“	7.8	15.4	C42256**J*□244DA00

◆ 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

静电容量 Cap(uF)	Outline size (mm)			P ±0.5	b ±0.5	d ±0.5	dv/dt (V/us)	tgδ*(10 ⁻⁴)		ESR @10kHz (mΩ)	I _{max} (A)	Part number
	W±1	H±1	T±1					1kHz	10kHz			
Un,85°C: 600V.DC												
30.0	42.0	44.0	24.0	37.5	10.2	1.0	30	20	175	6.5	18.5	C42306**J*□244DA00
35.0	"	45.0	30.0	"	"	1.2	"	"	"	6.0	20.1	C42356**J*□245DA00
35.0	"	"	"	"	20.3	"	"	"	"	"	"	C42356**J*□245HA00
40.0	"	"	"	"	10.2	"	"	"	"	5.2	23.0	C42406**J*□245DA00
40.0	"	"	"	"	20.3	"	"	"	"	"	"	C42406**J*□245DA00
45.0	"	50.0	35.0	"	10.2	"	"	"	"	4.6	25.8	C42456**J*□245DA00
45.0	"	"	"	"	20.3	"	"	"	"	"	"	C42456**J*□245HA00
50.0	"	"	"	"	"	"	"	"	"	4.2	28.7	C42506**J*□245HA00
55.0	"	"	"	"	"	"	"	"	"	3.8	31.6	C42556**J*□245HA00
60.0	"	55.0	40.0	"	"	"	"	"	"	3.5	34.5	C42606**J*□245HA00
65.0	"	"	"	"	"	"	"	"	"	3.2	35.0	C42656**J*□245HA00
70.0	"	"	"	"	"	"	"	"	"	3.0	"	C42706**J*□245HA00
75.0	"	60.0	45.0	"	"	"	"	"	"	2.8	"	C42456**J*□245HA00
80.0	"	"	"	"	"	"	"	"	"	2.6	"	C42456**J*□245HA00
85.0	"	"	"	"	"	"	"	"	"	2.5	"	C42456**J*□245HA00
40.0	57.0	45.0	25.0	52.5	10.2	"	15	36	350	9.8	12.3	C42406**M*□245DA00
45.0	"	"	"	"	"	"	"	"	"	8.7	13.8	C42456**M*□245DA00
50.0	"	"	"	"	"	"	"	"	"	7.8	15.4	C42506**M*□245DA00
55.0	"	43.5	29.5	"	"	"	"	"	"	7.1	16.9	C42556**M*□245DA00
55.0	"	"	"	"	20.3	"	"	"	"	"	"	C42556**M*□245HA00
60.0	"	"	"	"	10.2	"	"	"	"	6.5	18.5	C42606**M*□245DA00
60.0	"	"	"	"	20.3	"	"	"	"	"	"	C42606**M*□245HA00
65.0	"	50.0	35.0	"	10.2	"	"	"	"	6.0	20.0	C42656**M*□245DA00
65.0	"	"	"	"	20.3	"	"	"	"	"	"	C42656**M*□245HA00
70.0	"	"	"	"	"	"	"	"	"	5.6	21.5	C42706**M*□245HA00
75.0	"	"	"	"	"	"	"	"	"	5.2	23.1	C42756**M*□245HA00
80.0	"	"	"	"	"	"	"	"	"	4.9	24.6	C42806**M*□245HA00
85.0	"	55.0	45.0	"	"	"	"	"	"	4.8	25.1	C42856**M*□245HA00
90.0	"	"	"	"	"	"	"	"	"	4.6	25.8	C42906**M*□245HA00
95.0	"	"	"	"	"	"	"	"	"	4.4	27.3	C42956**M*□245HA00
100.0	"	"	"	"	"	"	"	"	"	4.2	28.7	C42107**M*□245HA00
110.0	"	"	"	"	"	"	"	"	"	3.8	31.6	C42117**M*□245HA00
120.0	"	65.0	45.0	"	"	"	"	"	"	3.5	34.5	C42127**M*□245HA00
130.0	"	"	"	"	"	"	"	"	"	3.2	35.0	C42137**M*□245HA00
140.0	"	"	"	"	"	"	"	"	"	3.0	35.0	C42147**M*□245HA00

◆ 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

静电容量 Cap(uF)	Outline size (mm)			P ±0.5	b ±0.5	d ±0.5	dv/dt (V/us)	tgδ*(10 ⁻⁴)		ESR @10kHz (mΩ)	I _{max} (A)	Part number
	W±1	H±1	T±1					1kHz	10kHz			
Un,85°C: 800V.DC												
2.0	32.0	18.0	9.0	27.5	—	0.8	65	10	95	45.4	2.9	C42205**H*□283AA00
3.0	“	20.0	11.0	“	—	“	“	“	“	30.3	4.4	C42305**H*□283AA00
3.3	“	30.0	16.0	“	—	“	“	“	“	18.8	7.0	C42335**H*□283AA00
4.0	“	25.0	13.0	“	—	“	“	“	“	22.7	5.8	C42405**H*□283AA00
5.0	“	24.5	15.0	“	—	“	“	“	“	18.2	7.3	C42505**H*□283AA00
6.0	“	30.0	16.0	“	—	“	“	“	“	15.1	8.7	C42605**H*□283AA00
7.0	“	“	“	“	—	“	“	“	“	13.0	10.2	C42705**H*□283AA00
8.0	“	33.0	18.0	“	—	“	“	“	“	12.5	10.5	C42805**H*□283AA00
9.0	“	“	“	“	—	“	“	“	“	11.1	11.8	C42905**H*□283AA00
10.0	“	37.0	22.0	“	—	“	“	“	“	11.0	12.0	C42106**H*□283AA00
10.0	“	“	“	“	10.2	“	“	“	“	9.1	14.5	C42106**H*□283DA00
11.0	“	“	“	“	—	“	“	“	“	10.0	12.0	C42116**H*□283AA00
11.0	“	“	“	“	10.2	“	“	“	“	8.3	16.0	C42116**H*□283DA00
12.0	“	“	“	“	—	“	“	“	“	9.3	12.0	C42126**H*□283AA00
12.0	“	“	“	“	10.2	“	“	“	“	7.6	16.0	C42126**H*□283DA00
13.0	“	“	“	“	—	“	“	“	“	8.8	12.0	C42136**H*□283AA00
13.0	“	“	“	“	10.2	“	“	“	“	8.1	16.2	C42136**H*□283DA00
14.0	“	“	“	“	—	“	“	“	“	8.2	12.0	C42146**H*□283AA00
14.0	“	“	“	“	10.2	“	“	10	160	7.6	17.5	C42146**H*□283DA00
8.0	41.0	30.0	16.0	37.5	—	1.0	30	18	“	22.3	5.4	C42805**J*□284AA00
9.0	“	“	“	“	—	“	“	“	“	19.8	6.1	C42905**J*□284AA00
10.0	“	33.5	18.5	“	—	“	“	“	“	17.8	6.7	C42106**J*□284AA00
12.0	“	33.5	20.0	“	—	“	“	“	“	14.9	8.1	C42126**J*□284AA00
15.0	42.0	40.0	24.0	“	10.2	“	“	“	“	11.9	10.1	C42156**J*□284DA00
20.0	“	44.0	“	“	“	“	“	“	“	8.9	13.5	C42206**J*□284DA00
25.0	“	“	30.0	“	“	“	“	“	“	7.1	16.8	C42256**J*□284DA00
30.0	“	45.0	“	“	“	1.2	“	“	“	5.9	20.2	C42306**J*□285DA00
30.0	“	“	“	“	20.3	“	“	“	“	5.9	20.2	C42306**J*□285HA00
35.0	“	“	35.0	“	“	“	“	“	“	5.9	22.0	C42356**J*□285HA00
40.0	“	50.0	“	“	“	“	“	“	“	5.5	25.1	C42406**J*□285HA00
45.0	“	“	40.0	“	“	“	“	“	“	4.8	28.3	C42456**J*□285HA00
50.0	“	55.0	“	“	“	“	“	“	“	4.2	31.4	C42506**J*□285HA00
55.0	“	“	45.0	“	“	“	“	“	“	3.8	34.5	C42556**J*□285HA00
60.0	“	60.0	“	“	“	“	“	“	“	3.5	35.0	C42606**J*□285HA00
65.0	“	“	“	“	“	“	“	“	“	3.2	35.0	C42656**J*□285HA00
25.0	57.0	45.0	25.0	52.5	10.2	“	15	33	320	2.9	8.4	C42256**M*□285DA00

◆ 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

静电容量 Cap(uF)	Outline size (mm)			P ±0.5	b ±0.5	d ±0.5	dv/dt (V/us)	tgδ*(10 ⁻⁴)		ESR @10kHz (mΩ)	I _{max} (A)	Part number
	W±1	H±1	T±1					1kHz	10kHz			
Un,85°C: 800V.DC												
30.0	57.0	45.0	25.0	52.5	10.2	1.2	15	33	320	11.9	10.1	C42306**M*□285DA00
35.0	"	"	"	"	"	"	"	"	"	10.2	11.8	C42356**M*□285DA00
40.0	"	43.5	29.5	"	"	"	"	"	"	8.9	13.5	C42406**M*□285DA00
40.0	"	"	"	"	20.3	"	"	"	"	8.9	13.5	C42406**M*□285HA00
45.0	"	"	"	"	10.2	"	"	"	"	7.9	15.1	C42456**M*□285DA00
45.0	"	"	"	"	20.3	"	"	"	"	7.9	15.1	C42456**M*□285HA00
50.0	"	50.0	35.0	"	10.2	"	"	"	"	7.1	16.8	C42506**M*□285DA00
50.0	"	"	"	"	20.3	"	"	"	"	7.1	16.8	C42506**M*□285HA00
55.0	"	"	"	"	"	"	"	"	"	6.5	18.5	C42556**M*□285HA00
60.0	"	"	"	"	"	"	"	"	"	5.9	20.2	C42606**M*□285HA00
65.0	"	55.0	45.0	"	"	"	"	"	"	5.5	21.9	C42656**M*□285HA00
70.0	"	"	"	"	"	"	"	"	"	5.1	23.6	C42706**M*□285HA00
75.0	"	"	"	"	"	"	"	"	"	4.8	25.2	C42756**M*□285HA00
80.0	"	"	"	"	"	"	"	"	"	4.6	25.9	C42806**M*□285HA00
85.0	"	"	"	"	"	"	"	"	"	4.5	26.7	C42856**M*□285HA00
90.0	"	"	"	"	"	"	"	"	"	4.2	28.3	C42906**M*□285HA00
95.0	"	65.0	"	"	"	"	"	"	"	4.0	29.8	C42956**M*□285HA00
100.0	"	"	"	"	"	"	"	"	"	3.8	31.4	C42107**M*□285HA00
110.0	"	"	"	"	"	"	"	"	"	3.5	34.5	C42117**M*□285HA00
Un,85°C: 900V.DC												
1.0	32.0	18.0	9.0	27.5	-	0.8	70	9	90	86.0	1.5	C42105**H*□203AA00
2.0	"	20.0	11.0	"	-	"	"	"	"	43.0	3.1	C42205**H*□203AA00
3.0	"	22.0	13.0	"	-	"	"	"	"	28.7	4.6	C42305**H*□203AA00
4.0	"	24.5	15.0	"	-	"	"	"	"	21.5	6.1	C42405**H*□203AA00
5.0	"	30.0	16.0	"	-	"	"	"	"	17.2	7.7	C42505**H*□203AA00
6.0	"	33.0	18.0	"	-	"	"	"	"	18.0	6.9	C42605**H*□203AA00
7.0	"	"	"	"	-	"	"	"	"	13.0	10.2	C42705**H*□203AA00
8.0	"	37.0	22.0	"	-	"	"	"	"	11.5	11.4	C42805**H*□203AA00
8.0	"	"	"	"	10.2	"	"	"	"	10.7	12.3	C42805**H*□203DA00
9.0	"	"	"	"	-	"	"	"	"	10.4	12.0	C42905**H*□203AA00
9.0	"	"	"	"	10.2	"	"	"	"	9.6	13.8	C42905**H*□203DA00
10.0	"	"	"	"	-	"	"	"	"	12.0	12.2	C42106**H*□203AA00
10.0	"	"	"	"	10.2	"	"	"	"	8.6	15.4	C42106**H*□203DA00
4.7	41.0	26.0	15.0	37.5	-	1.0	35	17	150	35.6	3.4	C42475**J*□204AA00
5.0	"	30.0	16.0	"	-	"	"	"	"	33.4	3.6	C42505**J*□204AA00

♦ 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

静电容量 Cap(uF)	Outline size (mm)			P ±0.5	b ±0.5	d ±0.5	dv/dt (V/us)	tgδ*(10 ⁻⁴)		ESR @10kHz (mΩ)	I _{max} (A)	Part number
	W±1	H±1	T±1					1kHz	10kHz			
Un, _{85°C} : 900V.DC												
6.0	41.0	30.0	16.0	37.5	—	1.0	35	17	150	27.9	4.3	C42605**J*□204AA00
7.0	“	“	“	“	—	“	“	“	“	23.9	5.0	C42705**J*□204AA00
8.0	“	33.0	18.0	“	—	“	“	“	“	20.9	5.7	C42805**J*□204AA00
10.0	42.0	40.0	20.0	“	10.2	“	“	“	“	16.7	7.2	C42106**J*□204DA00
12.0	41.0	37.0	22.0	“	“	“	“	“	“	13.9	8.6	C42126**J*□204DA00
15.0	42.0	44.0	24.0	“	“	“	“	“	“	11.1	10.8	C42156**J*□204DA00
18.0	“	“	“	“	“	“	“	“	“	9.3	12.9	C42186**J*□204DA00
20.0	“	“	“	“	“	“	“	“	“	8.4	14.4	C42206**J*□204DA00
25.0	“	45.0	30.0	“	“	1.2	“	“	“	6.7	17.9	C42256**J*□205DA00
25.0	“	“	“	“	20.3	“	“	“	“	“	“	C42256**J*□205HA00
30.0	“	50.0	35.0	“	“	“	“	“	“	5.6	21.5	C42306**J*□205HA00
35.0	“	55.0	40.0	“	“	“	“	“	“	5.1	23.4	C42356**J*□205HA00
40.0	“	“	“	“	“	“	“	“	“	4.5	26.8	C42406**J*□205HA00
45.0	“	60.0	45.0	“	“	“	“	“	“	4.0	30.1	C42456**J*□205HA00
50.0	“	“	“	“	“	“	“	“	“	3.6	33.5	C42506**J*□205HA00
15.0	57.0	45.0	25.0	52.5	10.2	“	15	31	300	22.3	5.4	C42156**M*□205DA00
20.0	“	“	“	“	“	“	“	“	“	16.7	7.2	C42206**M*□205DA00
25.0	“	“	“	“	“	“	“	“	“	13.4	9.0	C42256**M*□205DA00
30.0	“	43.5	29.5	“	“	“	“	“	“	11.1	10.8	C42306**M*□205DA00
30.0	“	“	“	“	20.3	“	“	“	“	“	“	C42306**M*□205HA00
35.0	“	“	“	“	10.2	“	“	“	“	9.6	12.6	C42356**M*□205DA00
35.0	“	“	“	“	20.3	“	“	“	“	“	“	C42356**M*□205HA00
40.0	“	50.0	35.0	“	“	“	“	“	“	8.4	14.4	C42406**M*□205HA00
45.0	“	“	“	“	“	“	“	“	“	7.4	16.1	C42456**M*□205HA00
50.0	“	“	“	“	“	“	“	“	“	6.7	17.9	C42506**M*□205HA00
55.0	“	55.0	45.0	“	“	“	“	“	“	6.1	19.7	C42556**M*□205HA00
60.0	“	“	“	“	“	“	“	“	“	5.6	21.5	C42606**M*□205HA00
65.0	“	“	“	“	“	“	“	“	“	5.1	23.3	C42656**M*□205HA00
70.0	“	65.0	“	“	“	“	“	“	“	4.8	25.1	C42706**M*□205HA00
75.0	“	“	“	“	“	“	“	“	“	4.7	25.7	C42756**M*□205HA00
80.0	“	“	“	“	“	“	“	“	“	4.5	26.8	C42806**M*□205HA00
85.0	“	“	“	“	“	“	“	“	“	4.2	28.5	C42856**M*□205HA00

◆ 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

静电容量 Cap(uF)	Outline size (mm)			P ±0.5	b ±0.5	d ±0.5	dv/dt (V/us)	tgδ*(10 ⁻⁴)		ESR @10kHz (mΩ)	I _{max} (A)	Part number
	W±1	H±1	T±1					1kHz	10kHz			
U _{n,85°C} : 1000V.DC												
1.0	32.0	18.0	9.0	27.5	—	0.8	75	8	80	76.4	1.7	C42105**H*□3A3AA00
2.0	"	22.0	13.0	"	—	"	"	"	"	38.2	3.5	C42205**H*□3A3AA00
3.0	"	24.5	15.0	"	—	"	"	"	"	25.5	5.2	C42305**H*□3A3AA00
4.0	"	30.0	16.0	"	—	"	"	"	"	19.1	6.8	C42405**H*□3A3AA00
5.0	"	33.0	18.0	"	—	"	"	"	"	15.3	8.6	C42505**H*□3A3AA00
6.0	"	33.0	18.0	"	—	"	"	"	"	14.9	8.9	C42605**H*□3A3AA00
7.0	"	37.0	22.0	"	—	"	"	"	"	14.5	9.4	C42705**H*□3A3AA00
7.0	"	"	"	"	10.2	"	"	"	"	11.4	11.6	C42705**H*□3A3DA00
8.0	"	"	"	"	—	"	"	"	"	13.0	10.8	C42805**H*□3A3AA00
8.0	"	"	"	"	10.2	"	"	"	"	10.0	13.3	C42805**H*□3A3DA00
5.0	41.0	30.0	16.0	37.5	—	1.0	37	15	140	31.2	3.8	C42505**J*□3A4AA00
6.0	"	"	"	"	—	"	"	"	"	26.0	4.6	C42605**J*□3A4AA00
7.0	"	33.0	18.0	"	—	"	"	"	"	22.3	5.4	C42705**J*□3A4AA00
8.0	"	"	"	"	—	"	"	"	"	19.5	6.2	C42805**J*□3A4AA00
10.0	42.0	40.0	20.0	"	—	"	"	"	"	15.6	6.7	C42106**J*□3A4AA00
10.0	"	"	"	"	10.2	"	"	"	"	15.6	7.7	C42106**J*□3A4DA00
12.0	41.0	37.0	22.0	"	"	"	"	"	"	13.0	9.2	C42126**J*□3A4DA00
12.0	"	"	"	"	—	"	"	"	"	15.0	8.0	C42126**J*□3A4AA00
15.0	42.0	44.0	24.0	"	10.2	"	"	"	"	10.4	11.5	C42156**J*□3A4DA00
18.0	"	45.0	30.0	"	"	"	"	"	"	8.7	13.8	C42186**J*□3A5DA00
18.0	"	"	"	"	20.3	"	"	"	"	8.7	13.8	C42186**J*□3A5HA00
20.0	"	"	"	"	10.2	"	"	"	"	7.8	15.4	C42206**J*□3A5DA00
20.0	"	"	"	"	20.3	"	"	"	"	"	"	C42206**J*□3A5HA00
25.0	"	50.0	35.0	"	"	"	"	"	"	6.2	19.2	C42256**J*□3A5HA00
30.0	"	"	40.0	"	"	"	"	"	"	5.2	23.1	C42306**J*□3A5HA00
35.0	"	"	"	"	"	"	"	"	"	4.8	25.1	C42356**J*□3A5HA00
40.0	"	60.0	45.0	"	"	"	"	"	"	4.2	28.7	C42406**J*□3A5HA00
15.0	57.0	45.0	25.0	52.5	10.2	1.2	17	28	280	20.8	5.8	C42156**M*□3A5DA00
20.0	"	45.0	"	"	"	"	"	"	"	15.6	7.7	C42206**M*□3A5DA00
25.0	"	"	"	"	"	"	"	"	"	12.5	9.6	C42256**M*□3A5DA00
30.0	"	"	30.0	"	"	"	"	"	"	10.4	11.5	C42306**M*□3A5DA00
30.0	"	"	30.0	"	20.3	"	"	"	"	"	"	C42306**M*□3A5HA00
35.0	"	50.0	35.0	"	"	"	"	"	"	8.9	13.5	C42356**M*□3A5HA00
40.0	"	"	"	"	"	"	"	"	"	7.8	15.4	C42406**M*□3A5HA00
45.0	"	55.0	45.0	"	"	"	"	"	"	6.9	17.3	C42456**M*□3A5HA00
50.0	"	"	"	"	"	"	"	"	"	6.2	19.2	C42506**M*□3A5HA00
55.0	"	"	"	"	"	"	"	"	"	5.7	21.1	C42556**M*□3A5HA00
60.0	"	65.0	"	"	"	"	"	"	"	5.2	23.1	C42606**M*□3A5HA00
65.0	"	"	"	"	"	"	"	"	"	4.8	25.0	C42656**M*□3A5HA00
70.0	"	"	"	"	"	"	"	"	"	4.5	26.9	C42706**M*□3A5HA00

◆ 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

静电容量 Cap(uF)	Outline size (mm)			P ±0.5	b ±0.5	d ±0.5	dv/dt (V/us)	tgδ*(10 ⁻⁴)		ESR @10kHz (mΩ)	I _{max} (A)	Part number
	W±1	H±1	T±1					1kHz	10kHz			
Un, _{85°C} : 1100V.DC												
0.68	32.0	20.0	11.0	27.5	—	0.8	80	8	70	80.0	1.7	C42684**H*□3B3AA00
1.0	"	"	"	"	—	"	"	"	"	59.4	2.2	C42105**H*□3B3AA00
1.5	"	"	13.0	"	—	"	"	"	"	55.7	2.4	C42155**H*□3B3AA00
2.0	"	25.0	"	"	—	"	"	"	"	27.9	4.7	C42205**H*□3B3AA00
3.0	"	30.0	16.0	"	—	"	"	"	"	20.4	6.6	C42305**H*□3B3AA00
4.0	"	33.0	18.0	"	—	"	"	"	"	15.3	8.6	C42405**H*□3B3AA00
5.0	"	37.0	22.0	"	—	"	"	"	"	14.0	9.8	C42505**H*□3B3DA00
5.0	"	"	"	"	10.2	"	"	"	"	12.3	10.8	C42505**H*□3B3AA00
6.0	"	"	"	"	—	"	"	"	"	"	"	C42605**H*□3B3DA00
6.0	"	"	"	"	10.2	"	"	"	"	10.2	12.9	C42605**H*□3B3AA00
3.0	41.0	30.0	16.0	37.5	—	1.0	40	15	130	48.3	2.5	C42305**J*□3B4AA00
4.0	"	"	"	"	—	"	"	"	"	36.2	3.3	C42405**J*□3B4AA00
4.7	"	33.5	18.5	"	—	"	"	"	"	30.8	3.9	C42475**J*□3B4AA00
5.0	"	"	"	"	—	"	"	"	"	29.0	4.1	C42505**J*□3B4AA00
6.0	"	"	"	"	—	"	"	"	"	24.2	5.0	C42605**J*□3B4AA00
7.0	42.0	40.0	20.0	"	10.2	"	"	"	"	20.7	5.8	C42705**J*□3B4DA00
8.0	41.0	37.0	"	"	"	"	"	"	"	18.1	6.6	C42805**J*□3B4DA00
9.0	"	"	"	"	"	"	"	"	"	16.1	7.5	C42905**J*□3B4DA00
10.0	42.0	44.0	24.0	"	"	"	"	"	"	14.5	8.3	C42106**J*□3B4DA00
12.0	"	"	"	"	"	"	"	"	"	12.1	9.9	C42126**J*□3B4DA00
12.0	"	"	"	"	—	"	"	"	"	14.0	8.6	C42126**J*□3B4AA00
15.0	"	45.0	30.0	"	10.2	1.2	"	"	"	9.7	12.4	C42156**J*□3B5DA00
15.0	"	"	"	"	20.3	"	"	"	"	"	"	C42156**J*□3B5HA00
18.0	"	50.0	35.0	"	"	"	"	"	"	8.1	14.9	C42186**J*□3B5HA00
20.0	"	"	"	"	"	"	"	"	"	7.2	16.6	C42206**J*□3B5HA00
25.0	"	55.0	40.0	"	"	"	"	"	"	5.8	20.7	C42256**J*□3B5HA00
30.0	"	60.0	45.0	"	"	"	"	"	"	4.8	24.8	C42306**J*□3B5HA00
15.0	57.0	45.0	25.0	52.5	10.2	"	20	27	260	19.3	6.2	C42156**M*□3B5DA00
20.0	"	43.5	29.5	"	"	"	"	"	"	14.5	8.3	C42206**M*□3B5DA00
20.0	"	"	"	"	20.3	"	"	"	"	"	"	C42206**M*□3B5HA00
25.0	"	50.0	35.0	"	"	"	"	"	"	11.6	10.4	C42256**M*□3B5HA00
30.0	"	"	"	"	"	"	"	"	"	9.7	12.4	C42306**M*□3B5HA00
35.0	"	55.0	45.0	"	"	"	"	"	"	8.4	14.3	C42356**M*□3B5HA00
40.0	"	"	"	"	"	"	"	"	"	7.8	15.5	C42406**M*□3B5HA00
45.0	"	"	"	"	"	"	"	"	"	6.9	17.4	C42456**M*□3B5HA00
50.0	"	65.0	"	"	"	"	"	"	"	6.2	19.3	C42506**M*□3B5HA00
55.0	"	"	"	"	"	"	"	"	"	5.6	21.3	C42556**M*□3B5HA00

◆ 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

静电容量 Cap(uF)	Outline size (mm)			P ±0.5	b ±0.5	d ±0.5	dv/dt (V/us)	tgδ*(10 ⁻⁴)		ESR @10kHz (mΩ)	I _{max} (A)	Part number
	W±1	H±1	T±1					1kHz	10kHz			
Un, _{85°C} : 1200V.DC												
1.0	32.0	20.0	11.0	27.5	—	0.8	90	7	55	39.5	4.5	C42105**H*□3C3AA00
2.0	"	24.5	15.0	"	—	"	"	"	"	26.3	5.0	C42205**H*□3C3AA00
3.0	"	30.0	16.0	"	—	"	"	"	"	17.5	7.5	C42305**H*□3C3AA00
4.0	"	33.0	18.0	"	—	"	"	"	"	13.9	9.5	C42405**H*□3C3AA00
5.0	"	37.0	22.0	"	—	"	"	"	"	10.2	10.4	C42505**H*□3C3AA00
5.0	"	"	"	"	10.2					11.1	11.8	C42505**H*□3C3DA00
3.0	41.0	30.0	16.0	37.5	—	1.0	45	13	100	37.2	3.2	C42305**J*□3C4AA00
4.0	"	"	"	"	—	"	"	"	"	27.9	4.3	C42405**J*□3C4AA00
5.0	"	33.5	18.5	"	—	"	"	"	"	22.3	5.4	C42505**J*□3C4AA00
6.0	42.0	40.0	20.0	"	—	"	"	"	"	18.6	6.5	C42605**J*□3C4AA00
7.0	41.0	37.0	22.0	"	10.2	"	"	"	"	15.9	7.2	C42705**J*□3C4DA00
8.0	42.0	44.0	24.0	"	"	"	"	"	"	13.9	8.6	C42805**J*□3C4DA00
9.0	"	"	"	"	"	"	"	"	"	12.4	9.7	C42905**J*□3C4DA00
10.0	"	"	"	"	"	"	"	"	"	11.1	10.8	C42106**J*□3C4DA00
12.0	"	45.0	30.0	"	"	1.2	"	"	"	9.3	12.9	C42126**J*□3C5DA00
12.0	"	"	"	"	20.3	"	"	"	"	9.3	12.9	C42126**J*□3C5HA00
15.0	"	50.0	35.0	"	"	"	"	"	"	7.4	16.1	C42156**J*□3C5HA00
18.0	"	"	"	"	"	"	"	"	"	6.6	18.1	C42186**J*□3C5HA00
20.0	"	55.0	40.0	"	"	"	"	"	"	6.	20.1	C42206**J*□3C5HA00
25.0	"	60.0	45.0	"	"	"	"	"	"	4.8	25.1	C42256**J*□3C5HA00
12.0	57.0	45.0	25.0	52.5	10.2	"	23	24	200	19.9	6.0	C42126**M*□3C5DA00
15.0	"	"	"	"	"	"	"	"	"	15.9	7.5	C42156**M*□3C5DA00
20.0	"	43.5	29.5	"	"	"	"	"	"	11.9	10.0	C42206**M*K3C5DA00
20.0	"	"	"	"	20.3	"	"	"	"	"	"	C42206**M*K3C5HA00
20.0	"	45.0	30.0	"	10.2	"	"	"	"	"	"	C42206**M*K3C5DA00
20.0	"	"	"	"	20.3	"	"	"	"	"	"	C42206**M*J3C5HA00
25.0	"	50.0	35.0	"	"	"	"	"	"	9.6	12.6	C42256**M*□3C5HA00
30.0	"	55.0	45.0	"	"	"	"	"	"	8.0	15.1	C42306**M*□3C5HA00
35.0	"	"	"	"	"	"	"	"	"	6.8	17.6	C42356**M*□3C5HA00
40.0	"	65.0	"	"	"	"	"	"	"	6.0	20.1	C42406**M*□3C5HA00
45.0	"	"	"	"	"	"	"	"	"	5.3	22.6	C42456**M*□3C5HA00

◆ 备注：特殊需要可根据客户要求另行设计

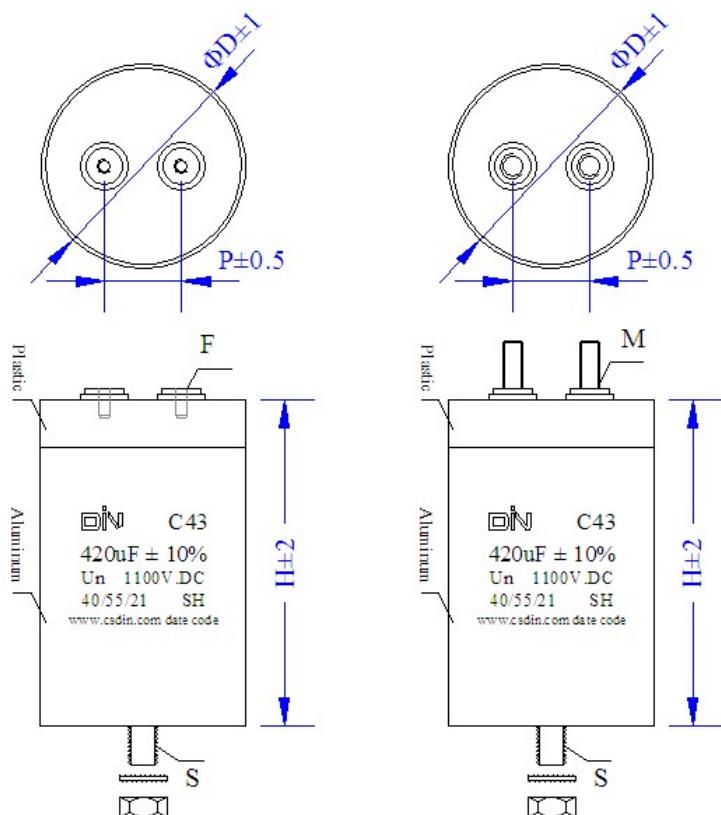
◆ Note: Special requirements can be designed according to customer requirements

◆ 1.“**”、“*”表示内部特征码；“**”、“*”=Internal use

◆ 2.“□”表示容量偏差；“□”=Capacitance tolerance

C43 系列 SERIES

■ 外形图 Outline Drawing



Case (D)	Out put			Stud mounting
	M	F	P(mm)	
76、86	M8×20	M6×10	32.0	M12×16
96~136	M8×20	M6×10	50.0	M12×16

■ 特点

- 金属铝外壳，阻燃（UL94V-0 级）环氧封装
- 金属化聚丙烯薄膜无感式卷绕
- 等效串联电阻小，自感小
- 高频损耗小、高稳定性

■ Features

- Aluminum case with resin sealing. Flame retardant execution (UL94V-0)
- Non-inductive winding with metallized polypropylene film
- Low ESR&Low ESL
- High frequency and low dissipation factor, high stability

■ 主要用途

- 风能发电、太阳能发电用变频器
- 交通工具，如：电动车和混合动力车
- 焊接设备，电梯，电机驱动

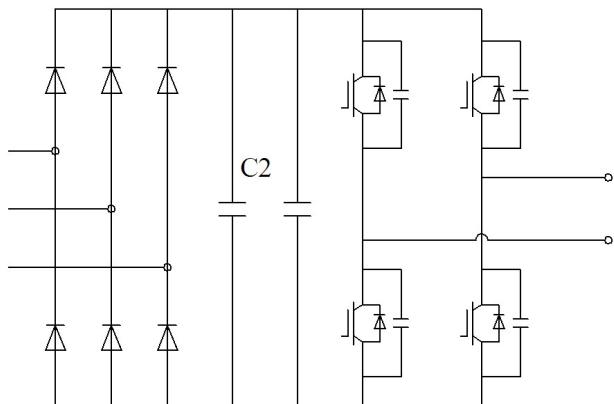
■ Typical application

- Used in inverters of wind power and solar power
- Transportation: EV or HEV
- Welders, Elevators, Motor Driver systems

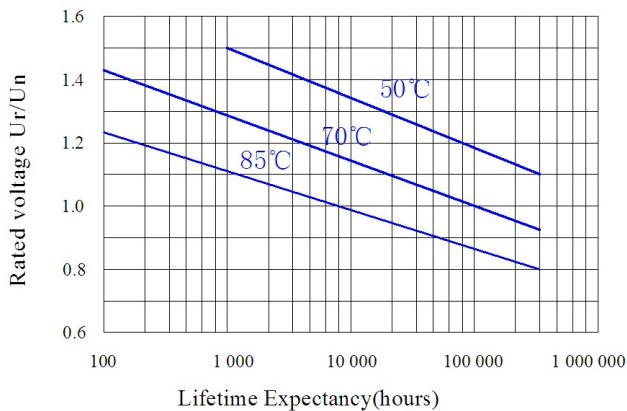
■ 技术参数 Technical Specifications

项目 Items	性能要求 Characteristics	
引用标准/Reference standards	GB/T 17702 IEC 61071	
容量范围/Capacitance	24μF ~ 5600μF	
额定电压/Rated Voltage	500V.DC ~ 1200V.DC	
容量偏差/Tolerance	±5% ±10%	
损耗角正切/Dissipation factor	$\operatorname{tg}\delta \leq 20 \times 10^{-4}$ at $25^{\circ}\text{C} \pm 5^{\circ}\text{C}, 100\text{Hz}$	
绝缘电阻/Insulation resistance	$\text{C} \cdot \text{R} \geq 5000\text{S}$, at 100V.DC, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}, 60\text{s}$	
工作温度范围/Operating temperature range	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$	
极间耐电压/Test voltage between terminals	1.5Un (10S, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$)	
极壳耐电压/Test voltage between terminals and case	Un < 1500V.DC, 3000V.AC(10S, 50/60Hz, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$) Un ≥ 1500V.DC, ($\sqrt{2}$ Un + 1000)V.AC(10S, 50/60Hz, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$)	
过电压/Over voltage	1.1 Un	30% of the service period
	1.15 Un	30 min/day
	1.2 Un	5 min/day
	1.3 Un	1 min/day
	1.5 Un	100ms no more than 1000 times
最高使用海拔/Max Altitude	2000m	
预期寿命/Expected lifetime	100 000hrs @ Un, $\theta_{hs}=70^{\circ}\text{C}$	
失效率/Failure rate	100FIT	

■ 典型线路/Typical circuit



■ 预期寿命曲线/ Expected lifetime curve



■ 产品编码说明/Part number code system

▲ 18位产品代码如下:

▲ The 18 digits part number is formed as follow:

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

1~3位: 型号代码

Digit 1~3: Series code

4~6位: 标称容量

Digit 4~6: Rated capacitance value

如: 104=10×10⁴PF=0.1uF

Example: 104=10×10⁴PF=0.1uF

7~10位: 内部特征码

Digit 7~10: Internal use

11位: 容量偏差

Digit 11: Capacitance tolerance

J=±5%、K=±10%、M=±20%

J=±5%、K=±10%、M=±20%

12~13位: 额定电压

Digit 12~13: Rated voltage

24=600V、26=700V、28=800V

24=600V、26=700V、28=800V

20=900V、3A=1000V、3B=1100V

20=900V、3A=1000V、3B=1100V

3C=1200V、3E=1300V、3F=1400V

3C=1200V、3E=1300V、3F=1400V

3G=1500V、3K=2000V、3L=2200V

3G=1500V、3K=2000V、3L=2200V

3M=2400V、3O=2600V、3Q=2800V

3M=2400V、3O=2600V、3Q=2800V

3S=3000V、3T=3200V、3V=3600V

3S=3000V、3T=3200V、3V=3600V

3M=4000V

3M=4000V

14~17位: 外形尺寸代码

Digit 14~17: Dimension code

14位 Digit 14		15位 Digit 15		16位 Digit 16		17位 Digit 17	
代码 Code	直径 Diameter	代码 Code	高度 Height	代码 Code	脚距 Pitch	代码 Code	引出端规格 Specifications of terminals
7	76	A	95	I	32.0 mm	B	螺母M6*15*10
8	86	B	120	L	45.0 mm	C	螺母M8*15*10
9	96	C	136	M	50.0 mm	E	螺杆M6*15*20
A	100	D	140			F	螺杆M8*15*20
B	116	E	155				
C	136	F	175				
		G	230				
		H	265				
		I	295				

18位: 安装形式

Digit 18: Fix style

F=平底 S=M12*16 螺杆 T=M16*25 螺杆

F=Flat S=M12*16Male T=M16*25Male

■ 标准品一览表 Standard size

静电容量 Cap(uF)	Outline size (mm)		ESR @1kHz (mΩ)	Ls (nH)	R _{th} (K/W)	I _{max} (A)	Imax (A)			Weight (kg)	Part number
	ΦD	H					40°C	50°C	60°C		
Un: 600V.DC											
480	76	95	1.5	45	5.6	1560	70	65	55	0.60	C43487****□247A-*○
650	"	120	1.9	50	4.7	1560	"	63	53	0.70	C43657****□247A-*○
780	"	140	2.2	55	4.6	1550	67	59	50	0.75	C43787****□247A-*○
820	"	155	1.5	40	4.3	3060	70	70	62	0.90	C43827****□247A-*○
950	"	175	1.5	45	4.2	3090	"	"	63	1.00	C43957****□247A-*○
650	86	95	1.2	"	5.1	2120	"	"	64	0.72	C43657****□248A-*○
880	"	120	1.5	50	4.7	2110	"	"	60	1.00	C43887****□248B-*○
1000	"	136	1.8	55	4.6	2070	"	65	55	1.10	C43108****□248C-*○
1100	"	140	1.7	"	4.6	2180	"	67	57	1.15	C43118****□248D-*○
1100	"	155	1.4	40	4.4	4110	"	70	64	1.25	C43118****□248E-*○
1300	"	175	1.4	45	4.3	4230	"	"	64	1.30	C43138****□248F-*○
2000	"	265	1.1	55	3.0	6510	"	"	70	1.80	C43208****□248H-*○
900	100	95	1.3	45	4.7	2900	"	"	58	1.20	C43907****□24AA-*○
1200	"	120	1.4	50	4.1	2850	"	"	"	1.48	C43128****□24AB-*○
1400	"	136	1.5	55	3.9	2870	"	"	"	1.66	C43148****□24AC-*○
1500	"	140	1.6	"	3.8	2740	"	"	"	1.72	C43158****□24AD-*○
1600	"	155	1.0	40	3.5	5920	"	"	70	1.99	C43168****□24AE-*○
1800	"	175	1.0	45	3.2	5800	"	"	"	2.28	C43188****□24AF-*○
1200	116	95	0.7	"	5.4	3900	80	80	80	1.20	C43128****□24BA-*○
1600	"	120	1.0	50	5.0	3830	"	"	70	1.50	C43168****□24BB-*○
2000	"	140	1.1	55	4.9	3960	"	"	67	1.75	C43208****□24BD-*○
2100	"	155	0.8	40	3.6	7840	100	100	92	2.00	C43218****□24BE-*○
2400	"	175	0.9	45	3.4	7810	"	"	90	2.20	C43248****□24BF-*○
3000	"	230	0.8	50	2.7	11200	"	"	100	2.80	C43308****□24BG-*○
5600	136	295	"	60	2.0	15940	"	"	"	4.90	C43568****□24BI-*○
Un: 700V.DC											
360	76	95	1.6	45	5.6	1560	70	63	53	0.60	C43367****□267A-*○
480	"	120	2.1	50	4.7	1530	68	60	50	0.70	C43487****□267B-*○
580	"	140	2.4	55	4.6	1530	64	56	48	0.75	C43587****□267D-*○
620	"	155	1.5	40	4.3	3090	70	70	62	0.90	C43627****□267E-*○
720	"	175	1.6	45	4.2	3120	"	"	61	1.00	C43727****□267F-*○
480	86	95	1.3	"	5.1	2080	"	"	"	0.72	C43487****□268A-*○
650	"	120	1.7	50	4.7	2080	"	66	56	1.00	C43657****□268B-*○
750	"	136	2.0	55	4.6	2070	"	62	52	1.10	C43757****□268C-*○
780	"	140	1.9	"	4.6	2060	"	63	53	1.15	C43787****□268D-*○
820	"	155	1.4	40	4.4	4080	"	70	64	1.25	C43827****□268E-*○

◆ 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

静电容量 Cap(uF)	Outline size (mm)		ESR @1kHz (mΩ)	Ls (nH)	R _{th} (K/W)	I _{max} (A)	Imax (A)			Weight (kg)	Part number
	ΦD	H					40°C	50°C	60°C		
Un: 700V.DC											
950	86	175	1.5	45	4.3	4120	70	70	62	1.30	C43957****□268F-*○
1500	"	265	1.1	55	3.0	6500	"	"	70	1.80	C43158****□268H-*○
650	100	95	1.4	45	4.7	2710	"	69	56	1.20	C43657****□26AA-*○
900	"	120	1.5	50	4.1	2760	"	"	"	1.47	C43907****□26AB-*○
1000	"	136	1.7	55	3.9	2650	"	67	55	1.67	C43108****□26AC-*○
1100	"	140	1.7	"	3.8	2790	"	68	56	1.69	C43118****□26AD-*○
1100	"	155	1.0	40	3.5	5260	"	70	70	2.01	C43118****□26AE-*○
1300	"	175	1.1	45	3.2	5420	"	"	"	2.28	C43138****□26AF-*○
920	116	95	0.7	45	5.4	3990	80	80	80	1.20	C43927****□26BA-*○
1200	"	120	1.0	50	5.0	3830	"	"	70	1.50	C43128****□26BB-*○
1500	"	140	1.1	55	4.9	3950	"	"	68	1.75	C43158****□26BD-*○
1500	"	155	0.8	40	3.6	7460	100	100	93	2.00	C43158****□26BE-*○
1800	"	175	1.0	45	3.4	7800	"	"	85	2.20	C43188****□26BF-*○
2300	"	230	0.8	50	2.7	11440	"	"	100	2.80	C43238****□26BG-*○
4200	136	295	0.8	60	2.0	15920	"	"	"	4.90	C43428****□26CI-*○
Un: 800V.DC											
290	76	95	1.7	45	5.6	1530	69	61	51	0.60	C43297****□287A-*○
400	"	120	2.2	50	4.7	1530	66	58	49	0.70	C43407****□287B-*○
480	"	140	2.5	55	4.6	1560	63	55	47	0.75	C43487****□287D-*○
480	"	155	1.6	40	4.3	1540	70	70	60	0.90	C43487****□287E-*○
560	86	175	1.7	45	4.2	2910	"	"	59	1.00	C43567****□288F-*○
380	"	95	1.4	"	5.1	2960	"	"	"	0.72	C43387****□288A-*○
520	"	120	1.8	50	4.7	2010	"	64	54	1.00	C43527****□288B-*○
580	"	136	2.0	55	4.6	2020	"	62	52	1.10	C43587****□288C-*○
630	"	140	2.1	"	"	1950	68	60	51	1.15	C43637****□288D-*○
650	"	155	1.5	40	4.4	2030	70	70	62	1.25	C43657****□288E-*○
750	"	175	1.6	45	4.3	3940	"	"	60	1.30	C43757****□288F-*○
1100	"	265	1.2	55	3.0	3960	"	"	70	1.80	C43118****□288H-*○
500	100	95	1.4	45	4.7	2620	"	67	55	1.20	C43507****□28AA-*○
700	"	120	1.6	50	4.1	2700	"	"	"	1.47	C43707****□28AB-*○
800	"	136	1.8	55	3.9	2660	"	66	54	1.65	C43807****□28AC-*○
850	"	140	"	"	3.8	2700	"	"	"	1.68	C43857****□28AD-*○
900	"	155	1.1	40	3.5	5400	"	70	70	1.98	C43907****□28AE-*○
1000	"	175	"	45	3.2	5230	"	"	"	2.28	C43108****□28AF-*○
720	116	95	0.8	"	5.4	3800	80	80	76	1.20	C43727****□28BA-*○
980	"	120	1.1	50	5.0	3810	"	79	67	1.50	C43987****□28BB-*○
1200	"	140	1.2	55	4.9	3860	"	77	65	1.75	C43128****□28BD-*○
1200	"	155	0.85	40	3.6	7280	100	100	90	2.00	C43128****□28BE-*○
1500	"	175	1.0	45	3.4	7920	"	"	85	2.20	C43158****□28BF-*○
1800	"	230	0.8	50	2.7	10910	"	"	100	2.80	C43188****□28BG-*○
3200	136	295	"	60	2.0	14780	"	"	"	4.90	C43328****□28BI-*○

◆ 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

静电容量 Cap(uF)	Outline size (mm)		ESR @1kHz (mΩ)	Ls (nH)	R _{th} (K/W)	I _{max} (A)	Imax (A)			Weight (kg)	Part number
	ΦD	H					40°C	50°C	60°C		
Un: 900V.DC											
290	76	95	2.0	45	5.6	1530	63	56	47	0.60	C43297****□207A-*○
400	"	120	2.6	50	4.7	1560	61	54	45	0.70	C43407****□207B-*○
480	"	140	2.9	55	4.6	1540	58	51	43	0.75	C43487****□207D-*○
480	"	155	1.7	40	4.3	2910	70	69	58	0.90	C43487****□207E-*○
560	"	175	1.8	45	4.2	2960	"	68	58	1.00	C43567****□207F-*○
380	86	95	1.6	"	5.1	2010	"	65	55	0.72	C43387****□208A-*○
520	"	120	2.1	50	4.7	2020	68	60	50	1.00	C43527****□208B-*○
580	"	136	2.2	55	4.6	1950	67	59	50	1.10	C43587****□208C-*○
630	"	140	2.4	"	4.6	2030	64	56	48	1.15	C43637****□208D-*○
650	"	155	1.5	40	4.4	3940	70	70	62	1.25	C43657****□208E-*○
750	"	175	1.6	45	4.3	3960	"	"	60	1.30	C43757****□208F-*○
1100	"	265	1.3	55	3.0	5810	"	"	70	1.80	C43118****□208H-*○
500	100	95	1.4	45	4.7	2620	"	67	55	1.20	C43507****□20AA-*○
700	"	120	1.6	50	4.1	2700	"	67	55	1.47	C43707****□20AB-*○
800	"	136	1.8	55	3.9	2660	"	66	54	1.65	C43807****□20AC-*○
850	"	140	1.8	"	3.8	2700	"	"	"	1.68	C43857****□20AD-*○
900	"	155	1.1	40	3.5	5400	"	70	70	1.98	C43907****□20AE-*○
1000	"	175	1.1	45	3.2	5230	"	"	"	2.28	C43108****□20AF-*○
720	116	95	0.9	"	5.4	3800	80	80	71	1.20	C43727****□20BA-*○
980	"	120	1.2	50	5.0	3810	"	76	64	1.50	C43987****□20BB-*○
1200	"	140	1.4	55	4.9	3860	"	71	60	1.75	C43128****□20BD-*○
1200	"	155	0.9	40	3.6	7280	100	100	87	2.00	C43128****□20BE-*○
1500	"	175	1.1	45	3.4	7920	"	96	81	2.20	C43158****□20BF-*○
1800	"	230	0.8	50	2.7	10910	"	100	100	2.80	C43188****□20BG-*○
3200	136	295	0.8	60	2.0	14780	"	"	"	4.90	C43328****□20CI-*○
Un: 1000V.DC											
220	76	95	2.2	45	5.6	1460	60	53	45	0.60	C43227****□3A7A-*○
300	"	120	2.9	50	4.7	1460	57	51	43	0.70	C43307****□3A7B-*○
360	"	140	3.3	55	4.6	1450	54	48	41	0.75	C43367****□3A7D-*○
360	"	155	1.9	40	4.3	2740	70	65	55	0.90	C43367****□3A7E-*○
420	"	175	2.0	45	4.2	2780	"	"	"	1.00	C43427****□3A7F-*○
290	86	95	1.8	"	5.1	1920	"	62	52	0.72	C43297****□3A8A-*○
400	"	120	2.3	50	4.7	1950	65	57	48	1.00	C43407****□3A8B-*○
470	"	136	2.2	55	4.6	1980	67	59	50	1.10	C43477****□3A8C-*○
480	"	140	2.6	"	4.6	1930	61	54	46	1.15	C43487****□3A8D-*○
500	"	155	1.6	40	4.4	3800	70	70	60	1.25	C43507****□3A8E-*○
560	"	175	1.7	45	4.3	3710	"	69	58	1.30	C43567****□3A8F-*○
900	"	265	1.3	55	3.0	5960	"	70	70	1.80	C43907****□3A8H-*○
380	100	95	1.5	45	4.7	2490	"	65	53	1.18	C43387****□3AAA-*○
500	"	120	1.8	50	4.1	2410	"	64	52	1.47	C43507****□3AAB-*○
600	"	136	1.9	55	3.9	2500	"	63	"	1.63	C43607****□3AAC-*○

◆ 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

静电容量 Cap(uF)	Outline size (mm)		ESR @1kHz (mΩ)	Ls (nH)	R _{th} (K/W)	I _{max} (A)	I _{max} (A)			Weight (kg)	Part number
	ΦD	H					40°C	50°C	60°C		
Un: 1000V.DC											
650	100	140	1.9	55	3.8	2590	70	64	52	1.66	C43657****□3AAD-*○
650	"	155	1.1	40	3.5	4890	"	70	70	1.97	C43657****□3AAE-*○
780	"	175	"	45	3.2	5110	"	"	70	2.24	C43787****□3AAF-*○
540	116	95	1.0	"	5.4	3570	80	80	68	1.2	C43547****□3ABA-*○
740	"	120	1.4	50	5.0	3610	"	70	59	1.5	C43747****□3ABB-*○
900	"	140	4.5	55	4.9	3620	78	69	58	1.75	C43547****□3ABD-*○
900	"	155	0.95	40	3.6	6840	100	100	85	2.00	C43907****□3ABE-*○
1100	"	175	1.2	45	3.4	7280	"	92	78	2.20	C43118****□3ABF-*○
1400	"	230	0.9	50	2.7	10630	"	100	100	2.80	C43148****□3ABG-*○
2500	136	295	0.9	60	2.0	14470	"	"	"	4.90	C43258****□3ABI-*○
Un: 1100V.DC											
180	76	95	2.3	45	5.6	1400	59	52	44	0.60	C43187****□3B7A-*○
250	"	120	3.0	50	4.7	1430	56	50	42	0.70	C43257****□3B7B-*○
300	"	140	3.5	55	4.6	1420	53	47	39	0.75	C43307****□3B7D-*○
310	"	155	1.9	40	4.3	2770	70	65	55	0.90	C43317****□3B7E-*○
360	"	175	2.0	45	4.	2800	"	"	"	1.00	C43367****□3B7F-*○
240	86	95	1.9	"	5.1	1870	68	60	51	0.72	C43247****□3B8A-*○
330	"	120	2.4	50	4.7	1890	63	56	47	1.00	C43337****□3B8B-*○
420	"	136	2.3	55	4.6	2080	65	58	49	1.10	C43427****□3B8C-*○
420	"	155	1.7	40	4.4	3750	70	63	52	1.25	C43427****□3B8E-*○
500	"	175	1.8	45	4.3	3730	"	67	57	1.30	C43507****□3B8F-*○
750	"	265	1.3	55	3.0	5840	"	70	70	1.80	C43757****□3B8H-*○
350	100	95	1.5	45	4.7	2640	"	65	53	1.19	C43357****□3BAA-*○
450	"	120	1.8	50	4.1	2500	"	63	51	1.49	C43457****□3BAB-*○
520	"	136	2.0	55	3.9	2500	"	62	50	1.67	C43527****□3BAC-*○
550	"	140	2.1	"	3.8	2650	"	62	51	1.71	C43557****□3BAD-*○
580	"	155	1.1	40	3.5	5020	"	70	70	2.00	C43587****□3BAE-*○
650	"	175	1.2	45	3.2	4900	"	"	"	2.30	C43657****□3BAF-*○
450	116	95	1.0	"	5.4	3500	80	80	68	1.20	C43457****□3BBA-*○
620	"	120	1.4	50	5.0	3550	"	70	59	1.50	C43627****□3BBB-*○
750	"	140	1.6	55	4.9	3550	75	66	56	1.75	C43757****□3BBD-*○
780	"	158	0.9	40	3.6	6960	100	100	85	2.00	C43787****□3BBE-*○
920	"	175	1.1	45	3.4	7150	"	96	81	2.20	C43927****□3BBF-*○
1200	"	230	0.9	50	2.7	10710	"	100	100	2.80	C43128****□3BBG-*○
2200	136	295	0.9	60	2.0	14960	"	"	"	4.90	C43228****□3BCI-*○

◆ 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

静电容量 Cap(uF)	Outline size (mm)		ESR @1kHz (mΩ)	Ls (nH)	R _{th} (K/W)	I _{max} (A)	I _{max} (A)			Weight (kg)	Part number
	ΦD	H					40°C	50°C	60°C		
Un: 1200V.DC											
140	76	95	2.7	45	5.6	1330	55	48	41	0.60	C43147****□3C7A-*○
200	"	120	3.4	50	4.7	1400	53	47	40	0.70	C43207****□3C7B-*○
240	"	140	3.9	55	4.6	1380	50	44	37	0.75	C43247****□3C7D-*○
240	"	155	2.0	40	4.3	2630	70	64	54	0.90	C43247****□3C7E-*○
280	"	175	2.1	45	4.2	2670	"	63	53	1.00	C43287****□3C7F-*○
190	86	95	2.1	45	5.1	1810	65	57	48	0.72	C43197****□3C8A-*○
260	"	120	2.7	50	4.7	1810	60	53	44	1.00	C43267****□3C8B-*○
320	"	136	2.5	55	4.6	1930	63	55	47	1.10	C43327****□3C8C-*○
330	"	140	3.0	55	4.6	1900	57	50	43	1.15	C43337****□3C8D-*○
330	"	155	1.8	40	4.4	3610	70	66	56	1.25	C43337****□3C8E-*○
380	"	175	1.9	45	4.3	3610	"	65	55	1.30	C43387****□3C8F-*○
580	"	265	1.5	55	3.0	5520	"	70	70	1.80	C43587****□3C8H-*○
250	100	95	1.7	45	4.7	2320	"	61	50	1.19	C43257****□3CAA-*○
350	"	120	2.0	50	4.1	2390	"	"	"	1.45	C43357****□3CAB-*○
400	"	136	2.2	55	3.9	2360	69	59	49	1.63	C43407****□3CAC-*○
420	"	140	2.2	55	3.8	2370	"	"	"	1.67	C43427****□3CAD-*○
450	"	155	1.2	40	3.5	4790	70	70	70	1.96	C43457****□3CAE-*○
500	"	175	1.2	45	3.2	4640	"	"	"	2.26	C43507****□3CAF-*○
360	116	95	1.1	45	5.4	3420	80	76	64	1.20	C43367****□3CBA-*○
500	"	120	1.6	50	5.0	3490	75	66	55	1.50	C43507****□3CBB-*○
600	"	140	1.8	55	4.9	3450	71	63	53	1.75	C43607****□3CBD-*○
620	"	155	1.0	40	3.6	6780	100	98	83	2.00	C43627****□3CBE-*○
720	"	175	1.2	45	3.4	6740	"	92	78	2.20	C43727****□3CBF-*○
950	"	230	0.9	50	2.7	10210	"	100	100	2.80	C43957****□3CBG-*○
1700	136	295	0.9	60	2.0	13920	"	"	"	4.90	C43178****□3CBI-*○
Un: 1300V.DC											
120	76	95	2.9	45	5.6	1310	53	46	39	0.60	C43127****□3E7A-*○
170	"	120	3.7	50	4.7	1360	51	45	38	0.70	C43177****□3E7B-*○
210	"	140	4.1	55	4.6	1390	49	43	36	0.75	C43217****□3E7D-*○
210	"	155	2.1	40	4.3	2640	70	62	53	0.90	C43217****□3E7E-*○
240	"	175	2.3	45	4.2	2620	68	60	51	1.00	C43247****□3E7F-*○
170	86	95	2.2	45	5.1	1850	63	56	47	0.72	C43177****□3E8A-*○
230	"	120	2.8	50	4.7	1840	58	52	44	1.00	C43237****□3E8B-*○
270	"	136	2.8	55	4.6	1860	59	"	44	1.10	C43277****□3E8C-*○
270	"	140	3.3	55	4.6	1780	54	48	41	1.15	C43277****□3E8D-*○

◆ 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

静电容量 Cap(uF)	Outline size (mm)		ESR @1kHz (mΩ)	Ls (nH)	R _{th} (K/W)	I _{max} (A)	Imax (A)			Weight (kg)	Part number
	ΦD	H					40°C	50°C	60°C		
Un: 1300V.DC											
280	86	155	1.8	40	4.4	3510	70	66	56	1.25	C43287****□3E8E-*○
320	"	175	1.9	45	4.3	3490	"	65	55	1.30	C43327****□3E8F-*○
520	"	265	1.5	55	3.0	5670	"	70	67	1.80	C43527****□3E8H-*○
210	100	95	1.8	45	4.7	2270	69	60	49	1.19	C43217****□3EAA-*○
280	"	120	2.1	50	4.1	2230	67	58	48	1.47	C43287****□3EAB-*○
330	"	136	2.3	55	3.9	2270	66	57	47	1.64	C43337****□3EAC-*○
360	"	140	2.3	55	3.8	2370	67	58	47	1.67	C43367****□3EAD-*○
380	"	155	1.2	40	3.5	4720	70	70	69	1.96	C43387****□3EAE-*○
420	"	175	1.3	45	3.2	4540	"	"	70	2.26	C43427****□3EAF-*○
320	116	95	1.2	45	5.4	3490	80	73	62	1.20	C43327****□3EBA-*○
430	"	120	1.6	50	5.0	3440	75	66	55	1.50	C43437****□3EBB-*○
520	"	140	1.8	55	4.9	3430	71	63	53	1.75	C43527****□3EBD-*○
540	"	155	1.0	40	3.6	6770	100	98	83	2.00	C43547****□3EBE-*○
630	"	175	1.2	45	3.4	6760	"	92	78	2.20	C43637****□3EBF-*○
820	"	230	0.9	50	2.7	10100	"	100	100	2.80	C43827****□3EBG-*○
1500	136	295	1.0	60	2.0	14080	"	"	"	4.90	C43158****□3EBI-*○
Un: 1400V.DC											
100	76	95	3.1	45	5.6	1260	51	45	38	0.60	C43107****□3F7A-*○
140	"	120	4.0	50	4.7	1290	49	43	36	0.70	C43147****□3F7B-*○
170	"	140	4.6	55	4.6	1290	46	41	34	0.75	C43177****□3F7D-*○
170	"	155	2.3	40	4.3	2460	67	59	50	0.90	C43177****□3F7E-*○
200	"	175	2.4	45	4.2	2650	67	59	50	1.00	C43207****□3F7F-*○
140	86	95	2.4	45	5.1	1760	61	53	45	0.72	C43147****□3F8A-*○
190	"	120	3.1	50	4.7	1750	56	49	41	1.00	C43197****□3F8B-*○
230	"	136	2.9	55	4.6	1800	58	51	43	1.10	C43237****□3F8C-*○
240	"	155	1.9	40	4.4	3470	70	65	55	1.25	C43247****□3F8E-*○
270	"	175	2.1	45	4.3	3400	"	62	53	1.30	C43277****□3F8F-*○
420	"	265	1.5	55	3.0	5210	"	70	70	1.80	C43427****□3F8H-*○
180	100	95	1.8	45	4.7	2240	68	59	48	1.19	C43187****□3FAA-*○
250	"	120	2.2	50	4.1	2300	67	58	47	1.45	C43257****□3FAB-*○
290	"	136	2.4	55	3.9	2300	65	57	46	1.63	C43297****□3FAC-*○
320	"	155	1.2	40	3.5	4580	70	70	68	1.96	C43327****□3FAE-*○
360	"	175	1.3	45	3.2	4490	"	"	69	2.26	C43367****□3FAF-*○
260	116	95	1.3	45	5.4	3220	80	70	59	1.20	C43267****□3FBA-*○
360	"	120	1.8	50	5.0	3280	70	62	52	1.50	C43367****□3FBB-*○
450	"	140	2.0	55	4.9	3390	67	59	50	1.75	C43457****□3FBD-*○
460	"	155	1.1	40	3.6	6540	100	94	79	2.00	C43467****□3FBE-*○
540	"	175	1.3	45	3.4	6690	89	79	66	2.20	C43547****□3FBF-*○
700	"	230	0.9	50	2.7	9950	100	94	79	2.80	C43707****□3FBG-*○
1300	136	295	1.05	60	2.0	14080	"	100	97	4.90	C43138****□3FCI-*○

◆ 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

静电容量 Cap(uF)	Outline size (mm)		ESR @1kHz (mΩ)	Ls (nH)	Rth (K/W)	I (A)	Imax (A)			Weight (kg)	Part number
	ΦD	H					40°C	50°C	60°C		
Un: 1500V.DC											
90	76	95	3.3	45	5.6	1220	49	44	37	0.60	C43906****□3G7A-*○
120	"	120	4.4	50	4.7	1200	47	41	35	0.70	C43127****□3G7B-*○
150	"	140	4.9	55	4.6	1230	45	39	33	0.75	C43157****□3G7D-*○
150	"	155	2.4	40	4.3	2340	66	58	49	0.90	C43157****□3G7E-*○
170	"	175	2.5	45	4.2	2310	65	58	"	1.00	C43177****□3G7F-*○
120	86	95	2.6	"	5.1	1630	58	51	43	0.72	C43127****□3G8A-*○
170	"	120	3.3	50	4.7	1690	54	48	40	1.00	C43177****□3G8B-*○
200	"	136	3.0	55	4.6	1720	57	50	43	1.10	C43207****□3G8C-*○
210	"	155	2.0	40	4.4	3280	70	63	53	1.25	C43217****□3G8E-*○
240	"	175	2.1	45	4.3	3260	"	62	53	1.30	C43247****□3G8F-*○
380	"	265	1.5	55	3.0	5080	"	70	70	1.80	C43387****□3G8H-*○
160	100	95	1.9	45	4.7	2150	67	58	47	1.18	C43167****□3GAA-*○
210	"	120	2.3	50	4.1	2080	65	56	46	1.46	C43217****□3GAB-*○
250	"	136	2.5	55	3.9	2140	64	55	45	1.63	C43257****□3GAC-*○
280	"	155	1.3	40	3.5	4320	70	70	67	1.96	C43287****□3GAE-*○
320	"	175	1.3	45	3.2	4300	"	"	68	2.24	C43327****□3GAF-*○
230	116	95	1.4	"	5.4	3120	77	68	57	1.20	C43237****□3GBA-*○
320	"	120	1.9	50	5.0	3180	68	60	51	1.50	C43327****□3GBB-*○
390	"	140	2.1	55	4.9	3200	66	58	49	1.75	C43397****□3GBD-*○
420	"	155	1.1	40	3.6	6550	100	94	79	2.00	C43427****□3GBE-*○
470	"	175	1.3	45	3.4	6280	89	79	66	2.20	C43477****□3GBF-*○
600	"	230	1.0	50	2.7	9200	100	89	75	2.80	C43607****□3GBG-*○
1100	136	295	1.1	60	2.0	12850	"	100	95	4.90	C43118****□3GCI-*○
Un: 2000V.DC											
110	86	140	3.5	65	4.5	1830	48	42	35	1.05	C43117****□3K8D-*○
180	"	230	1.8	60	3.2	3660	78	69	58	1.65	C43187****□3K8G-*○
180	116	120	2.1	"	3.5	3660	70	61	52	1.60	C43187****□3KBB-*○
220	"	140	2.3	65	3.3	3660	68	60	51	1.85	C43227****□3KBD-*○
260	"	175	1.1	55	2.9	7360	100	93	79	2.30	C43267****□3KBF-*○
360	"	230	1.3	60	2.4	7360	"	"	"	2.85	C43367****□3KBG-*○
250	136	120	1.8	"	2.9	5090	78	67	55	2.15	C43257****□3KCB-*○
310	"	140	2.0	65	2.7	5150	77	66	54	2.45	C43317****□3KCD-*○
360	"	175	1.0	55	2.4	10200	100	99	81	3.15	C43367****□3KCF-*○
500	"	230	1.2	60	2.1	10100	"	98	80	3.90	C43507****□3KCG-*○
610	"	265	1.3	"	1.9	10100	"	"	"	4.50	C43617****□3KCH-*○

◆ 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

静电容量 Cap(uF)	Outline size (mm)		ESR @1kHz (mΩ)	Ls (nH)	R _{th} (K/W)	I _{max} (A)	I _{max} (A)			Weight (kg)	Part number
	ΦD	H					40°C	50°C	60°C		
Un: 2200V.DC											
90	86	140	3.7	65	4.5	1790	46	41	34	1.05	C43906****□3L8D-*○
150	"	230	1.9	60	3.2	3670	77	68	57	.65	C43157****□3L8G-*○
140	116	120	2.2	"	3.6	3420	67	59	50	1.60	C43147****□3LBB-*○
170	"	140	2.5	65	3.3	3390	66	58	49	1.85	C43177****□3LBD-*○
210	"	175	1.1	55	2.9	7150	100	91	77	2.30	C43217****□3LBF-*○
290	"	230	1.4	60	2.4	7100	"	91	"	2.90	C43297****□3LBG-*○
200	136	120	1.9	"	2.9	4890	76	66	54	2.15	C43207****□3LCB-*○
250	"	140	2.1	65	2.7	4990	75	65	53	2.45	C43257****□3LCD-*○
290	"	175	1.0	55	2.4	9870	100	97	79	3.15	C43297****□3LCF-*○
400	"	230	1.2	60	2.1	9790	"	96	"	3.90	C43407****□3LCG-*○
500	"	265	1.4	"	1.9	9990	"	97	"	4.50	C43507****□3LCH-*○
Un: 2400V.DC											
75	86	140	3.9	65	4.5	1770	45	40	33	1.05	C43756****□3M8D-*○
120	"	230	2.0	60	3.2	3470	75	65	55	1.65	C43127****□3M8G-*○
120	116	120	2.3	"	3.6	3470	66	58	49	1.60	C43127****□3MBD-*○
140	"	140	2.6	65	3.3	3310	64	56	47	1.85	C43147****□3MBF-*○
170	"	175	1.2	55	2.9	6840	100	89	75	2.30	C43177****□3MBG-*○
240	"	230	1.4	60	2.5	6940	"	"	"	2.85	C43247****□3MBG-*○
160	136	120	2.0	"	3.0	4630	73	63	52	2.20	C43167****□3MCB-*○
200	"	140	2.2	65	2.8	4720	72	"	51	2.50	C43207****□3MCD-*○
240	"	175	1.1	55	2.5	9660	100	95	78	3.15	C43247****□3MCF-*○
330	"	230	1.3	60	2.1	9550	"	94	77	3.90	C43337****□3MCG-*○
410	"	265	1.4	"	1.9	9690	"	95	"	4.50	C43417****□3MCH-*○
Un: 2600V.DC											
63	86	140	4.1	65	4.5	1730	43	38	32	1.05	C43636****□308D-*○
100	"	230	2.1	60	3.2	3370	72	63	53	1.65	C43107****□308G-*○
100	116	120	2.4	"	3.6	3370	64	57	48	1.60	C43107****□30BB-*○
120	"	140	2.7	65	3.3	3310	63	55	47	1.85	C43127****□30BD-*○
140	"	175	1.2	55	2.9	6570	98	87	73	2.30	C43147****□30BF-*○
200	"	230	1.5	60	2.5	6750	99	"	"	2.85	C43207****□30BG-*○
140	136	120	2.0	"	3.0	4730	73	63	51	2.15	C43147****□30CB-*○
170	"	140	2.3	65	2.8	4690	71	62	50	2.45	C43177****□30CD-*○
200	"	175	1.1	55	2.5	9390	100	94	76	3.15	C43207****□30CF-*○
280	"	230	1.3	60	2.1	9590	"	93	"	3.9	C43287****□30CG-*○
340	"	265	1.5	60	1.9	9380	"	92	"	4.50	C43347****□30CH-*○

◆ 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

静电容量 Cap(uF)	Outline size (mm)		ESR @1kHz (mΩ)	Ls (nH)	R _{th} (K/W)	I _{max} (A)	I _{max} (A)			Weight (kg)	Part number
	ΦD	H					40°C	50°C	60°C		
Un: 2800V.DC											
54	86	140	4.3	65	4.5	1710	42	37	32	1.05	C43546****□3Q8D-*○
88	"	230	2.2	60	3.2	3430	71	62	53	1.65	C43886****□3Q8G-*○
86	116	120	2.5	"	3.6	3350	63	56	47	1.60	C43866****□3QBB-*○
100	"	140	2.9	65	3.4	3180	61	53	45	1.85	C43107****□3QBD-*○
120	"	175	1.3	55	2.9	6500	97	85	72	2.30	C43127****□3QBF-*○
170	"	230	1.5	60	2.5	6620	96	85	"	2.85	C43177****□3QBG-*○
120	136	120	2.1	"	3.0	4680	71	62	51	2.15	C43127****□3QCB-*○
140	"	140	2.4	65	2.8	4450	69	59	49	2.50	C43147****□3QCD-*○
170	"	175	1.1	55	2.5	9210	100	92	75	3.15	C43177****□3QCF-*○
240	"	230	1.3	60	2.1	9350	"	"	"	3.90	C43247****□3QCG-*○
290	"	265	1.5	"	1.9	9230	"	91	74	4.50	C43297****□3QCH-*○
Un: 3000V.DC											
46	86	140	4.6	65	4.6	1570	41	36	30	1.05	C43466****□3S8D-*○
75	116	230	2.3	60	3.2	3150	69	61	51	1.65	C43756****□3SBG-*○
74	"	120	2.6	"	3.6	3110	62	54	46	1.60	C43746****□3SBB-*○
90	"	140	2.9	65	3.3	3090	60	53	45	1.80	C43906****□3SBD-*○
100	"	175	1.3	55	3.0	5840	94	83	70	2.35	C43107****□3SBF-*○
140	"	230	1.6	60	2.5	5880	93	82	69	2.90	C43147****□3SBG-*○
100	136	120	2.2	"	3.0	4200	69	60	49	2.15	C43107****□3SCB-*○
120	"	140	2.5	65	2.8	4120	67	58	47	2.50	C43127****□3SCD-*○
140	"	175	1.2	55	2.5	8180	100	89	73	3.15	C43147****□3SCF-*○
200	"	230	1.4	60	2.2	8400	"	"	"	3.90	C43227****□3SCG-*○
250	"	265	1.6	"	1.9	8580	"	"	"	4.50	C43257****□3SCH-*○
Un: 3200V.DC											
40	86	140	4.9	65	4.6	1470	40	35	30	1.05	C43406****□3T8D-*○
65	"	230	2.4	60	3.2	2930	67	59	50	1.65	C43656****□3T8G-*○
64	116	120	2.7	"	3.6	2880	60	53	45	1.60	C43646****□3TBB-*○
78	"	140	3.1	65	3.4	2870	59	52	44	1.80	C43786****□3TBD-*○
92	"	175	1.3	55	3.0	5760	94	83	70	2.30	C43926****□3TBF-*○
120	"	230	1.7	60	2.5	5410	91	80	68	2.90	C43127****□3TBG-*○
90	136	120	2.2	"	3.0	4050	69	59	49	2.15	C43906****□3TCB-*○
110	"	140	2.5	65	2.8	4050	67	58	47	2.45	C43117****□3TC-*○
120	"	175	1.2	55	2.6	7520	100	87	71	3.20	C43127****□3TCF-*○
180	"	230	1.4	60	2.2	8110	"	89	72	3.85	C43187****□3TCG-*○
220	"	265	1.6	"	1.9	8100	"	88	"	4.45	C43227****□3TCH-*○

◆ 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

静电容量 Cap(uF)	Outline size (mm)		ESR @1kHz (mΩ)	Ls (nH)	R _{th} (K/W)	I _{max} (A)	Imax (A)			Weight (kg)	Part number
	ΦD	H					40°C	50°C	60°C		
Un: 3600V.DC											
28	86	140	4.0	65	4.6	1650	43	38	32	1.10	C43286****□3V8D-*○
45	"	230	2.0	60	3.3	3290	72	64	54	1.70	C43456****□3V8G-*○
44	116	120	2.3	"	3.7	3220	64	57	48	1.65	C43446****□3VBB-*○
54	"	140	2.7	65	3.4	3190	63	55	47	1.90	C43546****□3VBD-*○
88	"	230	1.4	60	2.5	6440	98	87	73	3.00	C43886****□3VBG-*○
110	"	265	1.6	"	2.3	6510	97	85	72	3.45	C43117****□3VBH-*○
61	136	120	2.0	"	3.0	4460	72	63	51	2.25	C43616****□3VCB-*○
75	"	140	2.3	65	2.8	4440	71	61	50	2.55	C43756****□3VCD-*○
120	"	230	1.3	60	2.2	8780	100	92	75	4.05	C43127****□3VCG-*○
150	"	265	1.5	"	2.0	8880	100	92	75	4.70	C43157****□3VCH-*○
Un: 4000V.DC											
24	86	140	4.2	65	4.6	1650	42	37	32	1.10	C43246****□3W8D-*○
38	"	230	2.1	60	3.3	3230	70	62	53	1.70	C43386****□3W8G-*○
37	116	120	2.4	"	3.7	3140	63	55	47	1.65	C43376****□3WBB-*○
46	"	140	2.8	65	3.4	3160	61	54	46	1.90	C43466****□3WBD-*○
74	"	230	1.5	60	2.5	3290	96	85	72	3.00	C43746****□3WBG-*○
92	"	265	1.7	"	2.33	6330	94	83	70	3.45	C43926****□3WBH-*○
52	136	120	2.1	"	3.0	4420	71	62	50	2.25	C43526****□3WCB-*○
64	"	140	2.3	65	2.8	4400	69	60	49	2.55	C43646****□3WCD-*○
100	"	230	1.3	60	2.2	8500	100	90	73	4.05	C43107****□3WCG-*○
130	"	265	1.5	"	2.0	8940	"	91	37	4.65	C43137****□3WCH-*○

◆ 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

◆ 1.“****”表示内部特征码；“****”=Internal use

◆ 2. “□”表示容量偏差；“□”= Capacitance tolerance

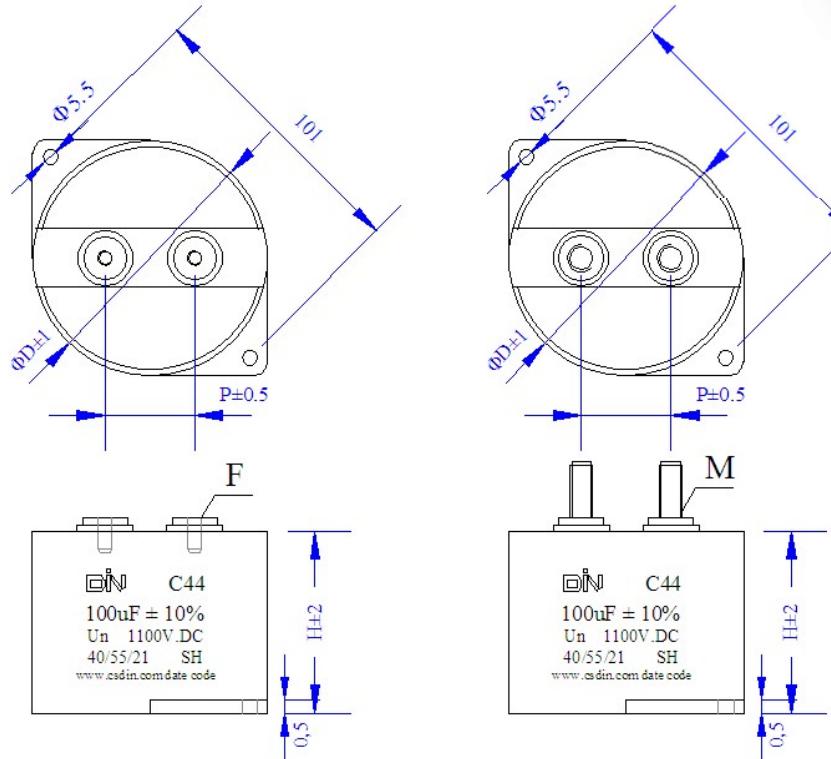
◆ 3. “—”表示脚距；“—”= Pitch

◆ 4. “*”表示引出端型体；“*”= Specifications of terminals

◆ 5. “○”表示安装形式；“○”= Fix style

C44 系列 SERIES

■ 外形图 Outline Drawing



■ 特点

- 应用于直流滤波电路中，可替代电解电容器
- 塑料外壳封装，阻燃（UL 94V-0 级）树脂灌封
- 等效串联电阻小，自感小
- 能承受较大的纹波电流

■ Features

- Used in DC-Link circuits, can replace electrolytic capacitor
- Plastic case, epoxy resin sealing (UL 94V-0)
- Low ESR&Low ESL
- High ripple current handling capabilities

■ 主要用途

- 风能发电、太阳能发电用变频器
- 焊接设备，电梯，电机驱动

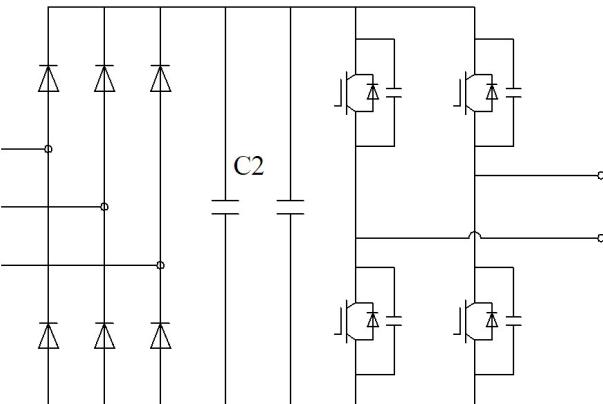
■ Typical application

- Used in inverters of wind power and solar power
- Welders, Elevators, Motor Driver systems

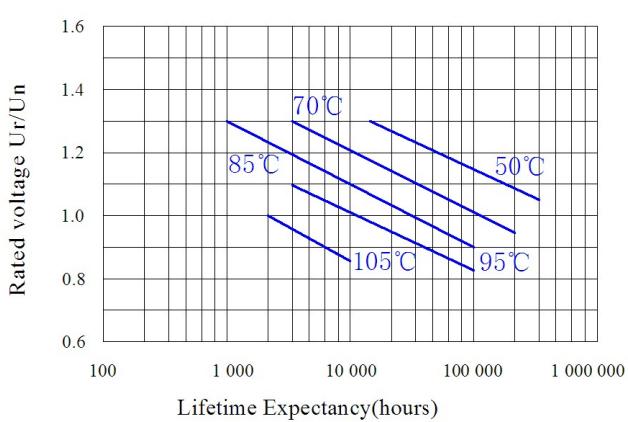
■ 技术参数 Technical Specifications

项目 Items	性能要求 Characteristics	
引用标准/Reference standards	GB/T 17702 IEC 61071	
容量范围/Capacitance	35μF ~600μF	
额定电压/Rated Voltage	600V.DC~1500V.DC	
容量偏差/Tolerance	±5% ±10%	
损耗角正切/Dissipation factor	$\operatorname{tg}\delta \leq 20 \times 10^{-4}$ at $25^{\circ}\text{C} \pm 5^{\circ}\text{C}, 100\text{Hz}$	
绝缘电阻/Insulation resistance	$C \cdot R \geq 5000\Omega \cdot \text{s}$, at 100V.DC, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$, 60s	
工作温度范围/Operating temperature range	-40°C ~ 85°C	
极间耐电压/Test voltage between terminals	1.5Un (10S, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$)	
极壳耐电压/Test voltage between terminals and case	3000V.AC(10S, 50/60Hz, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$)	
过电压/Over voltage	1.1 Un	30% of the service period
	1.15 Un	30 min/day
	1.2 Un	5 min/day
	1.3 Un	1 min/day
	1.5 Un	100ms no more than 1000 times
最大安装扭矩/Max. Torque of Installation	3.0Nm	
最大电极扭矩/Max. Torque of terminals	M5:2.5Nm	M8:6.0Nm
最高使用海拔/Max Altitude	2000m	
预期寿命/Expected lifetime	参考预期寿命曲线 Refer to Expected lifetime curve	
失效率/Failure rate	100FIT	

■ 典型线路/Typical circuit



■ 预期寿命曲线/ Expected lifetime curve



■ 产品编码说明/Part number code system

▲ 18位产品代码如下:

▲ The 18 digits part number is formed as follow:

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

1~3位: 型号代码

Digit 1~3: Series code

4~6位: 标称容量

Digit 4~6: Rated capacitance value

如: 104=10×10⁴PF=0.1uF

Example: 104=10×10⁴PF=0.1uF

7~10位: 内部特征码

Digit 7~10: Internal use

11位: 容量偏差

Digit 11: Capacitance tolerance

J=±5%、K=±10%、M=±20%

J=±5%、K=±10%、M=±20%

12~13位: 额定电压

Digit 12~13: Rated voltage

24=600V、28=800V、20=900V

24=600V、28=800V、20=900V

3B=1100V、3E=1300V、3F=1400V

3B=1100V、3E=1300V、3F=1400V

3G=1500V

3G=1500V

14~17位: 外形尺寸代码

Digit 14~17: Dimension code

14位 Digit 14		15位 Digit 15		16位 Digit 16		17位 Digit 17	
代码 Code	直径 Diameter	代码 Code	高度 Height	代码 Code	脚距 Pitch	代码 Code	引出端规格 Specifications of terminals
8	85	1	40	L	45.0 mm	B	螺母M6*15*10
B	115	2	50	6	60.0 mm	C	螺母M8*15*10
		3	65			E	螺杆M6*15*20
		4	76			F	螺杆M8*15*20

18位: 安装形式

Digit 18: Fix style

E=下双耳

E=Double mounting ears in the bottom of the case

■ 标准品一览表 Standard size

静电容量 Cap(uF)	Outline size (mm)		ESR @10kHz (mΩ)	Ls (nH)	R _{th} (K/W)	I _{max} (A)	Imax (A)		Weight (kg)	Part number
	ΦD	H					55°C	65°C		
Un: 600V.DC										
170	85.0	40	0.8	25	6.8	2051	74	60	≈0.35	C44177****□2484L*E
260	“	50	0.9	32	5.3	2193	79	64	≈0.40	C44267****□2485L*E
380	“	65	1.0	40	5.0	2135	77	63	≈0.48	C44387****□2486L*E
600	115.0	“	1.1	“	3.4	3791	89	73	≈0.90	C44607****□24B66*E
Un: 800V.DC										
100	85.0	40	0.9	25	6.8	2074	70	57	≈0.35	C44107****□2884L*E
150	“	50	1.0	32	5.3	2174	75	61	≈0.40	C44157****□2885L*E
220	“	65	1.1	40	5.0	2123	73	60	≈0.48	C44227****□2886L*E
350	115.0	“	1.3	40	3.4	3798	82	67	≈0.90	C44357****□28B66*E
Un: 900V.DC										
100	85.0	40	0.9	25	6.8	2074	70	57	≈0.35	C44107****□2084L*E
150	“	50	1.0	32	5.3	2174	75	61	≈0.40	C44157****□2085L*E
220	“	65	1.1	40	5.0	2123	73	60	≈0.48	C44227****□2086L*E
350	115.0	“	1.3	“	3.4	3798	82	67	≈0.90	C44357****□20B66*E
Un: 1100V.DC										
66	85.0	40	1.2	25	6.8	1828	60	49	≈0.35	C44666****□3B84L*E
100	“	50	1.3	32	5.3	1936	66	53	≈0.40	C44107****□3B85L*E
140	“	65	1.5	40	5.0	1805	63	51	≈0.48	C44147****□3B86L*E
190	“	76	1.7	45	4.6	2003	61	50	≈0.55	C44197****□3B87L*E
150	“	“	1.5	“	4.6	1861	65	53	≈0.55	C44157****□3B87L*E
230	115.0	65	1.4	40	3.4	3333	79	64	≈0.90	C44237****□3BB66*E

◆ 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

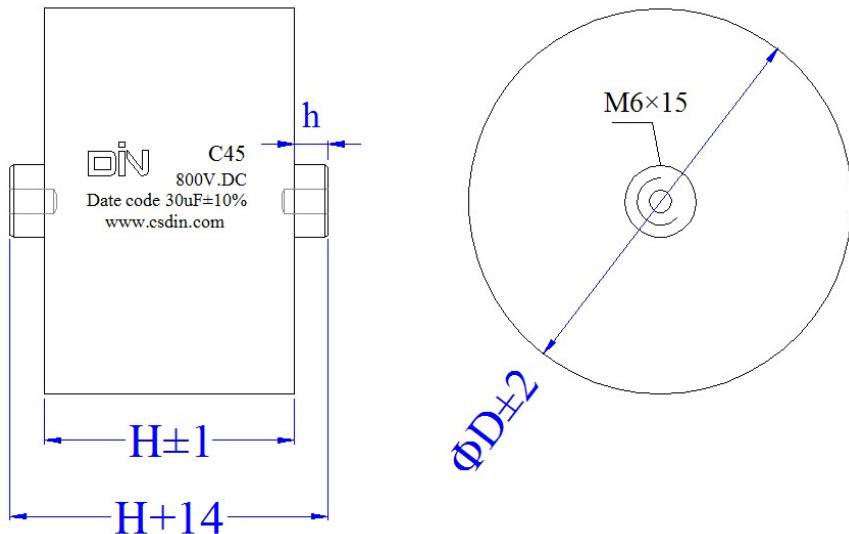
■ 标准品一览表 Standard size

静电容量 Cap(uF)	Outline size (mm)		ESR @1kHz (mΩ)	Ls (nH)	R _{th} (K/W)	I _{max} (A)	Imax (A)		Weight (kg)	Part number
	ΦD	H					55°C	65°C		
Un: 1300V.DC										
47	85.0	40	1.3	25	6.8	1780	58	47	≈0.35	C44476****□3E84L*E
70	“	50	1.4	32	5.3	1853	63	51	≈0.40	C44706****□3E85L*E
100	“	65	1.8	40	5.0	1763	57	47	≈0.48	C44107****□3E86L*E
130	“	76	1.9	45	4.6	1874	58	“	≈0.55	C44137****□3E87L*E
160	115.0	65	1.6	40	3.4	3170	74	60	≈0.90	C44167****□3EB76*E
Un: 1400V.DC										
40	85.0	40	1.3	25	6.8	1742	58	47	≈0.35	C44406****□3F84L*E
56	“	50	1.5	32	5.3	1735	61	50	≈0.40	C44566****□3F85L*E
86	“	65	1.8	40	5.0	1743	57	47	≈0.48	C44866****□3F86L*E
110	“	76	1.9	45	4.6	1823	58	“	≈0.55	C44117****□3F87L*E
130	115.0	65	1.7	40	3.4	2961	72	58	≈0.90	C44137****□3FB66*E
Un: 1500V.DC										
35	85.0	40	1.4	25	6.8	1198	56	45	≈0.35	C44356****□3G84L*E
50	“	50	1.6	32	5.3	1636	59	48	≈0.40	C44506****□3G85L*E
76	“	65	1.9	40	5.0	1656	56	45	≈0.48	C44766****□3G86L*E
95	“	76	2.1	45	4.6	1692	55	“	≈0.55	C44956****□3G87L*E
110	115.0	65	1.8	40	3.4	2693	70	57	≈0.90	C44117****□3GB66*E

- ◆ 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
- ◆ 1.“****”表示内部特征码；“****”=Internal use
- ◆ 2. “□”表示容量偏差；“□”= Capacitance tolerance
- ◆ 3. “*”表示引出端型体；“*”= Specifications of terminals

C45 系列 SERIES

■ 外形图 Outline Drawing



■ 特点

- 迈拉胶带封装，环氧树脂灌封
- 高脉冲电流，高 dv/dt 承受能力
- 等效串联电阻小，自感小
- 高频大电流承受能力

■ Features

- Mylar tape package, Sealed with epoxy resin
- High pulse Current, High dv/dt
- Low ESR&Low ESL
- High-frequency current capacity

■ 主要用途

- 高性能直流滤波或DC-Link应用场合(如：变频器、工业和高端电源、太阳能逆变器等)

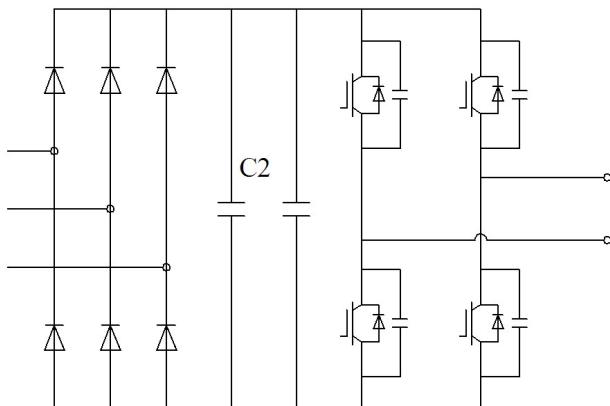
■ Typical application

- DC-Link and coupling/filtering for Inverter, Industrial and high-end power supplies and Solar inverters

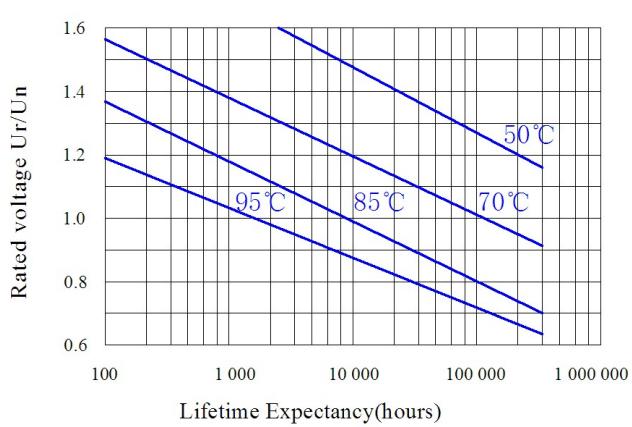
■ 技术参数 Technical Specifications

项目 Items	性能要求 Characteristics	
引用标准/Reference standards	GB/T 17702 IEC 61071	
容量范围/Capacitance	10μF ~100μF	
额定电压/Rated Voltage	350V.DC~1100V.DC	
容量偏差/Tolerance	±5% ±10%	
损耗角正切/Dissipation factor	$\text{tg}\delta \leq 20 \times 10^{-4}$ at $25^\circ\text{C} \pm 5^\circ\text{C}, 100\text{Hz}$	
绝缘电阻/Insulation resistance	$\text{C} \cdot \text{R} \geq 5000\text{S}$, at 100V.DC, $25^\circ\text{C} \pm 5^\circ\text{C}, 60\text{s}$	
工作温度范围/Operating temperature range	-40°C ~ 85°C	
极间耐电压/Test voltage between terminals	1.5Un (10S, $25^\circ\text{C} \pm 5^\circ\text{C}$)	
极壳耐电压/Test voltage between terminals and case	3000V.AC(10S, 50/60Hz, $25^\circ\text{C} \pm 5^\circ\text{C}$)	
过电压/Over voltage	1.1 Un	30% of the service period
	1.15 Un	30 min/day
	1.2 Un	5 min/day
	1.3 Un	1 min/day
	1.5 Un	100ms no more than 1000 times
最大安装扭矩/Max. Torque of Installation	3.0Nm	
最大电极扭矩/Max. Torque of terminals	M6:3.5Nm	M8:6.0Nm
最高使用海拔/Max Altitude	2000m	
预期寿命/Expected lifetime	100 000hrs @ $Un, \theta_{hs}=70^\circ\text{C}$	
失效率/Failure rate	100FIT	

■ 典型线路/Typical circuit



■ 预期寿命曲线/ Expected lifetime curve



■ 产品编码说明/Part number code system

▲ 18位产品代码如下:

▲ The 18 digits part number is formed as follow:

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

1~3位: 型号代码

Digit 1~3: Series code

4~6位: 标称容量

Digit 4~6: Rated capacitance value

如: 104=10×10⁴PF=0.1uF

Example: 104=10×10⁴PF=0.1uF

7~10位: 内部特征码

Digit 7~10: Internal use

11位: 容量偏差

Digit 11: Capacitance tolerance

J=±5%、K=±10%、M=±20%

J=±5%、K=±10%、M=±20%

12~13位: 额定电压

Digit 12~13: Rated voltage

24=600V、28=800V、20=900V

24=600V、28=800V、20=900V

3B=1100V、3E=1300V、3F=1400V

3B=1100V、3E=1300V、3F=1400V

3G=1500V

3G=1500V

14~15位: 外形尺寸代码

Digit 14~15: Dimension code

14位 Digit 14		15位 Digit 15	
代码 Code	胶带宽 Tape width	代码 Code	引出端规格 Specifications of terminal
E	40mm	B	螺母M6*15*10
G	50mm	C	螺母M8*15*10
I	60mm		

16~17位: h高度

16~17位: Height for h

70=7.0mm 75=7.5mm ...

70=7.0mm 75=7.5mm ...

18位: 安装形式

Digit18: Fix style

代码 Code	N	B	C
支架 Bracket	无支架	Φ 15*49	Φ 15*58

■ 标准品一览表 Standard size

静电容量 Cap(uF)	Outline size (mm)		ESR @1KHZ (mΩ)	Ls (nH)	I _{rms} (A)	I _{rms} @40°C/10KHZ (A)	Part number
	ΦD (mm)	H (mm)					
Un: 350V.DC							
20	38	40	3.3	25	1200	30	C45206****□2UE*70○
30	45	"	3.2	"	1800	40	C45306****□2UE*70○
30	38	50	"	"	1500	30	C45306****□2UG*70○
40	45	"	3.0	"	2000	35	C45406****□2UG*70○
50	49	"	"	"	2500	40	C45506****□2UG*70○
60	54	"	"	"	3000	45	C45606****□2UG*70○
70	58	"	"	"	3500	50	C45706****□2UG*70○
80	55	60	"	"	3200	50	C45806****□2UI*70○
100	61	"	2.9	"	4000	55	C45107****□2UI*70○
Un: 700V.DC							
20	38	40	3.3	25	1200	30	C45206****□26E*70○
30	45	"	3.2	"	1800	40	C45306****□26E*70○
30	38	50	"	"	1500	30	C45306****□26G*70○
40	45	"	3.0	"	2000	35	C45406****□26G*70○
50	49	"	"	"	2500	40	C45506****□26G*70○
60	54	"	"	"	3000	45	C45606****□26G*70○
70	58	"	"	"	3500	50	C45706****□26G*70○
80	55	60	"	"	3200	50	C45806****□26I*70○
100	61	"	2.9	"	4000	55	C45107****□26I*70○
Un: 800V.DC							
20	44	40	2.9	25	1200	40	C45206****□28E*70○
30	54	"	2.7	"	2400	45	C45306****□28E*70○
30	45	50	2.6	"	1800	40	C45306****□28G*70○
30	40	60	2.8	"	1500	35	C45306****□28I*70○
40	62	40	2.5	"	3200	55	C45406****□28E*70○
40	52	50	2.7	"	2400	45	C45406****□28G*70○
40	46	60	3.2	"	2400	40	C45406****□28I*70○
50	69	40	2.1	"	4000	60	C45506****□28E*70○
50	59	50	2.4	"	3000	50	C45506****□28G*70○
50	52	60	2.5	"	3000	45	C45506****□28I*70○
60	64	50	2.3	"	3600	55	C45606****□28G*70○
60	56	60	2.4	"	3600	50	C45606****□28I*70○
70	70	50	2.0	"	4200	60	C45706****□28G*70○
70	62	60	2.2	"	4200	55	C45706****□28I*70○
80	73	50	2.1	"	4800	60	C45806****□28G*70○
80	65	60	2.5	"	4800	60	C45806****□28I*70○
100	82	50	1.8	"	6000	75	C45107****□28G*70○
100	72	60	2.2	"	5000	65	C45107****□28I*70○

◆ 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

静电容量 Cap(uF)	Outline size (mm)		ESR @1KHZ (mΩ)	Ls (nH)	I _{rms} (A)	Irms @40°C/10KHZ (A)	Part number
	ΦD (mm)	H (mm)					
Un: 1100V.DC							
10	42	40	3.4	25	600	35	C45106****□3BE*70○
20	50	50	3.1	“	1200	40	C45206****□3BG*70○
20	65	40	3.0	“	“	60	C45206****□3BE*70○
30	60	50	3.1	“	1800	55	C45306****□3BG*70○
40	69	“	2.7	“	2400	60	C45406****□3BG*70○
40	61	60	2.9	“	2000	55	C45406****□3BI*70○
50	68	“	2.6	“	2500	60	C45506****□3BI*70○
60	75	“	2.2	“	3000	70	C45606****□3BI*70○
70	81	“	1.9	“	3500	“	C45706****□3BI*70○
80	86	“	1.6	“	4000	75	C45806****□3BI*70○

◆ 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

◆ 1.“****”表示内部特征码；“****”=Internal use

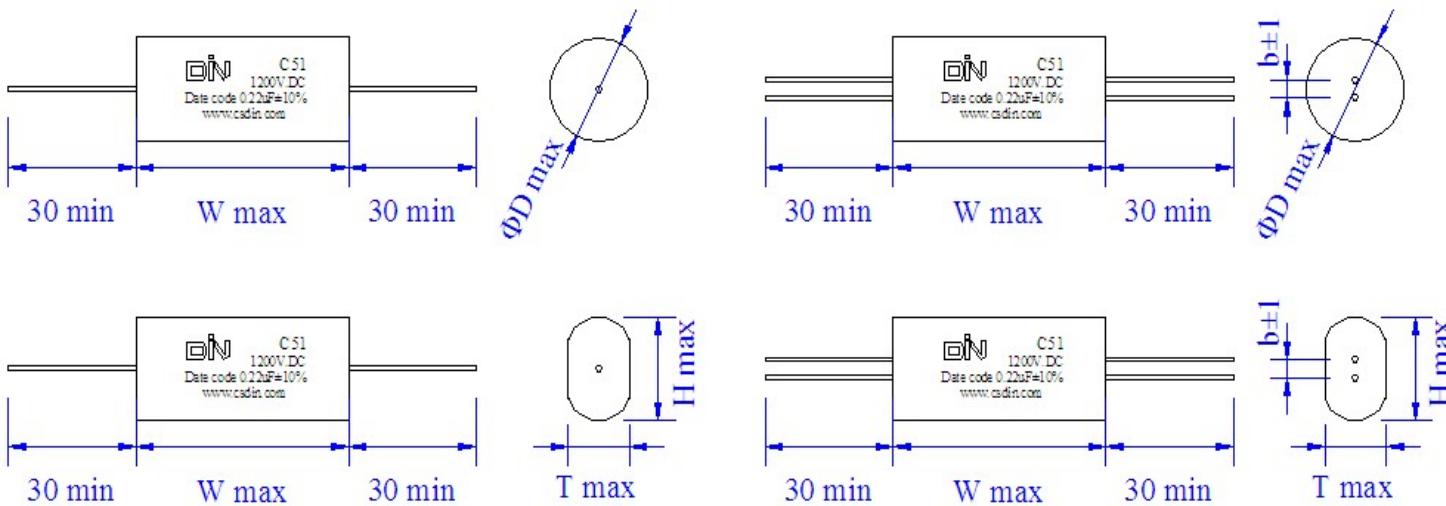
◆ 2. “□”表示容量偏差；“□”= Capacitance tolerance

◆ 3. “*”表示引出端型体；“*”= Specifications of terminals

◆ 4. “○”表示安装形式；“○”= Fix style

C51 系列 SERIES

■ 外形图 Outline Drawing



■ 特点

- 迈拉胶带封装，环氧树脂灌封
- 高纹波吸收能力，高 dv/dt 承受能力
- 杂散电感小
- 损耗小，内部温升小

■ Features

- Mylar tape package, Sealed with epoxy resin
- High-frequency ripple absorption ability
- Low stray inductance
- Low loss and small inherent temperature rise

■ 主要用途

- 广泛应用于逆变器、变频器各类逆变系统开关模块（IGBT）中做吸收保护、尖峰电压钳位等场合

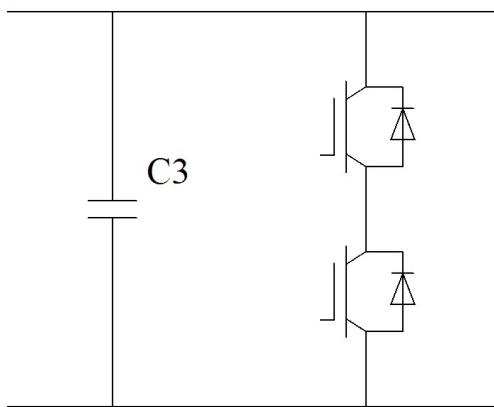
■ Typical application

- Widely used in inverter system for switch module (IGBT) protection, peak voltage clamp, etc.

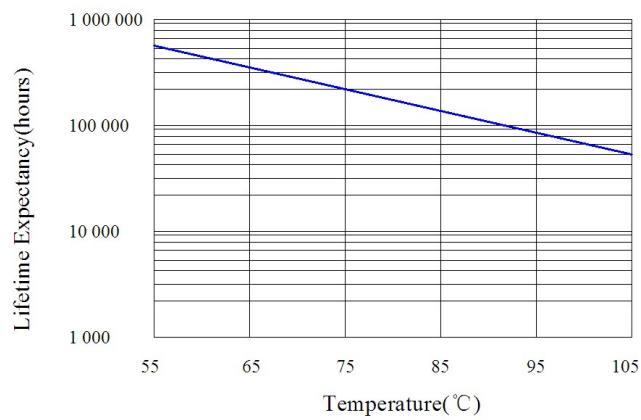
■ 技术参数 Technical Specifications

项目 Items	性能要求 Characteristics	
引用标准/Reference standards	GB/T 17702 IEC 61071	
容量范围/Capacitance	0.0068μF ~10.0μF	
额定电压/Rated Voltage	630V.DC~3000V.DC	
容量偏差/Tolerance	±5% ±10%	
损耗角正切/Dissipation factor	$\operatorname{tg}\delta \leq 10 \times 10^{-4}$ at $25^{\circ}\text{C} \pm 5^{\circ}\text{C}, 1\text{KHz}$	
绝缘电阻/Insulation resistance	$C \cdot R \geq 5000\Omega \cdot \text{s}$, at 100V.DC, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$, 60s	
工作温度范围/Operating temperature range	-40°C ~ 85°C	
极间耐电压/Test voltage between terminals	1.5Un (10S, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$)	
极壳耐电压/Test voltage between terminals and case	3000V.AC(10S, 50/60Hz, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$)	
最大安装扭矩/Max. Torque of Installation	3.0Nm	
最大电极扭矩/Max. Torque of terminals	M6:5Nm	M8:6.0Nm
最高使用海拔/Max Altitude	2000m	
预期寿命/Expected lifetime	100 000hrs @ $U_n, \theta_{hs}=70^{\circ}\text{C}$	
失效率/Failure rate	100FIT	

■ 典型线路/Typical circuit



■ 预期寿命曲线/ Expected lifetime curve



■ 产品编码说明/Part number code system

▲ 18位产品代码如下:

▲ The 18 digits part number is formed as follow:

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

1~3位: 型号代码

Digit 1~3: Series code

4~6位: 标称容量

Digit 4~6: Rated capacitance value

如: 104=10×10⁴PF=0.1uF

Example: 104=10×10⁴PF=0.1uF

7~10位: 内部特征码

Digit 7~10: Internal use

11位: 容量偏差

Digit 11: Capacitance tolerance

J=±5%、K=±10%、M=±20%

J=±5%、K=±10%、M=±20%

12~13位: 额定电压

Digit 12~13: Rated voltage

25=630V、29=850V、3A=1000V

25=630V、29=850V、3A=1000V

3C=1200V、3G=1500V、3H=1600V

3C=1200V、3G=1500V、3H=1600V

3K=2000V、3N=2500V、3S=3000V

3K=2000V、3N=2500V、3S=3000V

14位: 外形尺寸: L

Digit 14: Dimension:L

C=29mm、D=34mm、E=39mm

C=29mm、D=34mm、E=39mm

F=44mm、H=58mm

F=44mm、H=58mm

15~17位: 引出端代码

Digit 15~17: Terminal code

15位 Digit 15		16位 Digit 16		17位 Digit 17	
代码 Code	电极 Electrode	代码 Code	脚距 Pitch	代码 Code	型体 Body type
3	0.8CU	A	2引线	0	圆形
4	1.0CU	C	4引线b=10.0mm	A	扁形
5	1.2CU	E	4引线b=12.7mm		

18位: 脚长

Digit 18: Lead length

0=30mm 4=40mm

0=30mm 4=40mm

■ 标准品一览表 Standard size

静电容量 Cap(μF)	Axial		Axial flat		b	d	dv/dt (V/us)	2Pins		4Pins		L _s (nH)	Part number
	D max	L max	H max	T max				ESR @100kHz (mΩ)	I _{max} (A)	ESR @100kHz (mΩ)	I _{max} (A)		
Un: 630V.DC/700 V.DC/420V.AC #													
0.15	10.5	29.0	14.2	7.9	-	0.8	950	11.0	3.7	-	-	14	C51154****□25C3+○0
0.22	12.0	"	15.9	9.6	-	"	"	9.0	4.6	-	-	"	C51224****□25C3+○0
0.33	14.0	"	18.1	11.8	-	"	"	7.0	6.0	-	-	"	C51334****□25C3+○0
0.47	16.1	"	20.5	4.2	-	1.0	"	5.5	8.0	-	-	"	C51474****□25C4+○0
0.33	12.3	34.0	16.2	10.0	-	0.8	700	7.5	5.8	-	-	17	C51334****□25D3+○0
0.47	14.4	"	18.6	12.4	-	"	"	6.0	7.5	-	-	"	C51474****□25D3+○0
0.68	16.8	"	21.3	15.0	-	1.0	"	5.0	9.0	-	-	"	C51684****□25D4+○0
1.0	19.8	"	25.4	17.6	-	"	"	4.3	10.5	-	-	18	C51105****□25D4+○0
1.5	23.8	"	29.7	21.9	-	1.2	"	4.0	12.5	-	-	19	C51155****□25D4+○0
0.82	16.5	39.0	20.9	14.6	-	1.0	600	5.5	8.0	-	-	"	C51824****□25E5+○0
1.0	17.9	"	23.3	15.5	-	"	"	4.5	9.5	-	-	20	C51105****□25E5+○0
1.5	21.4	"	27.1	19.3	-	1.2	"	4.3	12.0	-	-	"	C51155****□25E5+○0
2.0	24.4	"	30.4	22.5	-	"	"	4.0	14.0	-	-	21	C51205****□25E5+○0
2.2	25.4	"	21.6	23.7	-	"	"	4.0	"	-	-	22	C51225****□25E5+○0
2.5	27.0	"	33.2	25.4	-	"	"	4.0	"	3.5	16.7	"	C51255****□25E5+○0
3.0	29.3	"	36.6	27.2	-	"	"	4.0	"	"	19.1	24	C51305****□25E5+○0
3.3	30.7	"	38.0	28.6	-	"	"	4.0	"	"	20.5	"	C51335****□25E5+○0
1.0	17.0	44.0	21.5	15.2	-	"	475	5.0	"	-	-	21	C51105****□25F5+○0
1.5	20.3	"	25.9	18.0	-	"	"	4.5	"	-	-	"	C51155****□25F5+○0
2.0	23.0	"	28.9	21.1	-	"	"	4.3	"	-	-	22	C51205****□25F5+○0
2.2	24.0	"	30.0	22.2	-	"	"	4.0	"	-	-	23	C51225****□25F5+○0
2.5	25.5	"	31.6	23.7	-	"	"	4.0	"	3.5	15.4	"	C51255****□25F5+○0
3.0	27.7	"	34.8	25.4	-	"	"	4.0	"	"	17.5	24	C51305****□25F5+○0
3.3	29.0	"	36.2	26.7	-	"	"	4.0	"	"	18.7	25	C51335****□25F5+○0
4.0	31.7	"	39.1	29.7	-	"	"	4.0	"	"	21.5	26	C51405****□25F5+○0
3.3	24.3	58.0	30.3	22.4	-	"	300	4.5	"	4.0	15.5	27	C51335****□25H5+○0
4.0	26.5	"	32.7	24.9	-	"	"	4.0	"	3.5	16.4	28	C51405****□25H5+○0
4.7	28.6	"	35.7	26.3	-	"	"	3.8	"	3.4	18.1	29	C51475****□25H5+○0
5.0	29.4	"	36.6	27.2	-	"	"	3.6	"	3.3	18.9	"	C51505****□25H5+○0
6.8	33.9	"	42.3	31.4	-	"	"	"	"	3.1	23.2	31	C51682****□25H5+○0
8.2	37.1	"	45.8	34.8	-	"	"	"	"	"	26.3	33	C51825****□25H5+○0
10.0	40.7	"	49.7	38.8	-	"	"	"	"	"	28.0	34	C51106****□25H5+○0

◆ 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

静电容 量 Cap(uF)	Axial		Axial flat		b	d	dv/dt (V/us)	2Pins		4Pins		L _s (nH)	Part number
	D max	L max	H max	T max				ESR @100kHz (mΩ)	I _{max} (A)	ESR @100kHz (mΩ)	I _{max} (A)		
Un: 850V.DC//450V.AC													
0.10	10.4	29.0	12.5	6.4	-	0.8	1200	13.0	3.6	-	-	14	C51104****□29C3+○0
0.15	12.0	"	14.1	8.0	-	"	"	10.0	4.5	-	-	"	C51154****□29C3+○0
0.22	13.9	"	15.9	9.9	-	"	"	7.5	5.8	-	-	15	C51224****□29C3+○0
0.33	16.1	"	18.2	12.1	-	1.0	"	6.0	7.5	-	-	"	C51334****□29C4+○0
0.15	10.9	34.0	13.0	6.9	-	0.8	900	10.5	4.5	-	-	16	C51154****□29D3+○0
0.22	12.5	"	14.6	8.5	-	"	"	8.0	5.0	-	-	"	C51224****□29D3+○0
0.33	14.6	"	16.7	10.6	-	"	"	6.5	6.3	-	-	17	C51334****□29D3+○0
0.47	16.9	"	19.8	12.2	-	1.0	"	5.5	7.8	-	-	"	C51474****□29D4+○0
0.68	19.8	"	22.7	15.0	-	"	"	4.5	9.9	-	-	18	C51684****□29D4+○0
0.75	20.6	"	23.5	15.9	-	1.2	"	4.3	10.0	-	-	19	C51754****□29D5+○0
1.0	23.4	"	26.3	18.7	-	"	"	4.0	12.9	-	-	"	C51105****□29D5+○0
0.47	15.5	39.0	17.5	11.5	-	1.0	750	6.0	7.5	-	-	"	C51474****□29E4+○0
0.68	18.0	"	21.0	13.3	-	"	"	5.0	8.9	-	-	"	C51684****□29E4+○0
1.0	21.3	"	24.2	16.6	-	1.2	"	4.5	11.5	-	-	20	C51105****□29E5+○0
1.5	25.6	"	28.4	20.8	-	"	"	4.0	14.0	-	-	22	C51155****□29E5+○0
2.0	29.2	"	32.8	23.5	-	"	"	4.0	"	3.5	18.6	23	C51205****□29E5+○0
2.2	30.5	"	34.1	24.8	-	"	"	4.0	"	"	20.0	24	C51225****□29E5+○0
2.5	32.3	"	36.7	25.9	-	"	"	4.0	"	"	22.0	25	C51255****□29E5+○0
0.68	17.0	44.0	19.9	12.3	-	1.0	600	5.5	"	-	-	21	C51684****□29F4+○0
1.0	20.0	"	22.9	15.3	-	"	"	4.5	"	-	-	22	C51105****□29F4+○0
1.5	24.0	"	26.8	19.2	-	1.2	"	4.0	"	-	-	"	C51155****□29F4+○0
2.0	27.3	"	30.9	21.7	-	"	"	4.0	"	3.5	18.0	24	C51205****□29F4+○0
2.2	28.5	"	32.1	22.9	-	"	"	4.0	"	"	18.5	"	C51225****□29F4+○0
2.5	30.3	"	33.8	24.6	-	"	"	4.0	"	"	19.5	25	C51255****□29F4+○0
3.0	32.9	"	37.3	26.5	-	"	"	4.0	"	"	21.5	26	C51305****□29F4+○0
2.2	24.0	58.0	26.8	19.2	-	"	375	4.3	"	-	-	27	C51225****□29H4+○0
2.5	25.4	"	28.2	20.6	-	"	"	4.0	"	3.5	16.0	"	C51255****□29H4+○0
3.0	27.6	"	31.2	22.0	-	"	"	"	"	"	16.8	28	C51305****□29H4+○0
3.3	28.8	"	32.4	23.2	-	"	"	"	"	"	17.8	29	C51335****□29H4+○0
4.0	31.5	"	35.9	25.1	-	"	"	"	"	"	20.2	30	C51405****□29H4+○0
4.7	34.0	"	38.3	27.5	-	"	"	"	"	"	21.0	31	C51475****□29H4+○0
5.0	35.0	"	39.3	28.5	-	"	"	"	"	"	23.5	"	C51505****□29H4+○0
6.8	40.4	"	44.7	33.9	-	"	"	"	"	"	26.0	34	C51685****□29H4+○0

◆ 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

静电容量 Cap(uF)	Axial		Axial flat		b	d	dv/dt (V/us)	2Pins		4Pins		L _s (nH)	Part number
	D max	L max	H max	T max				ESR @100kHz (mΩ)	I _{max} (A)	ESR @100kHz (mΩ)	I _{max} (A)		
Un: 1000V.DC/500V.AC													
0.068	9.8	29.0	11.9	5.8	-	0.8	1400	16.5	3.5	-	-	14	C51683****□3AC3+○○
0.1	11.1	“	13.2	7.1	-	“	“	12.0	4.3	-	-	“	C51104****□3AC3+○○
0.15	12.8	“	14.9	8.8	-	“	“	9.5	5.6	-	-	15	C51154****□3AC3+○○
0.22	14.8	“	16.9	10.8	-	“	“	7.0	6.8	-	-	16	C51224****□3AC3+○○
0.15	11.3	34.0	13.4	7.3	-	“	1050	10.0	5.0	-	-	“	C51154****□3AD3+○○
0.22	13.3	“	15.4	9.3	-	“	“	7.5	7.0	-	-	17	C51224****□3AD3+○○
0.33	15.6	“	18.6	11.0	-	1.0	“	6.0	8.5	-	-	“	C51334****□3AD4+○○
0.47	18.1	“	21.1	13.4	-	“	“	5.0	10.0	-	-	18	C51474****□3AD4+○○
0.68	21.3	“	24.1	16.5	-	1.2	“	4.0	12.1	-	-	“	C51684****□3AD5+○○
0.33	14.6	39.0	16.7	10.6	-	0.8	850	8.0	7.2	-	-	19	C51334****□3AE3+○○
0.47	16.8	“	19.8	12.2	-	1.0	“	5.5	8.8	-	-	“	C51474****□3AE4+○○
0.68	19.7	“	22.6	15.0	-	“	“	4.5	11.1	-	-	20	C51684****□3AE4+○○
1.0	23.3	“	26.2	18.6	-	1.2	“	4.0	14.0	-	-	21	C51105****□3AE5+○○
1.5	28.0	“	31.7	22.4	-	“	“	“	14.0	3.5	18.1	23	C51155****□3AE5+○○
0.47	15.6	44.0	18.6	11.0	-	1.0	780	6.0	9.2	-	-	21	C51474****□3AF4+○○
0.68	18.2	“	21.2	13.5	-	“	“	5.0	10.1	-	-	“	C51684****□3AF4+○○
1.0	21.5	“	24.4	16.8	-	1.2	“	4.0	12.8	-	-	22	C51105****□3AF5+○○
1.5	25.8	“	29.5	20.2	-	“	“	“	14.0	3.5		23	C51155****□3AF5+○○
2.0	29.4	“	33.8	23.1	-	“	“	“	“	3.5	20.5	25	C51205****□3AF5+○○
1.5	22.0	58.0	24.9	17.2	-	“	425	5.0	“	-	-	26	C51155****□3AH5+○○
2.0	25.0	“	28.6	19.4	-	“	“	4.5	“	4.0	15.0	27	C51205****□3AH5+○○
2.2	26.1	“	29.7	20.5	-	“	“	4.0	“	3.5	15.7	28	C51225****□3AH5+○○
2.5	27.6	“	31.3	22.0	-	“	“	“	“	“	17.0	“	C51255****□3AH5+○○
3.0	30.1	“	34.5	23.7	-	“	“	“	“	“	19.2	29	C51305****□3AH5+○○
3.3	31.4	“	35.8	25.0	-	“	“	“	“	“	20.4	30	C51335****□3AH5+○○
4.0	34.4	“	38.7	27.9	-	“	“	“	“	“	21.0	31	C51405****□3AH5+○○
4.7	37.1	“	41.3	30.5	-	“	“	“	“	“	22.0	32	C51475****□3AH5+○○

◆ 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

静电容量 Cap(uF)	Axial		Axial flat		b	d	dv/dt (V/us)	2Pins		4Pins		L _s (nH)	Part number	
	D max	L max	H max	T max				ESR @100kHz (mΩ)	I _{max} (A)	ESR @100kHz (mΩ)	I _{max} (A)			
Un: 1200V.DC/600V.AC														
0.047	9.7	29.0	13.4	7.1	—	0.8	1600	20.0	3.4	—	—	15	C51473****□3CC3+○○	
0.068	11.0	“	14.8	8.5	—	“	“	15.5	4.2	—	—	“	C51683****□3CC3+○○	
0.1	10.2	“	16.7	10.4	—	“	“	12.0	5.2	—	—	“	C51104****□3CC3+○○	
0.15	14.8	“	19.1	12.8	—	“	“	9.2	6.6	—	—	16	C51154****□3CC3+○○	
0.22	17.4	“	22.8	14.9	—	1.0	“	7.0	8.5	—	—	“	C51224****□3CC4+○○	
0.1	11.4	34.0	15.3	9.0	—	0.8	1350	13.5	5.5	—	—	17	C51104****□3CD3+○○	
0.15	13.3	“	17.4	11.1	—	“	“	10.0	6.5	—	—	“	C51154****□3CD3+○○	
0.22	15.2	“	19.8	13.5	—	“	“	6.8	9.0	—	—	18	C51224****□3CD3+○○	
0.33	18.4	“	23.8	16.0	—	1.0	“	5.5	9.4	—	—	“	C51334****□3CD4+○○	
0.47	21.5	“	27.2	19.3	—	1.2	“	4.0	11.9	—	—	“	C51474****□3CD5+○○	
0.22	13.4	39.0	17.8	11.5	—	0.8	1050	8.5	6.5	—	—	19	C51224****□3CE3+○○	
0.33	16.1	“	21.4	13.5	—	1.0	“	6.5	7.7	—	—	“	C51334****□3CE4+○○	
0.47	18.7	“	24.2	16.4	—	“	“	5.0	10.5	—	—	“	C51474****□3CE4+○○	
0.68	22.0	“	27.8	20.0	—	1.2	“	4.5	12.1	—	—	20	C51684****□3CE5+○○	
1.0	26.2	“	33.2	23.8	—	“	“	4.0	14.0	3.5	15.5	22	C51105****□3CE5+○○	
1.2	28.5	“	36.5	25.5	—	“	“	4.0	14.0	3.2	16.5	23	C51125****□3CE5+○○	
0.33	15.0	44.0	19.2	13.0	—	0.8	1000	6.7	9.0	—	—	21	C51334****□3CF3+○○	
0.47	17.3	“	22.7	14.9	—	1.0	“	5.5	9.8	—	—	“	C51474****□3CF4+○○	
0.68	20.4	“	26.0	18.1	—	1.2	“	5.0	11.7	—	—	“	C51684****□3CF5+○○	
1.0	24.2	“	31.0	21.5	—	“	“	4.5	14.0	—	—	22	C51105****□3CF5+○○	
1.2	26.3	“	33.2	23.8	—	“	“	4.0	“	3.5	15.9	23	C51125****□3CF5+○○	
1.5	29.1	“	37.1	26.1	—	“	“	“	“	“	18.6	25	C51155****□3CF5+○○	
1.5	24.2	58.0	31.0	21.6	—	“	“	600	5.0	“	4.5	—	28	C51155****□3CH5+○○
2.0	27.6	“	34.7	25.3	—	“	“	4.5	“	4.0	17.5	29	C51205****□3CH5+○○	
2.2	28.9	“	36.9	25.9	—	“	“	4.0	“	3.5	18.0	“	C51225****□3CH5+○○	
2.5	30.6	“	38.8	27.8	—	“	“	“	“	“	19.0	30	C51255****□3CH5+○○	
3.0	33.4	“	42.5	29.9	—	“	“	“	“	“	20.0	31	C51305****□3CH5+○○	
3.3	34.9	“	44.2	31.6	—	“	“	“	“	“	21.0	32	C51335****□3CH5+○○	
4.0	38.2	“	48.5	34.4	—	“	“	“	“	“	22.0	33	C51405****□3CH5+○○	

◆ 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

静电容量 Cap(uF)	Axial		Axial flat		b	d	dv/dt (V/us)	2Pins		4Pins		L _s (nH)	Part number
	D max	L max	H max	T max				ESR @100kHz (mΩ)	I _{max} (A)	ESR @100kHz (mΩ)	I _{max} (A)		
Un: 1500V.DC/650V.AC													
0.033	10.5	29.0	12.5	6.5	-	0.8	2300	28.0	3.3	-	-	15	C51333****□3GC3+○○
0.047	11.8	"	13.9	7.8	-	"	"	21.1	4.2	-	-	"	C51473****□3GC3+○○
0.068	13.5	"	15.6	9.5	-	"	"	15.0	5.5	-	-	16	C51683****□3GC3+○○
0.1	15.7	"	17.8	11.7	-	1.0	"	10.4	7.2	-	-	"	C51104****□3GC4+○○
0.068	12.2	34.0	14.3	8.2	-	0.8	1750	16.0	4.1	-	-	17	C51683****□3GD3+○○
0.1	14.1	"	16.2	10.1	-	"	"	12.0	5.8	-	-	"	C51104****□3GD3+○○
0.15	16.6	"	19.6	11.9	-	1.0	"	8.5	6.5	-	-	"	C51154****□3GD4+○○
0.22	19.5	"	22.4	14.8	-	"	"	6.7	8.4	-	-	19	C51224****□3GD4+○○
0.33	23.3	"	26.2	18.5	-	1.2	"	4.5	11.1	-	-	"	C51334****□3GD5+○○
0.1	13.0	39.0	15.1	9.0	-	0.8	1450	10.0	6.0	-	-	"	C51104****□3GE3+○○
0.22	17.8	"	20.7	13.1	-	1.0	"	7.5	8.0	-	-	"	C51224****□3GE4+○○
0.33	21.2	"	24.1	16.4	-	1.2	"	6.3	10.4	-	-	20	C51334****□3GE5+○○
0.47	24.8	"	27.7	20.0	-	"	"	5.0	12.5	-	-	21	C51474****□3GE5+○○
0.68	29.3	"	33.0	23.7	-	"	"	4.3	13.0	-	-	23	C51684****□3GE5+○○
0.22	16.4	44.0	19.4	11.8	-	1.0	1200	8.5	8.0	-	-	21	C51224****□3GF4+○○
0.33	19.5	"	22.4	14.8	-	1.0	"	6.5	10.2	-	-	22	C51334****□3GF4+○○
0.47	22.8	"	25.7	18.0	-	1.2	"	5.2	10.2	-	-	"	C51474****□3GF5+○○
0.68	26.9	"	30.6	21.3	-	"	"	4.5	14.0	4.0	16.3	24	C51684****□3GF5+○○
1.0	32.1	"	36.5	25.7	-	"	"	4.0	"	3.5	17.0	26	C51105****□3GF5+○○
1.0	26.4	58.0	30.0	20.8	-	"	750	5.0	"	4.5	16.0	28	C51105****□3GH5+○○
1.2	28.7	"	32.3	23.1	-	"	"	4.5	"	4.0	17.0	29	C51125****□3GH5+○○
1.5	31.8	"	36.1	25.3	-	"	"	4.3	"	3.8	18.0	30	C51155****□3GH5+○○
2.0	36.4	"	40.6	29.8	-	"	"	4.0	"	3.5	19.0	32	C51205****□3GH5+○○
2.2	38.0	"	43.1	30.7	-	"	"	"	"	"	20.0	33	C51225****□3GH5+○○
2.5	40.4	"	46.2	32.3	-	"	"	"	"	"	21.0	34	C51255****□3GH5+○○

◆ 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

静电容量 Cap(uF)	Axial		Axial flat		b	d	dv/dt (V/us)	2Pins		4Pins		L _s (nH)	Part number
	D max	L max	H max	T max				ESR @100kHz (mΩ)	I _{max} (A)	ESR @100kHz (mΩ)	I _{max} (A)		
Un: 1600V.DC/1700V.DC/675V.AC													
0.033	11.0	29.0	13.1	7.0	-	0.8	2500	25.6	4.1	-	-	15	C51333****□3HC3+○0
0.047	12.5	"	14.6	8.5	-	"	"	18.5	5.8	-	-	"	C51473****□3HC3+○0
0.068	14.4	"	16.5	10.4	-	"	"	13.2	6.1	-	-	16	C51683****□3HC3+○0
0.1	6.8	"	19.8	12.1	-	1.0	"	9.2	7.8	-	-	16	C51104****□3HC4+○0
0.068	12.9	34.0	15.0	8.9	-	0.8	1900	17.9	5.3	-	-	17	C51683****□3HD3+○0
0.1	15.0	"	18.0	10.4	-	1.0	"	12.5	7.5	-	-	"	C51104****□3HD4+○0
0.15	17.7	"	20.7	13.0	-	"	"	8.5	8.6	-	-	18	C51154****□3HD3+○0
0.22	20.9	"	23.8	16.1	-	1.2	"	6.0	10.0	-	-	"	C51224****□3HD4+○0
0.33	25.0	"	29.5	18.7	-	"	"	5.5	12.5	-	-	20	C51334****□3HD4+○0
0.1	13.8	39.0	15.9	9.8	-	0.8	1650	16.1	6.2	-	-	19	C51104****□3HE3+○0
0.22	19.0	"	21.9	14.3	-	1.0	"	7.6	9.5	-	-	20	C51224****□3HE4+○0
0.33	22.7	"	25.6	17.9	-	1.2	"	5.2	12.4	-	-	"	C51334****□3HE5+○0
0.47	26.6	"	30.2	21.0	-	"	"	4.5	14.0	-	-	22	C51474****□3HE5+○0
0.68	31.5	"	35.9	25.1	-	"	"	4.0	"	-	17.3	24	C51684****□3HE5+○0
0.22	17.5	44.0	20.5	12.8	-	1.0	1400	9.5	8.6	-	-	21	C51224****□3HF4+○0
0.33	20.9	"	23.8	16.1	-	1.2	"	6.5	11.0	-	-	"	C51334****□3HF5+○0
0.47	24.4	"	27.3	19.6	-	"	"	5.0	13.2	-	-	22	C51474****□3HF5+○0
0.68	28.9	"	32.5	23.2	-	"	"	4.5	14.0	4.0	16.0	24	C51684****□3HF5+○0
1.0	34.5	"	43.1	24.5	-	"	"	4.0	"	3.5	18.0	27	C51105****□3HF5+○0
1.5	41.8	"	49.2	31.4	-	"	"	"	"	"	21.0	31	C51155****□3HF5+○0
1.0	28.3	58.0	31.9	22.7	-	"	780	5.0	"	4.5	16.5	29	C51105****□3HH5+○0
1.2	30.7	"	36.8	22.9	-	"	"	4.5	"	4.0	17.0	30	C51125****□3HH5+○0
1.5	34.1	"	40.9	25.4	-	"	"	4.2	"	3.7	19.0	31	C51155****□3HH5+○0
2.0	39.0	"	46.5	29.5	-	"	"	4.0	"	3.6	21.0	34	C51205****□3HH5+○0
2.2	40.8	"	49.1	30.5	-	"	"	"	"	3.5	22.0	35	C51225****□3HH5+○0
2.5	43.4	"	51.6	33.0	-	"	"	"	"	"	22.5	36	C51255****□3HH5+○0

◆ 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

静电容量 Cap(uF)	Axial		Axial flat		b	d	dv/dt (V/u s)	2Pins		4Pins		L _s (nH)	Part number
	D max	L max	H max	T max				ESR @100kHz (mΩ)	I _{max} (A)	ESR @100kHz (mΩ)	I _{max} (A)		
Un: 2000V.DC/700V.AC													
0.022	10.2	29.0	12.8	6.7	-	0.8	61	32.8	3.2	-	-	15	C51223****□3KC3+○0
0.033	11.6	"	14.3	8.2	-	"	91	22.8	4.0	-	-	"	C51333****□3KC3+○0
0.047	13.2	"	16.0	9.9	-	"	129	16.5	6.0	-	-	16	C51473****□3KC3+○0
0.068	15.2	"	18.2	12.1	-	1.0	187	11.7	7.0	-	-	15	C51683****□3KC4+○0
0.047	12.0	34.0	14.7	8.6	-	0.8	99	22.5	5.1	-	-	17	C51473****□3KD3+○0
0.068	13.7	"	16.5	10.4	-	"	143	16.0	6.7	-	-	"	C51683****□3KD3+○0
0.1	15.9	"	19.8	12.1	-	1.0	210	11.1	8.4	-	-	"	C51104****□3KD4+○0
0.15	18.8	"	22.9	15.2	-	"	315	7.6	10.1	-	-	18	C51154****□3KD4+○0
0.22	22.2	"	26.5	18.8	-	1.2	462	5.5	11.0	-	-	19	C51224****□3KD5+○0
0.068	12.6	39.0	15.4	9.3	-	0.8	126	20.6	5.8	-	-	"	C51683****□3KE3+○0
0.1	14.6	"	17.5	11.4	-	"	185	14.3	6.8	-	-	"	C51104****□3KE3+○0
0.15	17.2	"	21.1	13.5	-	1.0	278	9.8	8.5	-	-	"	C51154****□3KE4+○0
0.22	20.2	"	24.3	16.7	-	1.2	407	6.8	10.7	-	-	"	C51224****□3KE4+○0
0.33	24.2	"	28.5	20.9	-	"	611	4.6	14.0	-	-	21	C51334****□3KE5+○0
0.39	26.0	"	30.5	22.9	-	"	721	4.3	"	-	-	22	C51394****□3KE5+○0
0.47	28.4	"	33.7	24.5	-	"	870	4.0	14.0	3.5	16.3	23	C51474****□3KE5+○0
0.1	13.6	44.0	16.4	10.3	-	1.0	165	18.0	6.4	-	-	21	C51104****□3KF4+○0
0.15	15.9	"	19.8	12.1	-	"	248	12.3	8.9	-	-	20	C51154****□3KF4+○0
0.22	18.7	"	22.7	15.0	-	"	363	8.5	10.1	-	-	21	C51224****□3KF4+○0
0.33	22.2	"	26.5	18.8	-	1.2	545	5.8	13.0	-	-	22	C51334****□3KF5+○0
0.47	26.0	"	31.3	22.1	-	"	776	4.1	14.0	3.6	15.1	23	C51474****□3KF5+○0
0.68	31.4	"	37.9	25.6	-	"	1122	4.0	"	3.5	18.0	26	C51684****□3KF5+○0
0.68	26.9	58.0	30.5	21.3	-	"	578	5.0	"	4.5	15.8	28	C51684****□3KH5+○0
1.0	32.1	"	38.1	24.2	-	"	850	4.5	"	4.0	17.5	30	C51105****□3KH5+○0
1.2	34.9	"	40.9	26.9	-	"	1020	4.0	"	3.5	18.0	32	C51125****□3KH5+○0
1.3	36.2	"	42.2	28.2	-	"	1105	"	"	"	18.5	32	C51135****□3KH5+○0
1.5	38.8	"	45.4	29.9	-	"	1275	"	"	"	20.0	34	C51155****□3KH5+○0

◆ 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

静电容量 Cap(uF)	Axial		Axial flat		b	d	dv/dt (V/us)	2Pins		4Pins		Ls (nH)	Part number
	D max	L max	H max	T max				ESR @100kHz (mΩ)	I _{max} (A)	ESR @100kHz (mΩ)	I _{max} (A)		
Un: 2500V.DC/725V.AC													
0.01	9.9	29.0	12.0	5.9	-	0.8	117	53.5	2.3	-	-	15	C51103****□3NC3+○0
0.015	11.1	"	13.2	7.1	-	"	176	37.6	2.9	-	-	"	C51153****□3NC3+○0
0.022	12.6	"	14.7	8.6	-	"	257	26.7	3.5	-	-	"	C51223****□3NC3+○0
0.033	14.7	"	16.7	10.7	-	"	386	18.4	4.8	-	-	16	C51333****□3NC3+○0
0.033	13.2	34.0	15.3	9.2	-	"	257	25.4	3.9	-	-	17	C51333****□3ND3+○0
0.047	15.1	"	17.2	11.1	-	1.0	367	18.3	5.3	-	-	"	C51473****□3ND4+○0
0.068	17.5	"	20.4	12.8	-	"	530	13.0	7.0	-	-	18	C51683****□3ND4+○0
0.1	20.5	"	23.4	15.8	-	1.2	780	9.0	8.6	-	-	"	C51104****□3ND5+○0
0.15	24.5	"	27.3	19.7	-	"	1170	6.1	10.5	-	-	20	C51154****□3ND5+○0
0.082	17.3	39.0	20.2	12.6	-	1.0	517	14.2	5.1	-	-	19	C51823****□3NE4+○0
0.1	18.7	"	21.7	14.0	-	"	630	11.7	7.1	-	-	20	C51104****□3NE4+○0
0.15	22.3	"	25.2	17.5	-	1.2	945	8.0	7.5	-	-	"	C51154****□3NE5+○0
0.22	26.4	"	30.0	20.8	-	"	1386	5.6	11.0	-	-	22	C51224****□3NE5+○0
0.33	31.7	"	36.0	25.3	-	"	2079	4.0	14.0	-	-	25	C51334****□3NE5+○0
0.47	37.3	"	42.4	30.0	-	"	2961	4.0	14.0	3.5	16.0	28	C51474****□3NE5+○0
0.1	17.3	44.0	20.3	10.2	-	1.0	585	14.9	6.8	-	-	21	C51104****□3NF4+○0
0.15	20.5	"	23.4	15.8	-	1.2	878	10.1	9.2	-	-	"	C51154****□3NF5+○0
0.22	24.2	"	27.1	19.5	-	"	1287	7.0	10.4	-	-	22	C51224****□3NF5+○0
0.33	29.1	"	32.7	23.4	-	"	1931	4.8	14.0	-	-	25	C51334****□3NF5+○0
0.47	34.2	"	38.5	27.7	-	"	2750	4.0	"	3.5	17.0	27	C51474****□3NF5+○0
0.68	40.6	"	46.4	32.4	-	"	3978	"	"	3.5	17.5	31	C51684****□3NF5+○0
0.33	24.0	58.0	26.8	19.2	-	"	916	8.5	10.6	-	-	27	C51334****□3NH5+○0
0.47	28.1	"	31.7	22.5	-	"	1304	6.0	13.2	-	-	29	C51474****□3NH5+○0
0.68	33.2	"	37.6	26.8	-	"	1887	4.2	14.0	3.7	16.5	31	C51684****□3NH5+○0
0.82	36.2	"	40.5	29.7	-	"	2276	4.0	"	3.5	17.0	32	C51824****□3NH5+○0
1.0	39.7	"	45.6	31.6	-	"	2775	"	"	"	18.0	34	C51105****□3NH5+○0

◆ 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

静电容量 Cap(uF)	Axial		Axial flat		b	d	dv/dt (V/us)	2Pins		4Pins		L _s (nH)	Part number
	D max	L max	H max	T max				ESR @100kHz (mΩ)	I _{max} (A)	ESR @100kHz (mΩ)	I _{max} (A)		
Un: 3000V.DC/750V.AC													
0.0068	10.1	29.0	12.2	6.1	-	0.8	33	65.1	2.0	-	-	15	C51682****□3SC3+○0
0.010	11.2	"	13.3	7.2	-	"	48	46.7	2.5	-	-	"	C51103****□3SC3+○0
0.015	12.8	"	14.9	8.8	-	"	72	32.6	3.0	-	-	"	C51153****□3SC3+○0
0.010	10.4	34.0	12.5	6.4	-	"	35	64.7	2.2	-	-	17	C51103****□3SD3+○0
0.015	11.7	"	13.8	7.7	-	"	53	45.3	2.7	-	-	"	C51153****□3SD3+○0
0.022	13.3	"	15.4	9.3	-	"	77	32.0	3.3	-	-	"	C51223****□3SD3+○0
0.033	15.4	"	17.5	11.4	-	1.0	116	22.1	4.1	-	-	"	C51333****□3SD4+○0
0.047	17.7	"	20.6	13.0	-	"	165	15.8	5.5	-	-	18	C51473****□3SD4+○0
0.068	20.6	"	23.5	15.8	-	1.2	238	11.2	7.3	-	-	"	C51683****□3SD5+○0
0.047	16.2	39.0	19.2	11.6	-	1.0	118	20.8	4.5	-	-	19	C51473****□3SE4+○0
0.068	18.8	"	21.7	14.1	-	1.0	170	14.7	6.0	-	-	20	C51683****□3SE4+○0
0.10	22.1	"	25.0	17.3	-	1.2	250	10.2	7.5	-	-	"	C51104****□3SE5+○0
0.15	26.4	"	30.0	20.8	-	"	375	7.0	9.3	-	-	22	C51154****□3SE5+○0
0.22	31.3	"	35.7	24.9	-	"	550	4.9	12.3	-	-	24	C51224****□3SE5+○0
0.047	15.1	44.0	18.1	10.5	-	1.0	99	26.7	5.1	-	-	20	C51473****□3SF4+○0
0.068	17.4	"	20.4	10.2	-	"	143	18.8	6.3	-	-	21	C51683****□3SF4+○0
0.10	20.4	"	23.3	15.7	-	1.2	210	13.1	7.9	-	-	21	C51104****□3SF5+○0
0.15	24.3	"	27.1	19.5	-	"	315	8.9	10.2	-	-	22	C51154****□3SF5+○0
0.22	28.7	"	32.4	23.1	-	"	462	6.1	13.2	-	-	24	C51224****□3SF5+○0
0.22	23.8	58.0	26.6	19.0	-	"	281	11.1	11.0	-	-	27	C51224****□3SH5+○0
0.33	28.4	"	32.1	22.8	-	"	421	7.5	14.0	-	-	29	C51334****□3SH5+○0
0.47	33.3	"	37.7	26.9	-	"	599	5.4	"	5.0	16.0	31	C51474****□3SH5+○0
0.56	36.1	"	41.3	28.9	-	"	714	4.5	"	4.0	17.0	32	C51564****□3SH5+○0
0.60	37.3	"	42.4	30.0	-	"	765	4.3	"	3.8	18.0	33	C51604****□3SH5+○0

◆ 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

◆ 1.“****”表示内部特征码；“****”=Internal use

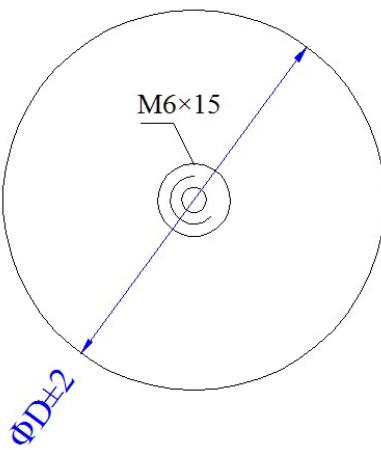
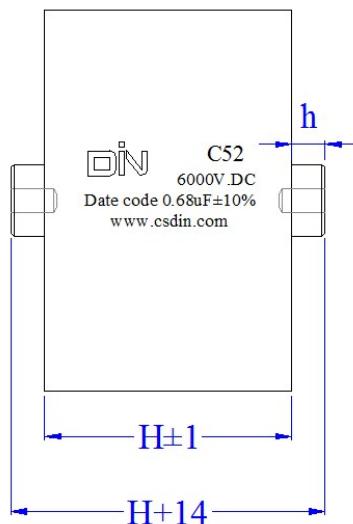
◆ 2. “□”表示容量偏差；“□”= Capacitance tolerance

◆ 3. “+”表示脚距；“+”= Pitch

◆ 4. “○”表示型体；“○”= Body type

C52 系列 SERIES

■ 外形图 Outline Drawing



■ 特点

- 迈拉胶带封装，环氧树脂灌封
- 高纹波吸收能力，高 dv/dt 承受能力
- 等效串联电阻小，自感小
- 损耗小，内部温升小

■ Features

- Mylar tape package, Sealed with epoxy resin
- High-frequency ripple absorption ability
- Low ESR, Low ESL
- Low loss and small inherent temperature rise

■ 主要用途

- GTO中突波的吸收
- 高纹波电流直流滤波应用
- 高压脉冲，高频应用

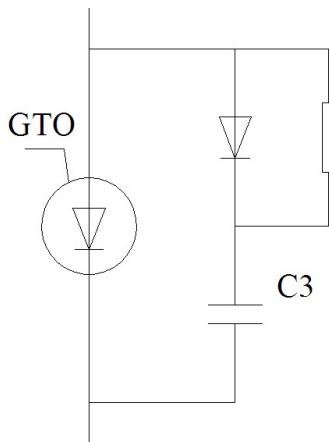
■ Typical application

- Damping of voltage spikes in GTO-Thrusters
- High ripple current D.C. filtering
- For high pulse and high frequency application

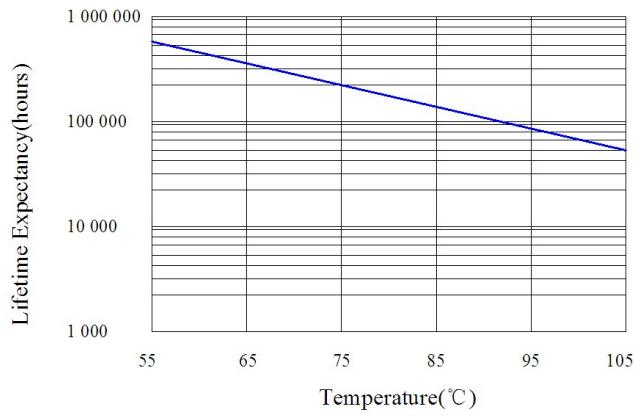
■ 技术参数 Technical Specifications

项目 Items	性能要求 Characteristics	
引用标准/Reference standards	GB/T 17702 IEC 61071	
容量范围/Capacitance	0.01μF ~10.0μF	
额定电压/Rated Voltage	700V.DC~9000V.DC	
容量偏差/Tolerance	±5% ±10%	
损耗角正切/Dissipation factor	$\operatorname{tg}\delta \leq 10 \times 10^{-4}$ at $25^{\circ}\text{C} \pm 5^{\circ}\text{C}, 1\text{KHz}$	
绝缘电阻/Insulation resistance	$C \cdot R \geq 5000\text{S}$, at 500V.DC, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$, 60s	
工作温度范围/Operating temperature range	-40°C ~ 85°C	
极间耐电压/Test voltage between terminals	1.5Un (10S, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$)	
极壳耐电压/Test voltage between terminals and case	3000V.AC(10S, 50/60Hz, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$)	
最大安装扭矩/Max. Torque of Installation	3.0Nm	
最大电极扭矩/Max. Torque of terminals	M6:5Nm	M8:6.0Nm
最高使用海拔/Max Altitude	2000m	
预期寿命/Expected lifetime	100 000hrs @ $U_n, \theta_{hs}=70^{\circ}\text{C}$	
失效率/Failure rate	100FIT	

■ 典型线路/Typical circuit



■ 预期寿命曲线/ Expected lifetime curve



■ 产品编码说明/Part number code system

▲ 18位产品代码如下:

▲ The 18 digits part number is formed as follow:

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

1~3位: 型号代码

Digit 1~3: Series code

4~6位: 标称容量

Digit 4~6: Rated capacitance value

如: 104=10×10⁴PF=0.1uF

Example: 104=10×10⁴PF=0.1uF

7~10位: 内部特征码

Digit 7~10: Internal use

11位: 容量偏差

Digit 11: Capacitance tolerance

J=±5%、K=±10%、M=±20%

J=±5%、K=±10%、M=±20%

12~13位: 额定电压

Digit 12~13: Rated voltage

3S=3000V、34=6000V、36=7000V

3S=3000V、34=6000V、36=7000V

38=8000V

38=8000V

14~15位: 外形尺寸代码

Digit 14~15: Dimension code

14位 Digit 14		15位 Digit 15	
代码 Code	胶带宽 Tape width	代码 Code	引出端规格 Specifications of terminals
F	46mm	B	螺母M6*15*10
H	56mm	C	螺母M8*15*10
I	60mm		
K	80mm		
L	90mm		

16~17位: h高度

16~17位: Height for h

70=7.0mm 75=7.5mm ...

70=7.0mm 75=7.5mm ...

18位: 安装形式

Digit 18: Fix style

代码 Code	N	B	C
支架 Bracket	无支架	Φ 15*49	Φ 15*58

■ 标准品一览表 Standard size

静电容量 Cap(uF)	Outline size (mm)		Ls (nH)	dv/dt (V/us)	\hat{I} (A)	Irms @70°C/100KHZ (A)	Part number
	ΦD (mm)	H (mm)					
Un: 3000V.DC							
0.33	35	46	25	1100	242	30	C52334****□3SF*70○
0.33	43	"	"	1000	330	35	C52334****□3SF*70○
0.47	51	"	22	850	399	45	C52474****□3SF*70○
0.68	61	"	"	800	544	55	C52684****□3SF*70○
1	74	"	20	700	700	65	C52105****□3SF*70○
1.2	80	"	"	650	780	75	C52125****□3SF*70○
Un: 6000V.DC							
0.22	43	60	25	1500	330	35	C52224****□34I*70○
0.33	52	"	"	1200	396	45	C52334****□34I*70○
0.47	62	"	"	1000	470	50	C52474****□34I*70○
0.68	74	"	22	900	612	60	C52684****□34I*70○
1	90	"	"	800	900	75	C52105****□34I*70○
Un: 7000V.DC							
0.22	45	56	25	1100	242	30	C52224****□36H*70○
0.68	36	80	28	1000	680	25	C52684****□36K*70○
1	43	"	"	850	850	30	C52105****□36K*70○
1.5	52	"	25	800	1200	35	C52155****□36K*70○
1.8	57	"	"	700	1260	40	C52185****□36K*70○
2	60	"	23	650	1300	45	C52205****□36K*70○
3	73	"	22	500	1500	50	C52305****□36K*70○
Un: 8000V.DC							
0.33	35	90	30	1100	363	25	C52334****□38L*70○
0.47	41	"	28	1000	470	30	C52474****□38L*70○
0.68	49	"	"	850	578	35	C52684****□38L*70○
1	60	"	25	800	800	40	C52105****□38L*70○
1.5	72	"	"	700	1050	45	C52155****□38L*70○

◆ 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

◆ 1.“****”表示内部特征码；“****”=Internal use

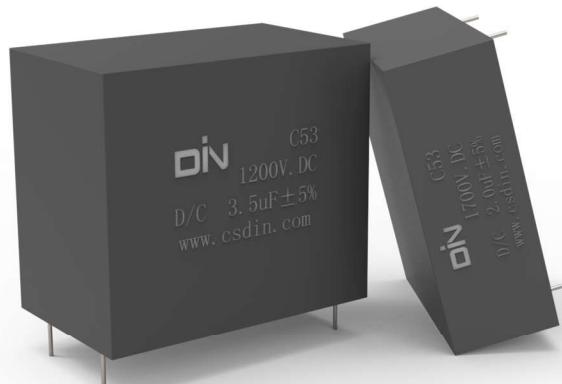
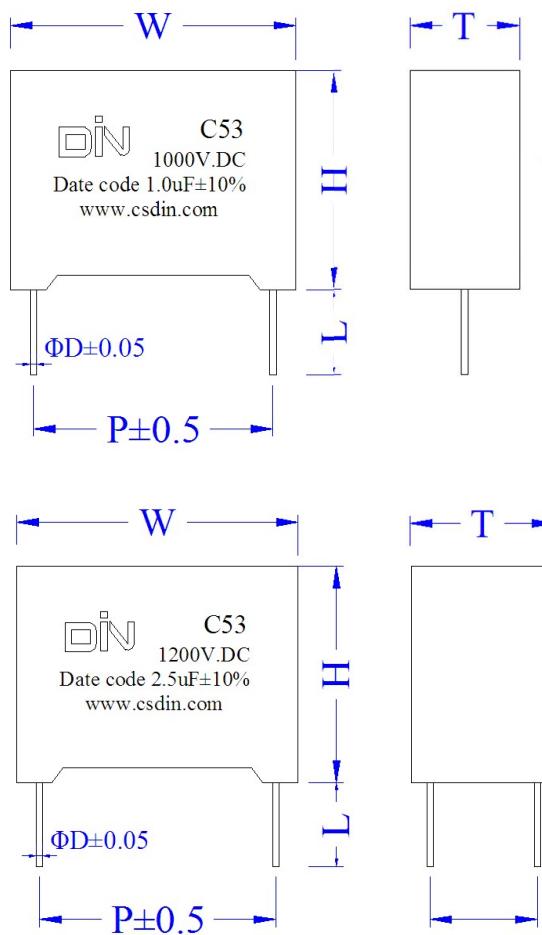
◆ 2. “□”表示容量偏差；“□”= Capacitance tolerance

◆ 3. “*”表示引出端型体；“*”= Specifications of terminals

◆ 4. “○”表示安装形式；“○”= Fix style

C53 系列 SERIES

■ 外形图 Outline Drawing



■ 特点

- 塑料外壳封装，阻燃（UL 94V-0 级）树脂灌封
- 等效串联电阻小，自感小
- 损耗小，内部温升小

■ Features

- Plastic case, epoxy resin sealing (UL 94V-0)
- Low ESR, Low ESL
- Low loss and small inherent temperature rise

■ 主要用途

- 高压脉冲，高频应用
- 适合作为IGBT的吸收电容（PCB板用）

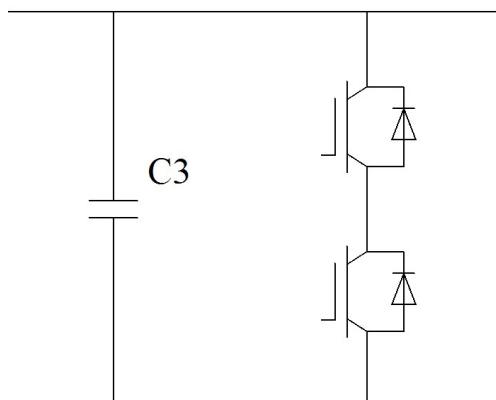
■ Typical application

- For high pulse and high frequency application
- Especially designed as snubber capacitor for IGBT(to PCB)

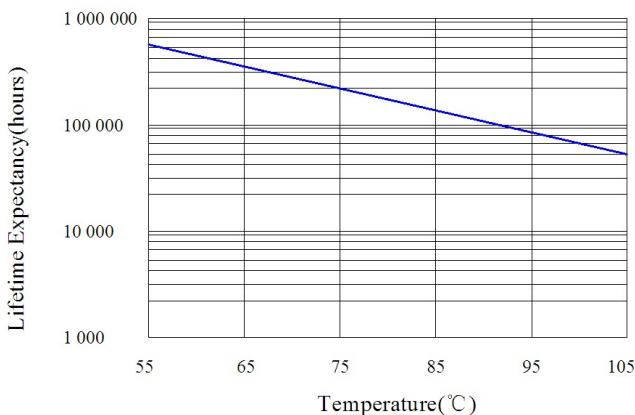
■ 技术参数 Technical Specifications

项目 Items	性能要求 Characteristics
引用标准/Reference standards	GB/T 17702 IEC 61071
容量范围/Capacitance	0.047μF ~9.0μF
额定电压/Rated Voltage	630V.DC~3000V.DC
容量偏差/Tolerance	±5% ±10%
损耗角正切/Dissipation factor	$\operatorname{tg}\delta \leq 10 \times 10^{-4}$ at $25^{\circ}\text{C} \pm 5^{\circ}\text{C}, 1\text{KHz}$
绝缘电阻/Insulation resistance	$C \cdot R \geq 5000\Omega$, at 500V.DC, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$, 60s
工作温度范围/Operating temperature range	-40°C ~ 85°C
极间耐电压/Test voltage between terminals	1.5Un (10S, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$)
极壳耐电压/Test voltage between terminals and case	3000V.AC(10S, 50/60Hz, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$)
最高使用海拔/Max Altitude	2000m
预期寿命/Expected lifetime	100 000hrs @ $U_n, \theta_{hs} = 70^{\circ}\text{C}$
失效率/Failure rate	100FIT

■ 典型线路/Typical circuit



■ 预期寿命曲线/ Expected lifetime curve



■ 产品编码说明/Part number code system

▲ 18位产品代码如下：

▲ The 18 digits part number is formed as follow:

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

1~3位： 型号代码

Digit 1~3: Series code

4~6位： 标称容量

Digit 4~6: Rated capacitance value

如： $104=10\times10^4\text{PF}=0.1\mu\text{F}$

Example: $104=10\times10^4\text{PF}=0.1\mu\text{F}$

7~10位： 内部特征码

Digit 7~10: Internal use

11位： 容量偏差

Digit 11: Capacitance tolerance

$J=\pm 5\%$ 、 $K=\pm 10\%$ 、 $M=\pm 20\%$

$J=\pm 5\%$ 、 $K=\pm 10\%$ 、 $M=\pm 20\%$

12~13位： 额定电压

Digit 12~13: Rated voltage

25=630V、29=850V、3A=1000V

25=630V、29=850V、3A=1000V

3C=1200V、3H=1600V、3I=1700V

3C=1200V、3H=1600V、3I=1700V

3K=2000V、3N=2500V、3S=3000V

3K=2000V、3N=2500V、3S=3000V

14~16位： 引出端代码

Digit 14~16: Terminal code

14位 Digit 14		15位 Digit 15		16位 Digit 16	
代码 Code	电极 Electrode	代码 Code	脚型 Lead kinked	代码 Code	脚长偏差 Length tolerance
3	0.8CU	A	2引线	0	$L \pm 1.0\text{mm}$
4	1.0CU		4引线b=5.1mm		$L \pm 0.5\text{mm}$
5	1.2CU		4引线b=10.2mm		
			H		4引线b=20.3mm

17~18位： 脚长

Digit 17~18: Lead length

00=5.5mm, 38=3.8mm, 40=4.0mm

00=5.5mm, 38=3.8mm, 40=4.0mm

■ 标准品一览表 Standard size

静电容量 Cap(uF)	Outline size (mm)			P ±0.5	b ±0.5	d ±0.5	dv/dt (V/us)	ESR @100kHz (mΩ)	Irms @70°C/100KHZ (A)	Ls (nH)	Part number
	W	H	T								
Un: 630V.DC/700V.DC/420V.AC											
0.68	37.0	25.0	15.0	32.5	—	1.2	900	6.0	11	23	C53684**I*□255AA00
0.68	"	"	"	"	5.1	"	"	5.0	13	"	C53684**I*□255BA00
1.0	"	30.0	16.0	"	—	"	"	6.0	12	"	C53105**I*□255AA00
1.0	"	"	"	"	5.1	"	"	5.0	14	"	C53105**I*□255BA00
1.2	"	"	"	"	—	"	"	5.5	"	"	C53125**I*□255AA00
1.2	"	"	"	"	5.1	"	"	4.5	16	"	C53125**I*□255BA00
1.5	"	34.0	20.0	"	—	"	"	5.5	14	"	C53155**I*□255AA00
1.5	"	"	"	"	10.2	1.0	"	4.5	17	"	C53155**I*□254DA00
1.8	"	"	"	"	—	1.2	"	5.5	14	"	C53185**I*□255AA00
1.8	"	"	"	"	10.2	1.0	"	4.5	18	"	C53185**I*□254DA00
2.0	42.0	40.0	"	37.5	—	1.2	600	5.0	14	29	C53205**J*□255AA00
2.0	"	"	"	"	10.2	"	"	4.0	18	"	C53205**J*□254DA00
2.2	"	"	"	"	—	"	"	5.0	14	"	C53225**J*□255AA00
2.2	"	"	"	"	10.2	"	"	4.0	18.5	"	C53225**J*□255DA00
2.5	"	"	"	"	—	"	"	5.0	14	"	C53255**J*□255AA00
2.5	"	"	"	"	10.2	"	"	4.0	19	"	C53255**J*□255DA00
3.0	"	44.0	24.0	"	—	"	"	5.0	14	"	C53305**J*□255AA00
3.0	"	"	"	"	10.2	"	"	4.0	20	"	C53305**J*□255DA00
3.3	"	"	"	"	—	"	"	4.5	14	"	C53335**J*□255AA00
3.3	"	"	"	"	10.2	"	"	3.5	20	"	C53335**J*□255DA00
4.0	"	"	"	"	—	"	"	4.5	14	"	C53405**J*□255AA00
4.0	"	"	"	"	10.2	"	"	3.5	21	"	C53405**J*□255DA00
4.7	"	45.0	30.0	"	20.3	"	"	"	23	"	C53475**J*□255HA00
5.0	"	"	"	"	"	"	"	3.0	23.5	"	C53505**J*□255HA00
6.0	"	43.0	42.0	"	"	"	"	"	25	"	C53605**J*□255HA00
6.5	"	"	"	"	"	"	"	"	26	"	C53655**J*□255HA00
6.5	57.0	43.5	29.5	52.5	"	"	360	2.5	24	33	C53655**M*□255HA00
7.0	"	"	"	"	"	"	"	"	25	"	C53705**M*□255HA00
8.0	"	50.0	35.0	"	"	"	"	"	27	"	C53805**M*□255HA00
9.0	"	"	"	"	"	"	"	"	28	"	C53905**M*□255HA00

◆ 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

静电容量 Cap(uF)	Outline size (mm)			P ±0.5	b ±0.5	d ±0.5	dv/dt (V/us)	ESR @100kHz (mΩ)	Irms @70°C/100KHZ (A)	Ls (nH)	Part number
	W	H	T								
Un: 850V.DC/450V.AC											
0.47	37.0	25.0	15.0	32.5	-	1.2	1200	6.0	13	23	C53474**I*□295AA00
0.47	"	"	"	"	5.1	1.0	"	5.0	15	"	C53474**I*□294BA00
0.68	"	30.0	16.0	"	-	1.2	"	6.0	14	"	C53684**I*□295AA00
0.68	"	"	"	"	5.1	1.0	"	5.0	16	"	C53684**I*□294BA00
1.0	"	34.0	20.0	"	-	1.2	"	6.0	14	"	C53105**I*□295AA00
1.0	"	"	"	"	10.2	1.0	"	5.0	17	"	C53105**I*□294DA00
1.2	"	"	"	"	-	1.2	"	6.0	14	"	C53125**I*□295AA00
1.2	"	"	"	"	10.2	1.0	"	5.0	17.5	"	C53125**I*□294DA00
1.5	"	"	"	"	-	1.2	"	6.0	14	"	C53155**I*□295AA00
1.5	"	"	"	"	10.2	1.0	"	5.0	18	"	C53155**I*□294DA00
1.5	42.0	40.0	"	37.5	-	1.2	750	5.5	14	29	C53155**J*□295AA00
1.5	"	"	"	"	10.2	"	"	4.5	18.5	"	C53155**J*□295DA00
2.0	"	"	"	"	-	"	"	5.5	14	"	C53205**J*□295AA00
2.0	"	"	"	"	10.2	"	"	4.5	19	"	C53205**J*□295DA00
2.2	"	"	"	"	-	"	"	5.5	14	"	C53225**J*□295AA00
2.2	"	"	"	"	10.2	"	"	4.5	19.5	"	C53225**J*□295DA00
2.5	"	44.0	24.0	"	-	"	"	5.5	14	"	C53255**J*□295AA00
2.5	"			"	10.2	"	"	4.5	20	"	C53255**J*□295DA00
3.0	"			"	-	"	"	5.5	14	"	C53305**J*□295AA00
3.0	"			"	10.2	"	"	4.5	21	"	C53305**J*□295DA00
3.3	"	45.0	30.0	"	20.3	"	"	"	21.5	"	C53335**J*□295HA00
4.0	"	43.0	42.0	"	"	"	"	"	22	"	C53405**J*□295HA00
4.0	57.0	43.5	59.5	52.5	"	"	450	4.0	23	33	C53405**M*□295HA00
4.7	"	"	"	"	"	"	"	"	24.5	"	C53475**M*□295HA00
5.0	"	"	"	"	"	"	"	"	25	"	C53505**M*□295HA00
6.0	"	50.0	35.0	"	"	"	"	"	26	"	C53605**M*□295HA00
6.5	"	"	"	"	"	"	"	"	27	"	C53655**M*□295HA00

◆ 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

静电容量 Cap(uF)	Outline size (mm)			P ±0.5	b ±0.5	d ±0.5	dv/dt (V/us)	ESR @100kHz (mΩ)	Irms @70°C/100KHZ (A)	Ls (nH)	Part number
	W	H	T								
Un: 1000V.DC/500V.AC											
0.47	37.0	25.0	15.0	32.5	-	1.2	1300	6.0	12	23	C53474**I*□3A5AA00
0.47	"	"	"	"	5.1	1.0	"	5.0	14	"	C53474**I*□3A4BA00
0.68	"	30.0	16.0	"	-	1.2	"	6.0	13	"	C53684**I*□3A5AA00
0.68	"	"	"	"	5.1	1.0	"	5.0	15	"	C53684**I*□3A4BA00
0.82	"	"	"	"	-	1.2	"	6.0	14	"	C53824**I*□3A5AA00
0.82	"	"	"	"	5.1	1.0	"	5.0	16	"	C53824**I*□3A4BA00
1.0	"	34.0	20.0	"	-	1.2	"	5.5	14	"	C53105**I*□3A5AA00
1.0	"	"	"	"	10.2	1.0	"	4.5	17	"	C53105**I*□3A4DA00
1.2	"	"	"	"	-	1.2	"	5.5	14	"	C53125**I*□3A5AA00
1.2	"	"	"	"	10.2	1.0	"	4.5	17	"	C53125**I*□3A4DA00
1.2	42.0	40.0	"	37.5	-	1.2	850	5.5	14	29	C53125**J*□3A5AA00
1.2	"	"	"	"	10.2	"	"	4.5	16	"	C53125**J*□3A5DA00
1.5	"	"	"	"	-	"	"	5.5	14	"	C53155**J*□3A5AA00
1.5	"	"	"	"	10.2	"	"	4.5	16	"	C53155**J*□3A5DA00
2.0	"	44.0	24.0	"	-	"	"	5.5	14	"	C53205**J*□3A5AA00
2.0	"	"	"	"	10.2	"	"	4.5	17	"	C53205**J*□3A5DA00
2.2	"	"	"	"	-	"	"	5.0	14	"	C53225**J*□3A5AA00
2.2	"	"	"	"	10.2	"	"	4.0	20	"	C53225**J*□3A5DA00
2.5	"	45.0	30.0	"	20.3	"	"	"	21	"	C53255**J*□3A5HA00
3.0	"	"	"	"	"	"	"	"	21.5	"	C53305**J*□3A5HA00
3.3	"	43.0	42.0	"	"	"	"	"	22	"	C53335**J*□3A5HA00
3.3	57.0	43.5	29.5	52.5	"	"	500	"	20	33	C53335**M*□3A5HA00
4.0	"	"	"	"	"	"	"	"	21	"	C53405**M*□3A5HA00
4.7	"	"	"	"	"	"	"	"	22	"	C53475**M*□3A5HA00
5.0	"	"	"	"	"	"	"	"	23	"	C53505**M*□3A5HA00

◆ 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

静电容量 Cap(uF)	Outline size (mm)			P ±0.5	b ±0.5	d ±0.5	dv/dt (V/us)	ESR @100kHz (mΩ)	Irms @70°C/100KHZ (A)	Ls (nH)	Part number
	W	H	T								
Un: 1200V.DC/600V.AC											
0.33	37.0	25.0	15.0	32.5	-	1.2	1500	6.5	11.5	23	C53334**I*□3C5AA00
0.33	"	"	"	"	5.1	1.0	"	5.5	13.5	"	C53334**I*□3C4BA00
0.47	"	30.0	16.0	"	-	1.2	"	6.5	12	"	C53474**I*□3C5AA00
0.47	"	"	"	"	5.1	1.0	"	5.5	14	"	C53474**I*□3C4BA00
0.68	"	34.0	20.0	"	-	1.2	"	6.5	13	"	C53684**I*□3C5AA00
0.68	"	"	"	"	10.2	1.0	"	5.5	15	"	C53684**I*□3C4DA00
0.75	"	"	"	"	-	1.2	"	6.5	14	"	C53754**I*□3C5AA00
0.75	"	"	"	"	10.2	1.0	"	5.5	16	"	C53754**I*□3C4DA00
0.82	42.0	40.0	"	37.5	-	1.2	950	6.0	14	29	C53824**J*□3C5AA00
0.82	"	"	"	"	10.2	"	"	5.0	16	"	C53824**J*□3C5DA00
1.0	"	"	"	"	-	"	"	6.0	14	"	C53105**J*□3C5AA00
1.0	"	"	"	"	10.2	"	"	5.0	17	"	C53105**J*□3C5DA00
1.2	"	44.0	24.0	"	-	"	"	5.5	14	"	C53125**J*□3C5AA00
1.2	"	"	"	"	10.2	"	"	4.5	17	"	C53125**J*□3C5DA00
1.5	"	"	"	"	-	"	"	5.5	14	"	C53155**J*□3C5AA00
1.5	"	"	"	"	10.2	"	"	4.5	17.5	"	C53155**J*□3C5DA00
2.0	"	45.0	30.0	"	20.3	"	"	"	18	"	C53205**J*□3C5HA00
2.2	"	43.0	42.0	"	"	"	600	"	19	"	C53225**J*□3C5HA00
2.5	"	"	"	"	"	"	"	"	20	"	C53255**J*□3C5HA00
2.2	57.0	43.5	29.5	52.5	"	"	"	4.0	18	33	C53225**M*□3C5HA00
2.5	"	"	"	"	"	"	"	"	19	"	C53255**M*□3C5HA00
3.0	"	50.0	35.0	"	"	"	"	"	20	"	C53305**M*□3C5HA00
3.3	"	"	"	"	"	"	"	"	21	"	C53335**M*□3C5HA00
3.5	"	"	"	"	"	"	"	"	22	"	C53355**M*□3C5HA00

◆ 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

静电容量 Cap(uF)	Outline size (mm)			P ±0.5	b ±0.5	d ±0.5	dv/dt (V/us)	ESR @100kHz (mΩ)	Irms @70°C/100KHZ (A)	Ls (nH)	Part number
	W	H	T								
Un: 1600V.DC/650V.AC											
0.22	37.0	25.0	15.0	32.5	-	1.2	1900	7.5	11	23	C53224**I*□3H5AA00
0.22	"	"	"	"	5.1	1.0	"	6.5	13	"	C53224**I*□3H4BA00
0.33	"	30.0	16.0	"	-	1.2	"	7.5	11.5	"	C53334**I*□3H5AA00
0.33	"	"	"	"	5.1	1.0	"	6.5	13.5	"	C53334**I*□3H4BA00
0.39	"	33.0	18.0	"	-	1.2	"	7.0	12	"	C53394**I*□3H5AA00
0.39	"	"	"	"	5.1	1.0	"	6.0	14	"	C53394**I*□3H4BA00
0.47	"	34.0	20.0	"	-	1.2	"	7.0	13	"	C53474**I*□3H5AA00
0.47	"	"	"	"	10.2	1.0	"	6.0	15	"	C53474**I*□3H4DA00
0.68	42.0	40.0	"	37.5	-	1.2	1250	4.0	14	29	C53684**J*□3H5AA00
0.68	"	"	"	"	10.2	"	"	"	16	"	C53684**J*□3H5DA00
0.82	"	44.0	24.0	"	-	"	"	"	14	"	C53824**J*□3H5AA00
0.82	"	"	"	"	10.2	"	"	"	17	"	C53824**J*□3H5DA00
1.0	"	45.0	30.0	"	20.3	"	"	"	17.5	"	C53105**J*□3H5HA00
1.2	"	43.0	"	"	"	"	"	"	18	"	C53125**J*□3H5HA00
1.5	"	43.5	42.0	"	"	"	"	"	19	"	C53155**J*□3H5HA00
1.5	57.0	50.0	29.5	52.5	"	"	750	"	20	33	C53155**M*□3H5HA00
2.0	"	"	35.0	"	"	"	"	"	22	"	C53205**M*□3H5HA00
Un: 1700V.DC/675V.AC											
0.15	37.0	25.0	15.0	32.5	-	1.2	2000	8.5	10	23	C53154**I*□3I5AA00
0.15	"	"	"	"	5.1	1.0	"	7.5	12	"	C53154**I*□3I4BA00
0.22	"	30.0	16.0	"	-	1.2	"	"	11	"	C53224**I*□3I5AA00
0.22	"	"	"	"	5.1	1.0	"	6.5	13	"	C53224**I*□3I4BA00
0.33	"	34.0	20.0	"	-	1.2	"	7.0	11.5	"	C53334**I*□3I5AA00
0.33	"	"	"	"	10.2	1.0	"	6.0	13.5	"	C53334**I*□3I4DA00
0.39	"	"	"	"	-	1.2	"	7.0	12	"	C53394**I*□3I5AA00
0.39	"	"	"	"	10.2	1.0	"	6.0	14	"	C53394**I*□3I4DA00
0.47	42.0	36.0	24.0	37.5	-	1.2	1260	"	12	29	C53474**J*□3I5AA00
0.47	"	"	"	"	10.2	"	"	5.0	14	"	C53474**J*□3I5DA00
0.56	"	"	"	"	-	"	"	6.0	13	"	C53564**J*□3I5AA00
0.56	"	"	"	"	10.2	"	"	5.0	15	"	C53564**J*□3I5DA00
0.68	"	44.0	"	"	-	"	"	6.0	14	"	C53684**J*□3I5AA00
0.68	"	"	"	"	10.2	"	"	"	16	"	C53684**J*□3I5DA00
0.82	"	"	"	"	-	"	"	5.5	14	"	C53824**J*□3I5AA00
0.82	"	"	"	"	10.2	"	"	4.5	17	"	C53824**J*□3I5DA00
1.0	"	45.0	30.0	"	20.3	"	"	"	18	"	C53105**J*□3I5HA00
1.2	"	43.0	42.0	"	"	"	"	"	19	"	C53125**J*□3I5HA00
1.0	57.0	45.0	25.0	52.5	"	"	780	4.0	16	33	C53105**M*□3I5HA00
1.2	"	43.5	29.5	"	"	"	"	"	17	"	C53125**M*□3I5HA00
1.5	"	"	"	"	"	"	"	"	20	"	C53155**M*□3I5HA00
2.0	"	50.0	35.0	"	"	"	"	"	22	"	C53205**M*□3I5HA00

◆ 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

静电容量 Cap(uF)	Outline size (mm)			P ±0.5	b ±0.5	d ±0.5	dv/dt (V/us)	ESR @100kHz (mΩ)	Irms @70°C/100KHZ (A)	Ls (nH)	Part number
	W	H	T								
Un: 2000V.DC/700V.AC											
0.10	37.0	25.0	25.0	32.5	-	1.2	2241	9.5	10	23	C53104**I*□3K5AA00
0.10	"	"	"	"	5.1	1.0	"	8.5	12	"	C53104**I*□3K4BA00
0.15	"	"	"	"	-	1.2	"	9.5	11	"	C53154**I*□3K5AA00
0.15	"	"	"	"	5.1	1.0	"	8.5	13	"	C53154**I*□3K4BA00
0.22	"	30.0	16.0	"	-	1.2	"	7.5	11.5	"	C53224**I*□3K5AA00
0.22	"	"	"	"	5.1	1.0	"	6.5	13.5	"	C53224**I*□3K4BA00
0.33	"	34.0	20.0	"	-	1.2	"	7.5	12	"	C53334**I*□3K5AA00
0.33	"	"	"	"	10.2	1.0	"	6.5	14	"	C53334**I*□3K4DA00
0.47	42.0	40.0	"	37.5	-	1.2	1300	6.0	13	29	C53474**J*□3K5AA00
0.47	"	"	"	"	10.2	"	"	5.0	15	"	C53474**J*□3K5DA00
0.56	"	44.0	24.0	"	-	"	"	6.0	14	"	C53564**J*□3K5AA00
0.56	"	"	"	"	10.2	"	"	5.0	16	"	C53564**J*□3K5DA00
0.68	"	"	"	"	-	"	"	5.5	14	"	C53684**J*□3K5AA00
0.68	"	"	"	"	10.2	"	"	4.5	16.5	"	C53684**J*□3K5DA00
0.82	"	45.0	30.0	"	20.3	"	"	"	17	"	C53824**J*□3K5HA00
1.0	"	43.0	42.0	"	"	"	"	"	19	"	C53105**J*□3K5HA00
1.0	57.0	43.5	29.5	52.5	"	"	850	"	20	33	C53105**M*□3K5HA00
1.2	"	"	"	"	"	"	"	"	21	"	C53125**M*□3K5HA00
1.5	"	50.0	35.0	"	"	"	"	"	22	"	C53155**M*□3K5HA00
Un: 2500V.DC/725V.AC											
0.068	37.0	25.0	15.0	32.5	-	1.2	3230	10.0	10	23	C53683**I*□3N5AA00
0.068	"	"	"	"	5.1	1.0	"	9.0	12	"	C53683**I*□3N4BA00
0.10	"	30.0	16.0	"	-	1.2	"	10.0	11	"	C53104**I*□3N5AA00
0.10	"	"	"	"	5.1	1.0	"	9.0	13	"	C53104**I*□3N4BA00
0.15	"	34.0	20.0	"	-	1.2	"	9.5	12	"	C53154**I*□3N5AA00
0.15	"	"	"	"	10.2	1.0	"	8.5	14	"	C53154**I*□3N4DA00
0.18	"	"	"	"	-	1.2	"	9.0	13	"	C53184**I*□3N5AA00
0.18	"	"	"	"	10.2	1.0	"	8.0	15	"	C53184**I*□3N4DA00
0.22	42.0	40.0	"	37.5	-	1.2	2100	5.5	13	29	C53224**J*□3N5AA00
0.22	"	"	"	"	10.2	"	"	4.5	15	"	C53224**J*□3N5DA00
0.33	"	44.0	24.0	"	-	"	"	5.5	13	"	C53334**J*□3N5AA00
0.33	"	"	"	"	10.2	"	"	4.5	15.2	"	C53334**J*□3N5DA00
0.47	"	45.0	30.0	"	20.3	"	"	4.0	16	"	C53474**J*□3N5HA00
0.68	"	43.0	42.0	"	"	"	"	"	16.5	"	C53684**J*□3N5HA00
0.68	57.0	43.5	29.5	52.5	"	"	1200	"	17	33	C53684**M*□3N5HA00
1.0	"	50.0	35.0	"	"	"	"	"	17.5	"	C53105**M*□3N5HA00

◆ 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

静电容量 Cap(uF)	Outline size (mm)			P ±0.5	b ±0.5	d ±0.5	dv/dt (V/us)	ESR @100kHz (mΩ)	Irms @70°C/100KHZ (A)	Ls (nH)	Part number
	W	H	T								
Un: 3000V.DC/750V.AC											
0.047	37.0	25.0	15.0	32.5	-	1.2	3361	10.5	9	23	C53473**I*□3S5AA00
0.047	"	"	"	"	5.1	1.0	"	9.5	11	"	C53473**I*□3S4BA00
0.068	"	30.0	16.0	"	-	1.2	"	10.0	10	"	C53683**I*□3S5AA00
0.068	"	"	"	"	5.1	1.0	"	9.0	12	"	C53683**I*□3S4BA00
0.10	"	34.0	20.0	"	-	1.2	"	9.5	11	"	C53104**I*□3S5AA00
0.10	"	"	"	"	10.2	1.0	"	8.5	13	"	C53104**I*□3S4DA00
0.15	"	"	"	"	-	1.2	"	9.0	11.5	"	C53154**I*□3S5AA00
0.15	"	"	"	"	10.2	1.0	"	8.0	13.5	"	C53154**I*□3S4DA00
0.22	42.0	40.0	"	37.5	-	1.2	2050	7.0	12	29	C53224**J*□3S5AA00
0.22	"	"	"	"	10.2	"	"	6.0	14	"	C53224**J*□3S5DA00
0.33	"	45.0	30.0	"	20.3	"	"	5.5	14.5	"	C53334**J*□3S5HA00
0.47	"	43.0	42.0	"	"	"	"	5.0	16	"	C53474**J*□3S5HA00
0.47	57.0	43.5	29.5	52.5	"	"	1200	"	16.5	33	C53334**M*□3S5HA00
0.68	"	50.0	35.0	"	"	"	"	"	17	"	C53684**M*□3S5HA00
0.82	"	"	"	"	"	"	"	4.5	18	"	C53824**M*□3S5HA00

◆ 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

◆ 1.“**”、“*”表示内部特征码；“**”、“*”=Internal use

◆ 2. “□”表示容量偏差；“□”= Capacitance tolerance

C54 系列 SERIES

■ 外形图 Outline Drawing

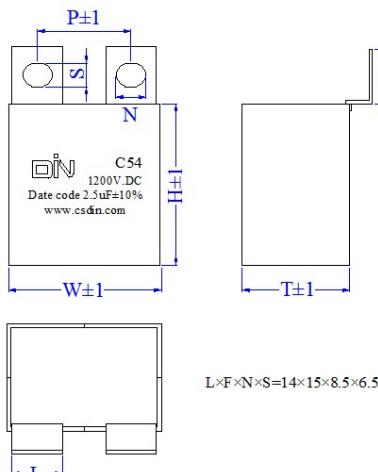


图1 (Style1)

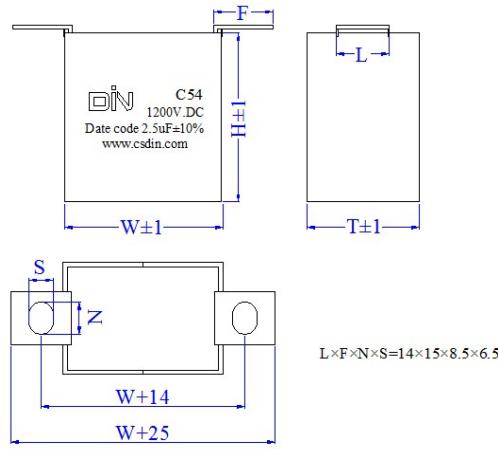
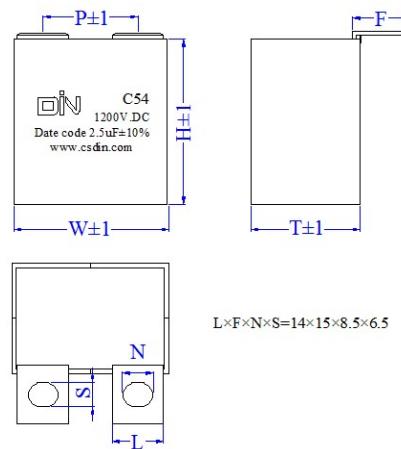


图2 (Style2)

图3 (Style3)

■ 特点

- 塑料外壳封装，阻燃（UL 94V-0 级）树脂灌封
- 等效串联电阻小，自感小
- 损耗小，内部温升小

■ 主要用途

- 高压脉冲，高频应用
- 适合作为IGBT的吸收电容

■ Features

- Plastic case, epoxy resin sealing (UL 94V-0)
- Low ESR, Low ESL
- Low loss and small inherent temperature rise

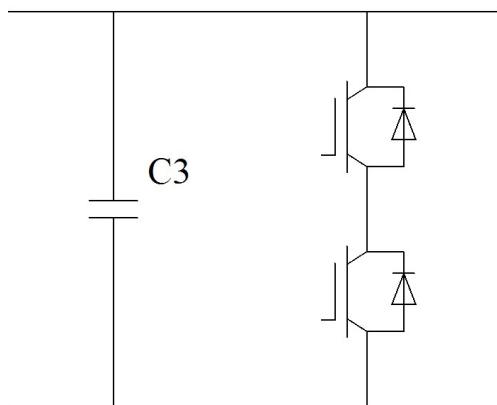
■ Typical application

- For high pulse and high frequency application
- Especially designed as snubber capacitor for IGBT

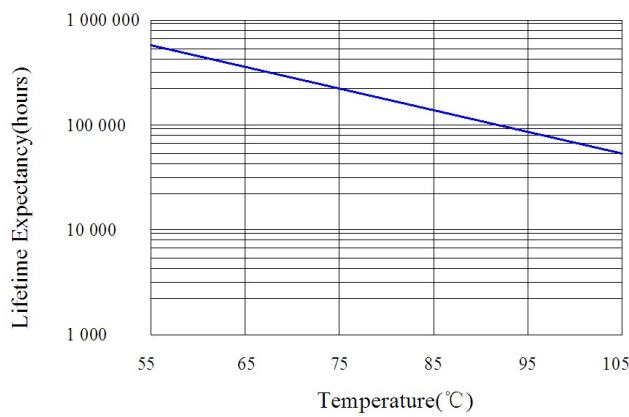
■ 技术参数 Technical Specifications

项目 Items	性能要求 Characteristics
引用标准/Reference standards	GB/T 17702 IEC 61071
容量范围/Capacitance	0.047μF ~9.0μF
额定电压/Rated Voltage	630V.DC~3000V.DC
容量偏差/Tolerance	±5% ±10%
损耗角正切/Dissipation factor	$\operatorname{tg}\delta \leq 10 \times 10^{-4}$ at $25^{\circ}\text{C} \pm 5^{\circ}\text{C}, 1\text{KHz}$
绝缘电阻/Insulation resistance	$C \cdot R \geq 5000\Omega$, at 500V.DC, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$, 60s
工作温度范围/Operating temperature range	-40°C ~ 85°C
极间耐电压/Test voltage between terminals	1.5Un (10S, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$)
极壳耐电压/Test voltage between terminals and case	3000V.AC(10S, 50/60Hz, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$)
最高使用海拔/Max Altitude	2000m
预期寿命/Expected lifetime	100 000hrs @ $U_n, \theta_{hs} = 70^{\circ}\text{C}$
失效率/Failure rate	100FIT

■ 典型线路/Typical circuit



■ 预期寿命曲线/ Expected lifetime curve



■ 产品编码说明/Part number code system

▲ 18位产品代码如下:

▲ The 18 digits part number is formed as follow:

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

1~3位: 型号代码

Digit 1~3: Series code

4~6位: 标称容量

Digit 4~6: Rated capacitance value

如: 104=10×10⁴PF=0.1uF

Example: 104=10×10⁴PF=0.1uF

7~10位: 内部特征码

Digit 7~10: Internal use

11位: 容量偏差

Digit 11: Capacitance tolerance

J=±5%、K=±10%、M=±20%

J=±5%、K=±10%、M=±20%

12~13位: 额定电压

Digit 12~13: Rated voltage

25=630V、29=850V、3A=1000V

25=630V、29=850V、3A=1000V

3C=1200V、3H=1600、3K=2000V

3C=1200V、3H=1600、3K=2000V

3N=2500V、3S=3000V

3N=2500V、3S=3000V

14~17位: 型体

Digit 14~17: Type

14位 Digit 14		15位 Digit 15		16、17位 Digit 16、17		
代码 Code	引出方式 Style of solder slice	代码 Code	插片类型 Specifications of solder slice	代码 Code	安装孔距 Distance of hole for fixing	
A	图1 (Style 1)	1	双折插片 Double fold (L*F*N*S) 14*15*8.5*6.5	20	20	6
B	图2 (Style 2)	2	单折插片 Single fold (L*F*N*S) 14*15*8.5*6.5	25	25	11
C	图3 (Style 3)			35	35	21
				40	40	26
				50	50	36
				54	54	40
				68	68	54

18位: 外壳宽带

Digit18: Width of case

3=37.5mm 4=42.5mm 5=57.5mm

3=37.5mm 4=42.5mm 5=57.5mm

■ 标准品一览表 Standard size

静电容量 Cap(uF)	Outline size (mm)			dv/dt (V/us)	I _A (A)	ESR @100kHz (mΩ)	Irms @70°C/100KHZ (A)	Ls (nH)	Part number
	W	H	T						
Un: 630V.DC/700V.DC/420V.AC									
0.68	37.0	25.0	15.0	900	612	5.0	13	23	C54684****□25+*--3
1.0	"	30.0	16.0	"	900	"	14	"	C54105****□25+*--3
1.2	"	"	"	"	1080	4.5	16	"	C54125****□25+*--3
1.5	"	34.0	20.0	"	1350	"	17	"	C54155****□25+*--3
1.8	"	"	"	"	1620	"	18	"	C54185****□25+*--3
2.0	42.0	40.0	20.0	600	1200	4.0	18	29	C54205****□25+*--4
2.2	"	"	"	"	1320	"	18.5	"	C54225****□25+*--4
2.5	"	"	"	"	1500	"	19	"	C54255****□25+*--4
3.0	"	44.0	24.0	"	1800	"	20	"	C54305****□25+*--4
3.3	"	"	"	"	1980	3.5	20	"	C54335****□25+*--4
4.0	"	"	"	"	2400	"	21	"	C54405****□25+*--4
4.7	"	45.0	30.0	"	2820	"	23	"	C54475****□25+*--4
5.0	"	"	"	"	3000	3.0	23.5	"	C54505****□25+*--4
6.0	"	43.0	42.0	"	3600	"	25	"	C54605****□25+*--4
6.5	"	"	"	"	3900	"	26	"	C54655****□25+*--4
6.5	57.0	45.0	30.0	360	2340	2.5	24	33	C54655****□25+*--5
7.0	"	"	"	"	2650	"	25	"	C54705****□25+*--5
8.0	"	50.0	35.0	"	2880	"	27	"	C54805****□25+*--5
9.0	"	"	"	"	3240	"	29	"	C54905****□25+*--5
Un: 850V.DC /450V.AC									
0.47	37.0	25.0	15.0	1200	564	5.0	15	23	C54474****□29+*--3
0.68	"	30.0	16.0	"	816	"	16	"	C54684****□29+*--3
1.0	"	34.0	20.0	"	1200	"	17	"	C54105****□29+*--3
1.2	"	"	"	"	1440	"	17.5	"	C54125****□29+*--3
1.5	"	"	"	"	1800	"	18	"	C54155****□29+*--3
1.5	42.0	40.0	"	750	1125	4.5	18.5	29	C54155****□29+*--4
2.0	"	"	"	"	1500	"	19	"	C54205****□29+*--4
2.2	"	"	"	"	1650	"	19.5	"	C54225****□29+*--4
2.5	"	44.0	24.0	"	1875	"	20	"	C54255****□29+*--4
3.0	"	"	"	"	2250	"	21	"	C54305****□29+*--4
3.3	"	45.0	30.0	"	2475	"	21.5	"	C54335****□29+*--4
4.0	"	43.0	42.0	"	3000	"	22	"	C54405****□29+*--4
4.0	57.0	45.0	30.0	450	1800	4.0	23	33	C54405****□29+*--5
4.7	"	"	"	"	2115	"	24.5	"	C54475****□29+*--5
5.0	"	"	"	"	2250	"	25	"	C54505****□29+*--5
6.0	"	50.0	35.0	"	2700	"	26	"	C54605****□29+*--5
6.5	"	"	"	"	2925	"	27	"	C54655****□29+*--5

◆ 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

静电容量 Cap(uF)	Outline size (mm)			dv/dt (V/us)	I _A (A)	ESR @100kHz (mΩ)	Irms @70°C/100KHZ (A)	Ls (nH)	Part number
	W	H	T						
Un: 1000V.DC/500V.AC									
0.47	37.0	25.0	15.0	1300	611	5.0	14	23	C54474**I*□3A+*--3
0.47	32.0	29.0	19.0	2200	1034	4.0	21	15	C54474**H*□3A+*--3
0.68	37.0	30.0	16.0	1300	884	5.0	15	23	C54684****□3A+*--3
0.82	"	"	"	"	1066	"	16	"	C54824****□3A+*--3
1.0	"	34.0	20.0	"	1300	4.5	17	"	C54105****□3A+*--3
1.2	"	"	"	"	1560	"	"	"	C54125****□3A+*--3
1.2	42.0	40.0	20.0	850	1020	"	16	29	C54125****□3A+*--4
1.5	"	"	"	"	1275	"	"	"	C54155****□3A+*--4
2	"	44.0	24.0	"	1700	"	17	"	C54205****□3A+*--4
2.2	"	"	"	"	1870	4.0	20	"	C54225****□3A+*--4
2.5	"	45.0	30.0	"	2125	"	21	"	C54255****□3A+*--4
3.0	"	"	"	"	2550	"	21.5	"	C54305****□3A+*--4
3.3	"	43.0	42.0	"	2805	"	22	"	C54335****□3A+*--4
3.3	57.0	45.0	30.0	500	1650	"	20	33	C54335****□3A+*--5
4.0	"	"	"	"	2000	"	21	"	C54405****□3A+*--5
4.7	"	50.0	35.0	"	2350	"	22	"	C54475****□3A+*--5
5.0	"	"	"	"	2500	"	23	"	C54505****□3A+*--5
Un: 1200V.DC /600V.AC									
0.33	37.0	25.0	15.0	1500	495	4.5	15	23	C54334****□3C+*--3
0.47	"	30.0	16.0	"	705	"	16	"	C54474****□3C+*--3
0.68	"	34.0	20.0	"	1020	"	17	"	C54684****□3C+*--3
0.75	"	"	"	"	1125	"	18	"	C54754****□3C+*--3
0.82	42.0	40.0	"	950	779	4.0	"	29	C54824****□3C+*--4
1.0	"	"	"	"	950	"	19	"	C54105****□3C+*--4
1.2	"	44.0	24.0	"	1140	"	19	"	C54125****□3C+*--4
1.5	"	"	"	"	1425	"	19.5	"	C54155****□3C+*--4
2.0	"	45.0	30.0	"	1900	"	20	"	C54205****□3C+*--4
2.2	"	43.0	42.0	"	2090	"	21	"	C54225****□3C+*--4
2.5	"	"	"	"	2375	"	22	"	C54255****□3C+*--4
2.2	57.0	45.0	30.0	600	1320	3.8	20	33	C54225****□3C+*--5
2.5	"	"	"	"	1500	"	21	"	C54255****□3C+*--5
3.0	"	"	"	"	1800	"	22	"	C54305****□3C+*--5
3.3	"	50.0	35.0	"	1980	"	23	"	C54335****□3C+*--5
4.0	"	"	"	"	2400	"	24	"	C54405****□3C+*--5

◆ 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

静电容量 Cap(uF)	Outline size (mm)			dv/dt (V/us)	I _A (A)	ESR @100kHz (mΩ)	Irms @70°C/100KHZ (A)	Ls (nH)	Part number
	W	H	T						
Un: 1600V.DC/650V.AC									
0.22	37.0	25.0	15.0	1900	418	6.0	15	23	C54224****□3H+*--3
0.33	"	30.0	16.0	"	617	"	15.5	"	C54334****□3H+*--3
0.39	"	34.0	20.0	"	741	5.5	16	"	C54394****□3H+*--3
0.47	"	"	"	"	896	"	17	"	C54474****□3H+*--3
0.68	42.0	40.0	"	1250	850	4.0	18	29	C54684****□3H+*--4
0.82	"	44.0	24.0	"	1025	"	19	"	C54824****□3H+*--4
1.0	"	45.0	30.0	"	1250	"	19.5	"	C54105****□3H+*--4
1.2	"	"	"	"	1500	"	20	"	C54125****□3H+*--4
1.5	"	43.0	42.0	"	1875	"	21	"	C54155****□3H+*--4
1.5	57.0	45.0	30.0	750	1125	3.5	22	33	C54155****□3H+*--5
2.0	"	50.0	35.0	"	1500	"	24	"	C54205****□3H+*--5
Un: 1700V.DC/675V.AC									
0.15	37.0	25.0	15.0	2000	300	7.0	14	23	C54154****□3I+*--3
0.22	"	30.0	16.0	"	440	6.0	15	"	C54224****□3I+*--3
0.33	"	34.0	20.0	"	660	5.5	15.5	"	C54334****□3I+*--3
0.39	"	"	"	"	780	5.5	16	"	C54394****□3I+*--3
0.47	42.0	36.0	24.0	1260	592	4.0	16	29	C54474****□3I+*--4
0.56	"	"	"	"	706	"	17	"	C54564****□3I+*--4
0.68	"	44.0	"	"	857	3.5	18	"	C54684****□3I+*--4
0.82	"	"	"	"	1033	"	19	"	C54824****□3I+*--4
1.0	"	45.0	30.0	"	1260	"	20	"	C54105****□3I+*--4
1.2	"	43.0	42.0	"	1512	"	21	"	C54125****□3I+*--4
1.0	57.0	45.0	25.0	780	780	"	18	33	C54105****□3I+*--5
1.2	"	43.5	29.5	"	936	"	19	"	C54125****□3I+*--5
1.5	"	50.0	35.0	"	1170	"	22	"	C54155****□3I+*--5
2.0	"	"	"	"	1560	3.0	24	"	C54205****□3I+*--5
3.0	"	55.0	45.0	"	2340	"	28	"	C54305****□3I+*--5

◆ 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

静电容量 Cap(uF)	Outline size (mm)			dv/dt (V/us)	I _A (A)	ESR @100kHz (mΩ)	Irms @70°C/100KHZ (A)	Ls (nH)	Part number
	W	H	T						
Un: 2000V.DC/700V.AC									
0.10	37.0	25.0	15.0	2241	224	8.0	14	23	C54104****□3K+*--3
0.15	“	“	“	“	336	8.0	15	“	C54154****□3K+*--3
0.22	“	30.0	16.0	“	493	6.0	15.5	“	C54224****□3K+*--3
0.33	“	34.0	20.0	“	740	6.0	16	“	C54334****□3K+*--3
0.47	42.0	40.0	20.0	1300	611	4.0	17	29	C54474****□3K+*--4
0.56	“	44.0	24.0	“	728	4.0	18	“	C54564****□3K+*--4
0.68	“	“	“	“	884	3.5	18.5	“	C54684****□3K+*--4
0.82	“	45.0	30.0	“	1066	3.5	19	“	C54824****□3K+*--4
1.0	“	43.0	42.0	“	1300	3.5	21	“	C54105****□3K+*--4
1.0	57.0	45.0	30.0	850	850	4.0	24	33	C54105****□3K+*--5
1.2	“	“	“	“	1020	4.0	23	“	C54125****□3K+*--5
1.5	“	50.0	35.0	“	1275	4.0	24	“	C54155****□3K+*--5
Un: 2500V.DC/725V.AC									
0.068	37.0	25.0	15.0	3230	220	8.5	14	23	C54683****□3N+*--3
0.10	“	30.0	16.0	“	323	“	15	“	C54104****□3N+*--3
0.15	“	34.0	20.0	“	485	8.0	16	“	C54154****□3N+*--3
0.18	“	“	“	“	581	7.5	17	“	C54184****□3N+*--3
0.22	42.0	40.0	“	2100	462	4.0	“	29	C54224****□3N+*--4
0.33	“	44.0	24.0	“	693	“	17.5	“	C54334****□3N+*--4
0.47	“	45.0	30.0	“	987	3.5	18	“	C54474****□3N+*--4
0.68	“	43.0	42.0	“	1428	“	18.5	“	C54684****□3N+*--4
0.68	57.0	45.0	30.0	1200	816	“	19	33	C54684****□3N+*--5
1.0	“	50.0	35.0	“	1200	“	18.5	“	C54105****□3N+*--5
Un: 3000V.DC/750V.AC									
0.047	37.0	25.0	15.0	3361	158	8.5	13	23	C54473****□3S+*--3
0.068	“	30.0	16.0	“	229	8.0	14	“	C54683****□3S+*--3
0.10	“	34.0	20.0	“	336	7.5	15	“	C54104****□3S+*--3
0.15	“	“	“	“	504	7.0	15.5	“	C54154****□3S+*--3
0.22	42.0	40.0	“	2050	451	5.0	16	29	C54224****□3S+*--4
0.33	“	45.0	30.0	“	677	4.5	16.5	“	C54334****□3S+*--4
0.47	“	43.0	42.0	“	964	4.0	18	“	C54474****□3S+*--4
0.47	57.0	45.0	30.0	1200	564	“	18.5	33	C54474****□3S+*--5
0.68	“	50.0	35.0	“	816	“	19	“	C54684****□3S+*--5
0.82	“	“	“	“	984	3.5	20	“	C54824****□3S+*--5

◆ 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

◆ 1.“****”表示内部特征码；“****”=Internal use

◆ 2.“□”表示容量偏差；“□”= Capacitance tolerance

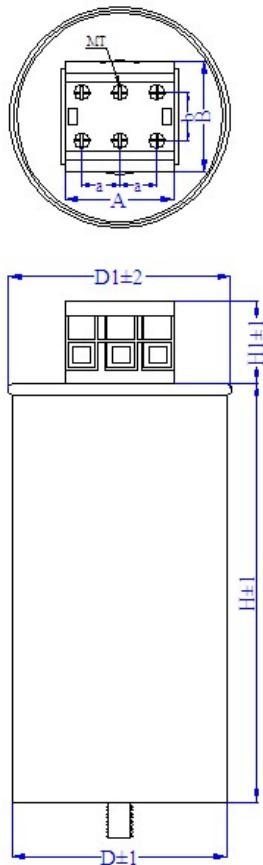
◆ 3.“+”表示引出方式；“+”= Style of solder slice

◆ 4.“*”表示引出端型体；“*”= Specifications of terminals

◆ 5.“—”表示脚距；“—”= Pitch

C71 系列 SERIES

■ 外形图 Outline Drawing



■ 特点

- 自愈
- 金属化聚丙烯薄膜结构
- 防爆设计，过压力保护更安全

■ Features

- Self-healing
- Metallized Polypropylene film
- Anti-explosion design, overpressure tear-off fuse more safety

■ 主要用途

- 适用于三相功率因数校正、LCL滤波

■ Typical application

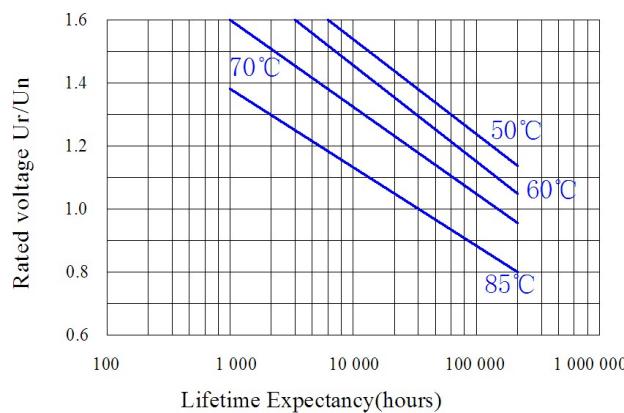
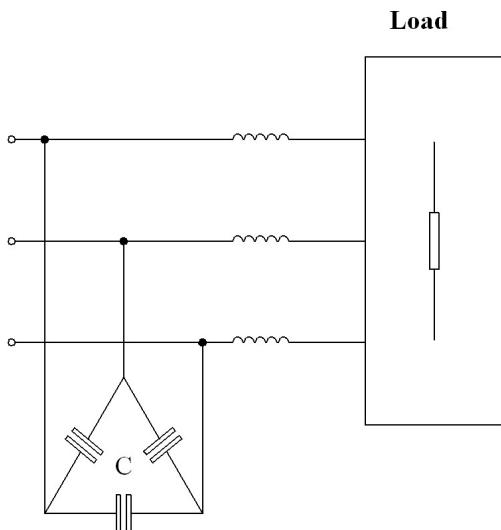
- Suitable for power factor correction and LCL filter

■ 技术参数 Technical Specifications

项目 Items	性能要求 Characteristics	
引用标准/Reference standards	GB/T 17702 IEC 61071	
容量范围/Capacitance	8μF ~330μF	
额定电压/Rated Voltage	240V.AC~850V.AC	
容量偏差/Tolerance	±5% -5%~+10%	
损耗角正切/Dissipation factor	$\operatorname{tg}\delta \leq 2 \times 10^{-4}$ at $25^{\circ}\text{C} \pm 5^{\circ}\text{C}, 50/60\text{Hz}$	
绝缘电阻/Insulation resistance	$\text{C} \cdot \text{R} \geq 5000\text{S}$, at 100V.DC, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}, 60\text{s}$	
工作温度范围/Operating temperature range	-40°C ~ 70°C	
极间耐电压/Test voltage between terminals	1.5Un (10S, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$)	
极壳耐电压/Test voltage between terminals and case	3000V.AC(10S, 50/60Hz, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$)	
过电压/Over voltage	1.1 Un	8 hrs/day
	1.15 Un	30 min/day
	1.2 Un	5 min/day for 1min during life 200 times
	1.3 Un	1min/day for 1min during life 200 times
最大安装扭矩/ Max. Torque of Installation	10Nm	
最大电极扭矩/Max. Torque of terminals	M5:2.0Nm	M6:3.0Nm
最高使用海拔/Max Altitude	2000m	
预期寿命/Expected lifetime	$ \Delta C/C \leq 5\%$ after 100 000hrs under rated conditions @ 50°C	
电容内部连接方式/Capacitance internal connection	Connect triangle \triangle	
内部填充料/Internal stuffing	Oil(Non PCB)	

■ 典型线路/Typical circuit

■ 预期寿命曲线/ Expected lifetime curve



■ 产品编码说明/Part number code system

▲ 18位产品代码如下:

▲ The 18 digits part number is formed as follow:

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

1~3位: 型号代码

Digit 1~3: Series code

4~6位: 标称容量

Digit 4~6: Rated capacitance value

如: 104=10×10⁴PF=0.1uF

Example: 104=10×10⁴PF=0.1uF

7~10位: 内部特征码

Digit 7~10: Internal use

11位: 容量偏差

Digit 11: Capacitance tolerance

J=±5%、K=±10%、M=±20%

J=±5%、K=±10%、M=±20%

12~13位: 额定均方根电压

Digit 12~13: Rated RMS voltage

M2=240VAC、X2=450VAC

M2=240VAC、X2=450VAC

Z2=550VAC、62=700VAC

Z2=550VAC、62=700VAC

72=750VAC

72=750VAC

14~17位: 外形尺寸代码

Digit 14~17: Dimension code

14位 Digit 14		15位 Digit 15		16位 Digit 16		17位 Digit 17	
代码 Code	直径 Diameter	代码 Code	高度 Height	代码 Code	电阻 Resister	代码 Code	引出端规格 Specifications of terminals
7	76	D	140	Y	Yse	p	插销 Plug bolt
8	86	F	170	N	No		
9	96	G	200				
A	106	H	230				
B	116						
C	136						

18位: 安装形式

Digit 18: Fix style

F=平底 S=M12*16 螺杆 T=M16*25 螺杆

F=Flat S=M12*16Male T=M16*25Male

■ 标准品一览表 Standard size

静电容量 Cap(uF)	Outline size (mm)		Rs (mΩ)	Ls (nH)	R _{th} (°C/W)	Imax (A)	I _K (KA)	I _S (KA)	Weight (kg)	Part number
	ΦD	H								
Urms: 240V.AC										
3*84	76	200	3*1.5	100	4.5	3*34	1.6	4.8	1.1	C71846****□M27G+PO
3*105	76	230	3*1.6	120	4.0	3*36	1.5	4.5	1.2	C71107****□M27H+PO
3*160	86	230	3*1.2	120	3.5	3*43	2.3	6.9	1.6	C71167****□M28H+PO
3*250	116	200	3*0.8	110	3.1	3*53	3.0	9.0	2.4	C71257****□M2BG+PO
3*330	116	230	3*0.9	130	2.7	3*54	4.8	14.3	2.8	C71337****□M2BH+PO
Urms: 450V.AC										
3*13	76	140	3*1.8	100	6.2	3*22	0.8	2.5	0.9	C71136****□X27D+PO
3*16.5	"	"	3*1.5	"	5.6	3*25	1.1	3.2	0.9	C7116E****□X27D+PO
3*26.5	"	200	3*2.3	"	4.4	3*25	0.8	2.3	1.2	C7126E****□X27G+PO
3*33	"	"	3*1.9	"	4.0	3*28	1.0	2.9	1.2	C71336****□X27G+PO
3*50	86	"	3*1.4	110	3.4	3*34	1.5	4.4	1.4	C71506****□X28G+PO
3*66	"	230	3*1.5	120	2.9	3*36	1.4	4.3	1.7	C71666****□X28H+PO
3*83	116	200	3*1.1	110	3.1	3*40	2.4	7.2	2.4	C71836****□X2BG+PO
3*100	"	"	3*1.0	"	2.8	3*43	2.9	8.7	2.4	C71107****□X2BG+PO
3*133	136	"	3*0.9	120	2.5	3*46	3.9	11.6	3.3	C71137****□X2CG+PO
3*154	"	"	3*0.8	"	2.3	3*48	4.0	12.0	3.3	C71157****□X2CG+PO
3*170	"	230	3*0.9	130	2.2	3*45	4.5	13.4	3.8	C71177****□X2CH+PO
Urms: 550V.AC										
3*19	76	170	3*1.0	110	5.1	3*32	1.0	2.9	1.0	C71196****□Z27F+PO
3*23	86	"	3*0.9	"	4.8	3*35	1.2	3.6	1.2	C71236****□Z28F+PO
3*39	96	200	3*0.9	"	3.9	3*40	1.4	4.3	1.7	C71396****□Z29G+PO
3*48	"	230	3*1.0	120	3.5	3*42	1.3	4.0	1.9	C71486****□Z29H+PO
3*96	136	"	3*0.8	130	2.8	3*47	2.6	7.9	3.8	C71966****□Z2CH+PO
Urms: 700V.AC										
3*33.5	116	170	3*0.8	110	3.5	3*42	1.6	4.9	2.2	C7133E****□62BF+PO
3*38	"	200	3*0.8	"	"	3*40	1.3	3.9	2.4	C71386****□62BG+PO
Urms: 750V.AC/850V.AC										
3*8	76	170	3*1.3	110	5.6	3*24	0.6	1.7	1.0	C71805****□727F+PO
3*10	86	"	3*1.1	"	5.2	3*27	0.7	2.0	1.0	C71106****□728F+PO
3*12	"	"	3*1.0	"	4.8	3*29	0.9	2.6	1.0	C71126****□728F+PO
3*17	106	"	3*0.9	"	4.3	3*34	1.1	3.4	1.7	C71176****□72AF+PO
3*23	86	230	3*1.1	120	3.4	3*37	0.9	2.7	1.6	C71236****□728H+PO
3*28	106	"	3*1.0	130	3.3	3*38	1.0	3.0	2.2	C71286****□72AH+PO
3*33	"	"	3*1.0	"	3.0	3*41	1.2	3.5	2.3	C71336****□72AH+PO
3*38	116	"	3*0.9	"	2.9	3*42	1.4	4.1	2.8	C71386****□72BH+PO
3*49	136	"	3*0.9	"	2.7	3*43	1.9	5.7	3.7	C71496****□72CH+PO
3*55.8	"	"	3*0.8	"	2.5	3*45	2.2	6.5	3.8	C7155H****□72CH+PO

◆ 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

◆ 1.“****”表示内部特征码；“****”=Internal use

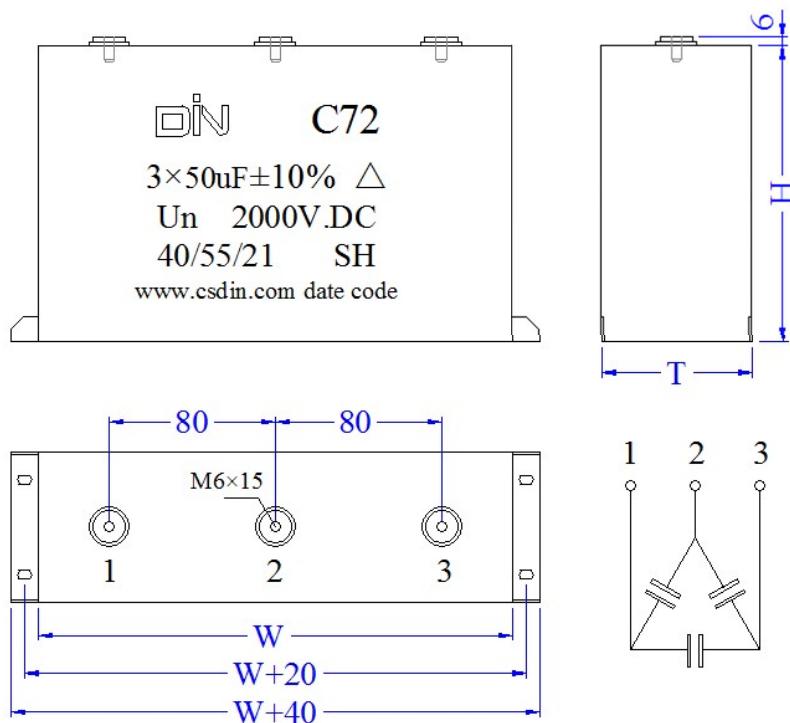
◆ 2.“□”表示容量偏差；“□”= Capacitance tolerance

◆ 3.“+”表示是否装配放电电阻；“+”=Wher has Resister

◆ 4.“○”表示安装形式；“○”= Fix style

C72 系列 SERIES

■ 外形图 Outline Drawing



■ 特点

- 高纹波电流，高 dv/dt 承受能力
- 耐压高，具有自愈性
- 容量大、体积小

■ Features

- High ripple current, high dv/dt withstand capability
- Resistance to high voltage, with self-healing
- Large capacity, small size

■ 主要用途

- 在大功率UPS，开关电源，变频器等设备中作交流滤波，治理谐波及提高功率因数。

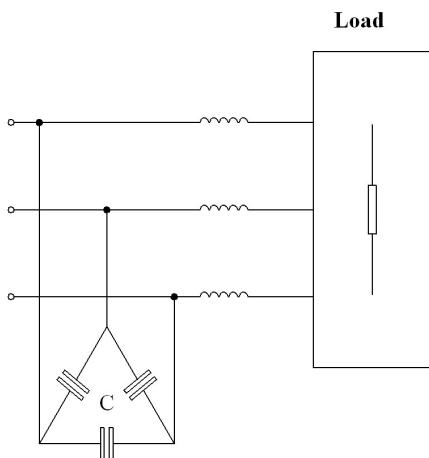
■ Typical application

- In the high-power UPS, switching power supply, inverter and other equipment for the AC filter, harmonics and improve power factor control;

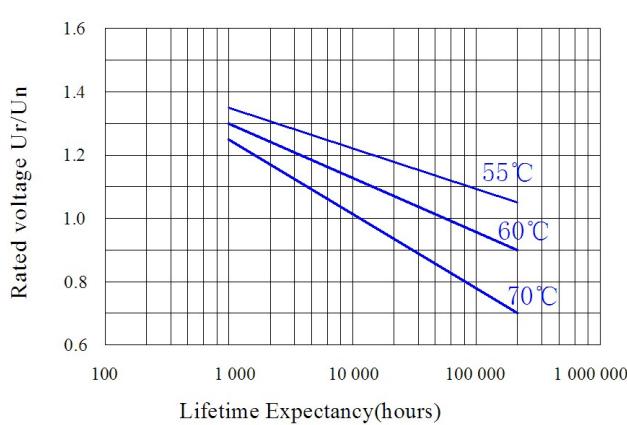
■ 技术参数 Technical Specifications

项目 Items	性能要求 Characteristics	
引用标准/Reference standards	GB/T 17702 IEC 61071	
容量范围/Capacitance	$3 \times 40\mu\text{F} \sim 3 \times 500\mu\text{F}$	
额定电压/Rated Voltage	400V.AC ~ 1140V.AC 50/60HZ	
容量偏差/Tolerance	$\pm 5\%$	
损耗角正切/Dissipation factor	$\text{tg}\delta \leq 20 \times 10^{-4}$ at $25^\circ\text{C} \pm 5^\circ\text{C}, 100\text{Hz}$	
绝缘电阻/Insulation resistance	(内置放电电阻)Measuring	
工作温度范围/Operating temperature range	$-40^\circ\text{C} \sim 85^\circ\text{C}$	
极间耐电压/Test voltage between terminals	1.5Un (10S, 25°C ± 5°C)	
极壳耐电压/Test voltage between terminals and case	3000V.AC(10S, 50/60Hz, 25°C ± 5°C)	
过电压/Over voltage	1.1 Un	8 hrs/day
	1.15 Un	30 min/day
	1.2 Un	5 min/day for 1min during life 200 times
	1.3 Un	1 min/day for 1min during life 200 times
最大安装扭矩/Max. Torque of Installation	10Nm	
最大电极扭矩/Max. Torque of terminals	M6:3.0Nm	
最高使用海拔/Max Altitude	2000m	
预期寿命/Expected lifetime	$ \Delta C/C \leq 3\% \text{ after } 100,000\text{hrs under rated conditions @ } 50^\circ\text{C}$	

■ 典型线路/Typical circuit



■ 预期寿命曲线/ Expected lifetime curve



■ 产品编码说明/Part number code system

▲ 18位产品代码如下:

▲ The 18 digits part number is formed as follow:

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

1~3位: 型号代码

Digit 1~3: Series code

4~6位: 标称容量

Digit 4~6: Rated capacitance value

如: 104=10×10⁴PF=0.1uF

Example: 104=10×10⁴PF=0.1uF

7~10位: 内部特征码

Digit 7~10: Internal use

11位: 容量偏差

Digit 11: Capacitance tolerance

J=±5%、K=±10%、M=±20%

J=±5%、K=±10%、M=±20%

12~13位: 额定均方根电压

Digit 12~13: Rated RMS voltage

Y2=500VAC、62=690VAC

Y2=500VAC、62=690VAC

14位: 连接方式

Digit 14: Connection mode

A=三角形、B=Y形

A=△、B=Y

15~17位: 引出端代码

Digit 15~17: Terminal code

15位 Digit 15		16位 Digit 16		17位 Digit 17	
代码 Code	引出端规格 Specifications of terminals	代码 Code	引出端数量 Number of terminals	代码 Code	脚距 Pitch
B	螺母M6*15*10	2	2	8	80mm
C	螺母M8*15*10	3	3	9	90mm
E	螺杆M6*15*20	4	4	A	120mm
F	螺杆M8*15*20	B	150mm
G	螺杆M12*15*20				

18位: 外壳材质

Digit 18: Shell material

S=不锈钢外壳、I=铁外壳

S= Stainless steel、I= Iron

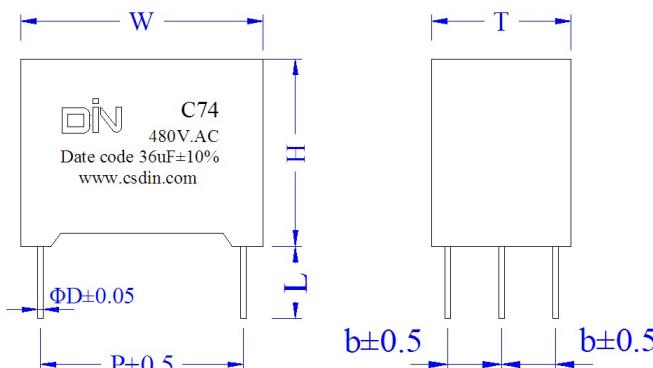
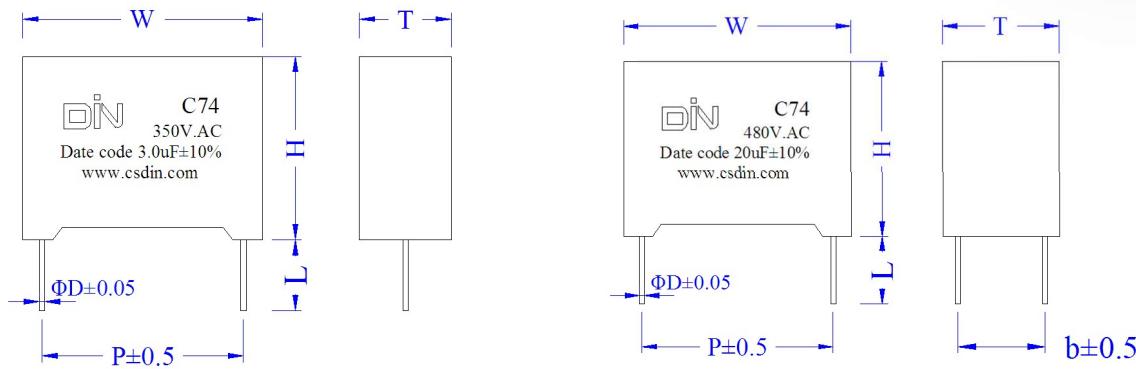
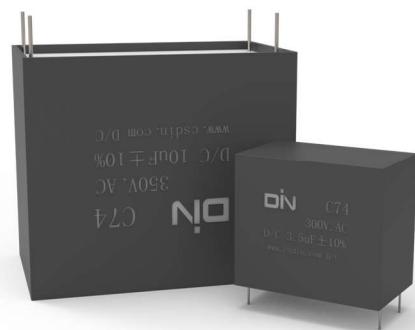
■ 标准品一览表 Standard size

静电 容量 Cap(uF)	Outline size (mm)			Imax (A)	50HZ		60HZ		Weight (kg)	Part number
	W	H	T		Output (kvar)	In (A)	Output (kvar)	In (A)		
Urms: 500V.AC										
50×3	230	169	71	21×3	11.7	13.6×3	14.1	16.2×3	3.0	C72506****□Y2A*△—S
66×3	“	200	“	28×3	15.5	17.9×3	18.7	21.5×3	3.5	C72666****□Y2A*△—S
75×3	“	210	“	28×3	17.6	20.4×3	21.2	24.5×3	“	C72756****□Y2A*△—S
Urms: 690V.AC										
15×3	230	169	71	10×3	6.7	5.6×3	8.0	6.7×3	3.0	C72156****□62A*△—S
20×3	“	200	“	14×3	8.9	7.5×3	10.7	9.0×3	3.5	C72206****□Y2A*△—S
22×3	“	210	“	15×3	9.8	8.2×3	11.8	9.9×3	“	C72226****□Y2A*△—S

- ◆ 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
- ◆ 1.“****”表示内部特征码; “****”=Internal use
- ◆ 2. “□”表示容量偏差; “□”= Capacitance tolerance
- ◆ 3. “*”表示引出端型体; “*”= Specifications of terminals
- ◆ 4. “△”表示端子数量; “△”= Number of terminals
- ◆ 5. “—”表示脚距; “—”= Pitch

C74 系列 SERIES

■ 外形图 Outline Drawing



W(mm)	P1(mm)	P2(mm)	
		4 leads	6 leads
42.5	37.5	20.3	10.2
57.5	52.5	20.3	10.2

■ 特点

- 高纹波电流，高 dv/dt 承受能力
- 耐压高，具有自愈性
- 自感小、等效串联电阻小

■ 主要用途

- 适用于小功率交流输出滤波电路，如：UPS、太阳能光伏DC/AC逆变器中的LCL滤波

■ Features

- High ripple current, high dv/dt withstand capability
- Resistance to high voltage, with self-healing
- Low ESL and ESR

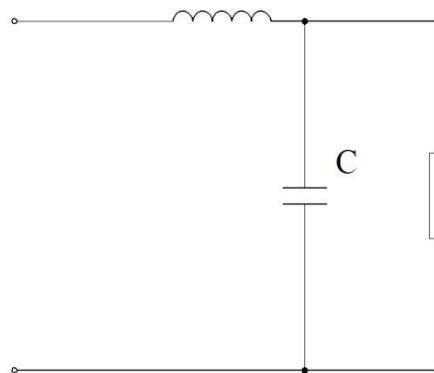
■ Typical application

- Suitable for small power AC output filter ,i. e UPS, Solar Photovoltaic DC/AC inverter with LCL filter

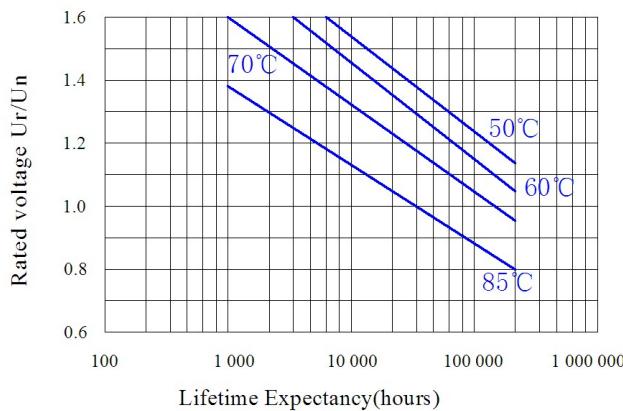
■ 技术参数 Technical Specifications

项目 Items	性能要求 Characteristics			
引用标准/Reference standards	GB/T 17702 IEC 61071			
容量范围/Capacitance	4.0μF ~ 60μF	4.0μF ~ 60μF	4.0μF ~ 60μF	4.0μF ~ 60μF
额定电压/Rated Voltage	250V.AC	350V.AC	425V.AC	480V.AC
额定均方根电压/Rated RMS Voltage(Urms)	180V.AC	250V.AC	300V.AC	350V.AC
最大连续直流电压/Maximum continuous DC Voltage	300V.DC	475V.DC	560V.DC	600V.DC
容量偏差/Tolerance	±5% ±10%			
损耗角正切/Dissipation factor	$\operatorname{tg}\delta \leq 20 \times 10^{-4}$ at $25^{\circ}\text{C} \pm 5^{\circ}\text{C}, 1\text{KHz}$			
绝缘电阻/Insulation resistance	$C \cdot R \geq 5000\text{S}$, at 100V.DC, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$, 60s			
工作温度范围/Operating temperature range	$-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$			
极间耐电压/Test voltage between terminals	1.5Un (10S, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$)			
极壳耐电压/Test voltage between terminals and case	3000V.AC(10S, 50/60Hz, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$)			
最高使用海拔/Max Altitude	2000m			

■ 典型线路/Typical circuit



■ 预期寿命曲线/ Expected lifetime curve



■ 产品编码说明/Part number code system

▲ 18位产品代码如下:

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Digit 4~6: Rated capacitance value

如: 104=10×10⁴PF=0.1uF

Example: 104=10×10⁴PF=0.1uF

7~10位: 内部特征码

Digit 7~10: Internal use

11位: 容量偏差

Digit 11: Capacitance tolerance

J=±5%、K=±10%、M=±20%

J=±5%、K=±10%、M=±20%

12~13位: 额定均方根电压

Digit 12~13: Rated RMS voltage

J2=180VAC、N2=250VAC

J2=180VAC、N2=250VAC

S2=300VAC、U2=350VAC

S2=300VAC、U2=350VAC

14~16位: 引出端代码

Digit 14~16: Terminal code

14位 Digit 14		15位 Digit 15		16位 Digit 16	
代码 Code	电极 Electrode	代码 Code	脚型 Lead kinked	代码 Code	脚长偏差 Length tolerance
3	0.8CU	A	2引线	0	L±1.0mm
4	1.0CU	D	4引线b=10.2mm	A	L±0.5mm
5	1.2CU	H	4引线b=20.3mm		

17~18位: 脚长

Digit 17~18: Lead length

00=5.5mm, 38=3.8mm, 40=4.0mm

00=5.5mm, 38=3.8mm, 40=4.0mm

■ 标准品一览表 Standard size

静电容量 Cap(uF)	Outline size (mm)			P ±0.5	P1 ±0.5	d ±0.5	I (A)	I _{max} 70°C@10kHz (A)	ESR @10kHz (mΩ)	Ls (nH)	Part number
	W	H	T								
Urms: 180V.AC, Un=250 V.AC, Undc=300V.DC											
4.0	32.0	22.0	13.0	27.5	----	1.0	280	7	6.7	16	C74405**H*□J24AA00
5.0	"	28.0	14.0	"	----	"	350	8	5.3	18	C74505**H*□J24AA00
6.8	"	33.0	18.0	"	----	1.2	476	11	3.9	21	C74685**H*□J25AA00
10	"	"	"	"	----	"	700	13	2.7	20	C74106**H*□J25AA00
10	41.0	32.0	17.0	37.5	----	"	400	10	4.9	22	C74106**J*□J25AA00
15	"	37.0	22.0	"	----	"	600	14	3.3	24	C74156**J*□J25AA00
18	42.0	36.0	23.0	"	----	"	720	14	2.7	25	C74186**J*□J25AA00
20	"	"	"	"	----	"	800	14	2.5	25	C74206**J*□J25AA00
22	41.0	41.0	26.0	"	----	"	880	14	2.2	26	C74226**J*□J25AA00
25	"	"	"	"	----	"	1000	14	2.0	27	C74256**J*□J25AA00
30	42.0	45.0	30.0	"	----	"	1200	14	1.6	28	C74306**J*□J25AA00
33	"	"	"	"	----	"	1320	14	1.5	29	C74336**J*□J25AA00
40	57.0	43.5	29.5	52.5	20.3	"	800	20	2.6	26	C74406**M*□J25HA00
50	"	50.0	35.0	"	"	"	100	24	2.1	28	C74506**M*□J25HA00
60	"	"	"	"	"	"	1200	27	1.7	29	C74606**M*□J25HA00
Urms: 250V.AC, Un=350 V.AC, Undc=475V.DC											
1.0	32.0	18.0	9.0	27.5	----	1.0	90	3	19.3	20	C74105**H*□N24AA00
1.5	"	20.0	11.0	"	----	"	135	4	12.9	"	C74155**H*□N24AA00
2.0	"	22.0	13.0	"	----	"	180	5	9.6	"	C74205**H*□N24AA00
2.2	"	"	"	"	----	"	198	6	8.8	"	C74225**H*□N24AA00
2.5	"	"	"	"	----	"	225	6	7.7	"	C74255**H*□N24AA00
3.0	"	24.5	15.0	"	----	"	270	7	6.4	"	C74305**H*□N24AA00
3.3	"	"	"	"	----	"	297	8	5.8	21	C74335**H*□N24AA00
3.5	"	28.0	14.0	"	----	"	315	8	5.5	23	C74355**H*□N24AA00
4.0	"	33.0	18.0	"	----	1.2	360	10	4.8	22	C74405**H*□N25AA00
4.5	"	"	"	"	----	"	405	"	4.3	23	C74455**H*□N25AA00
5.0	"	"	"	"	----	"	450	11	3.9	"	C74505**H*□N25AA00
6.8	"	37.0	22.0	"	----	"	612	14	2.8	24	C74685**H*□N25AA00
4.7	41.0	26.0	15.0	37.5	----	"	282	7	7.8	"	C74475**J*□N25AA00
5.0	42.0	28.0	14.0	"	----	"	300	8	7.3	26	C74505**J*□N25AA00
6.0	41.0	32.0	17.0	"	----	"	360	9	6.1	"	C74605**J*□N25AA00
6.5	"	"	"	"	----	"	390	10	5.6	"	C74655**J*□N25AA00
6.8	"	33.5	18.5	"	----	"	408	"	5.4	27	C74685**J*□N25AA00
7.5	"	"	18.5	"	----	"	450	11	4.9	"	C74755**J*□N25AA00
8.0	"	37.0	22.0	"	----	"	480	12	4.6	"	C74805**J*□N25AA00

◆ 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

静电容量 Cap(uF)	Outline size (mm)			P ±0.5	P1 ±0.5	d ±0.5	I (A)	I _{max} 70°C@10kHz (A)	ESR @10kHz (mΩ)	Ls (nH)	Part number
	W	H	T								
Urms: 250V. AC, Un=350 V. AC, Undc=475V. DC											
10	41.0	37.0	22.0	37.5	----	1.2	600	13	3.7	28	C74106**J*□N25AA00
12	"	41.0	26.0	"	----	"	720	14	3.0	29	C74126**J*□N25AA00
15	"	"	"	"	----	"	900	"	2.4	30	C74156**J*□N25AA00
18	"	43.0	28.0	"	----	"	1080	"	2.0	31	C74186**J*□N25AA00
20	42.0	45.0	30.0	"	----	"	1200	"	1.8	32	C74206**J*□N25AA00
22	"	"	"	"	---	"	1320	"	1.7	33	C74226**J*□N25AA00
25	57.0	43.5	29.5	52.5	20.3	"	750	18	3.3	31	C74256**M*□N25HA00
30	"	"	"	"	"	"	900	20	2.7	32	C74306**M*□N25HA00
35	"	50.0	35.0	"	"	"	1050	23	2.3	32	C74356**M*□N25HA00
40	"	"	"	"	"	"	1200	25	2.0	33	C74406**M*□N25HA00
Urms: 300V. AC, Un=425V. AC, Undc=560V. DC											
1.0	32.0	20.0	11.0	27.5	----	1.0	100	4	15.9	16	C74105**H*□S24AA00
1.5	"	22.0	13.0	"	----	"	150	5	10.6	17	C74155**H*□S24AA00
2.0	"	24.5	15.0	"	----	"	200	6	8.9	18	C74205**H*□S24AA00
2.2	"	"	"	"	----	"	220	7	8.0	"	C74225**H*□S24AA00
2.5	"	28.0	14.0	"	----	"	250	8	7.2	19	C74255**H*□S24AA00
3.0	"	33.0	18.0	"	----	1.2	300	9	6.4	21	C74305**H*□S25AA00
3.3	"	"	"	"	----	"	330	10	5.3	20	C74335**H*□S25AA00
3.5	"	"	"	"	----	"	350	"	4.8	21	C74355**H*□S25AA00
4.0	"	"	"	"	----	"	400	11	4.6	"	C74405**H*□S25AA00
4.7	"	37.0	22.0	"	----	"	470	13	4.0	22	C74475**H*□S25AA00
5.0	"	"	"	"	----	"	500	"	3.4	"	C74505**H*□S25AA00
6.8	"	"	"	"	----	"	680	14	3.2	23	C74685**H*□S25AA00
3.0	41.0	26.0	15.0	37.5	----	"	210	6	10.1	22	C74305**J*□S25AA00
3.3	"	"	"	"	----	"	231	7	9.2	"	C74335**J*□S25AA00
3.5	42.0	28.0	14.0	"	----	"	245	"	8.6	23	C74355**J*□S25AA00
4.0	41.0	32.0	17.0	"	----	"	280	8	7.6	24	C74405**J*□S25AA00
4.5	"	"	"	"	----	"	315	9	6.7	"	C74455**J*□S25AA00
4.7	"	"	"	"	----	"	329	"	6.4	"	C74475**J*□S25AA00
5.0	"	33.5	18.5	"	----	"	350	10	6.0	"	C74505**J*□S25AA00
6.0	"	"	"	"	----	"	420	11	5.0	25	C74605**J*□S25AA00
6.8	"	37.0	22.0	"	----	"	476	12	4.4	"	C74685**J*□S25AA00
8.0	"	"	"	"	----	"	560	13	3.8	26	C74805**J*□S25AA00
10	"	41.0	26.0	"	----	"	700	14	3.0	28	C74106**J*□S25AA00
12	"	43.0	28.0	"	----	"	840	"	2.5	29	C74126**J*□S25AA00
15	42.0	45.0	30.0	"	----	"	1050	"	2.0	30	C74156**J*□S25AA00
18	57.0	43.5	29.5	52.5	20.3	"	720	17	3.8	29	C74186**M*□S25HA00
20	"	"	"	"	"	"	800	18	3.4	"	C74206**M*□S25HA00
22	"	"	"	"	"	"	880	20	3.1	30	C74226**M*□S25HA00
25	"	50.0	35.0	"	"	"	1000	21	2.7	31	C74256**M*□S25HA00
28	"	"	"	"	"	"	1120	23	2.4	32	C74286**M*□S25HA00

◆ 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

静电容量 Cap(uF)	Outline size (mm)			P ±0.5	P1 ±0.5	d ±0.5	I (A)	I _{max} 70°C@10kHz (A)	ESR @10kHz (mΩ)	Ls (nH)	Part number
	W	H	T								
Urms: 350V. AC, Un=480V. AC, Undc=600V. DC											
0.33	32.0	18.0	9.0	27.5	----	0.8	17	1.6	53.9	17	C74334**H*□U2CA00
0.39	"	"	"	"	----	"	20	1.7	46.0	"	C74394**H*□U2CA00
0.47	"	"	"	"	----	"	24	1.9	38.6	"	C74474**H*□U2CA00
0.68	"	20.0	11.0	"	----	"	35	2.5	27.5	18	C74684**H*□U2CA00
0.82	"	22.0	13.0	"	----	"	42	3.0	23.3	"	C74824**H*□U2CA00
1.0	"	"	"	"	----	"	51	3.2	19.6	"	C74105**H*□U2CA00
1.5	"	24.5	15.0	"	----	"	76	4.2	14.0	19	C74155**H*□U2CA00
2.0	"	30.0	16.0	"	----	"	102	5.0	11.1	21	C74205**H*□U2CA00
2.2	"	"	"	"	----	"	112	5.2	10.4	20	C74225**H*□U2CA00
2.5	"	"	18.0	"	----	1.0	127	6.2	7.0	22	C74255**H*□U2CA00
3.0	"	37.0	22.0	"	----	"	153	7.4	5.8	24	C74305**H*□U2CA00
3.3	"	"	"	"	----	"	168	7.7	5.3	"	C74335**H*□U2CA00
3.5	"	"	"	"	----	"	178	7.9	5.0	23	C74355**H*□U2CA00
4.0	"	"	"	"	----	"	204	8.2	4.4	"	C74405**H*□U2CA00
1.0	41.0	22.0	11.0	37.5	----	"	36	2.8	28.0	24	C74105**J*□U24A00
1.5	"	24.0	13.0	"	----	"	55	3.7	19.3	25	C74155**J*□U24A00
2.0	"	26.0	15.0	"	----	"	73	4.6	14.9	26	C74205**J*□U24A00
2.2	"	"	"	"	----	"	80	4.8	13.7	25	C74225**J*□U24A00
2.5	"	30.0	16.0	"	----	"	91	5.3	12.3	27	C74255**J*□U24A00
3.0	"	"	"	"	----	"	109	5.7	10.5	26	C74305**J*□U24A00
3.3	"	32.0	17.0	"	----	"	120	6.2	9.7	29	C74335**J*□U24A00
3.5	"	"	"	"	----	"	128	6.4	9.3	28	C74355**J*□U24A00
4.0	"	33.5	18.5	"	----	"	146	7.0	8.3	29	C74405**J*□U24A00
4.5	"	37.0	22.0	"	----	"	164	8.0	7.6	31	C74455**J*□U24A00
5.0	"	"	"	"	----	"	182	8.3	7.0	30	C74505**J*□U24A00
5.5	"	"	"	"	----	"	201	8.6	6.6	29	C74555**J*□U24A00
6.0	"	41.0	26.0	"	----	"	219	9.7	6.2	32	C74605**J*□U24A00
6.5	"	"	"	"	----	"	237	10.0	5.8	31	C74655**J*□U24A00
7.0	"	"	"	"	----	"	255	10.3	5.5	"	C74705**J*□U24A00
7.5	"	"	"	"	----	"	274	10.5	5.3	30	C74755**J*□U24A00
8.0	"	"	"	"	----	"	292	"	5.1	"	C74805**J*□U24A00
8.5	"	43.0	28.0	"	----	"	310	"	4.9	32	C74855**J*□U24A00
9.0	"	"	"	"	----	"	328	"	4.7	31	C74905**J*□U24A00
9.5	"	45.0	30.0	"	----	"	347	"	4.5	33	C74955**J*□U24A00
10.0	"	"	"	"	----	"	365	"	4.4	32	C74106**J*□U24A00

◆ 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

静电容量 Cap(uF)	Outline size (mm)			P ±0.5	P1 ±0.5	d ±0.5	I _{max} 70°C@10kHz (A)	ESR @10kHz (mΩ)	Ls (nH)	Part number	
	W	H	T								
Urms: 350V. AC, Un=480V. AC, Undc=600V. DC											
10.0	57.0	45.0	25.0	52.5	----	1.2	260	11.6	5.7	34	C74106**M*□U25A00
11.0	“	“	“	“	----	“	286	11.9	5.3	33	C74116**M*□U25A00
12.0	“	“	29.5	“	20.3	“	312	14.1	4.4	29	C74126**M*□U25H00
5.0	“	“	35.0	“	“	“	391	16.4	3.7	31	C74505**M*□U25H00
16.0	“	“	“	“	“	“	417	16.8	3.5	30	C74166**M*□U25H00
18.0	“	50.0	“	“	“	“	469	18.1	3.2	33	C74186**M*□U25H00
20.0	“	“	40.0	“	“	“	521	19.	2.9	32	C74206**M*□U25H00
21.0	“	“	“	“	“	“	547	20.1	2.8	32	C74216**M*□U25H00
25.0	“	55.0	45.0	“	“	“	651	22.8	2.5	34	C74256**M*□U25H00
27.0	“	“	“	“	“	“	703	23.5	2.4	33	C74276**M*□U25H00

◆ 备注：特殊需要可根据客户要求另行设计

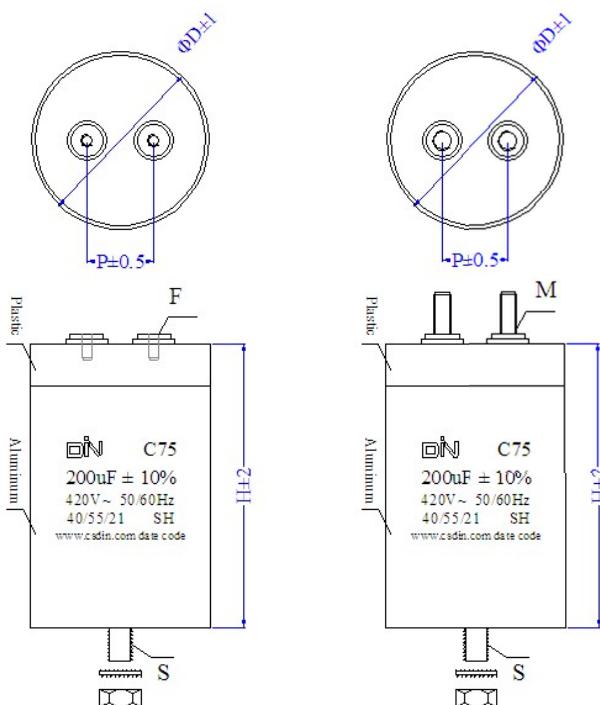
◆ Note: Special requirements can be designed according to customer requirements

◆ 1.“**”、“*”表示内部特征码；“**”、“*”=Internal use

◆ 2.“□”表示容量偏差；“□”= Capacitance tolerance

C75 系列 SERIES

■ 外形图 Outline Drawing



ΦD (mm)	P (mm)	F	M	S
50	22	M6×10	M8×20	M8×10
55	22	M6×10	M8×20	M10×12
76	32	M6×10	M8×20	M12×16
86	32	M6×10	M8×20	M12×16

■ 特点

- 高纹波电流，高 dv/dt 承受能力
- 耐压高，具有自愈性
- 高稳定性，可靠性
- 容量大，体积小

■ Features

- High ripple current, high dv/dt withstand capability
- Resistance to high voltage, with self-healing
- Excellent stable performance and reliability
- Large capacity, small size

■ 主要用途

- 适用于电力电子设备、UPS电源中的交流滤波电路，能承受较高的纹波电流及峰值电流、电压

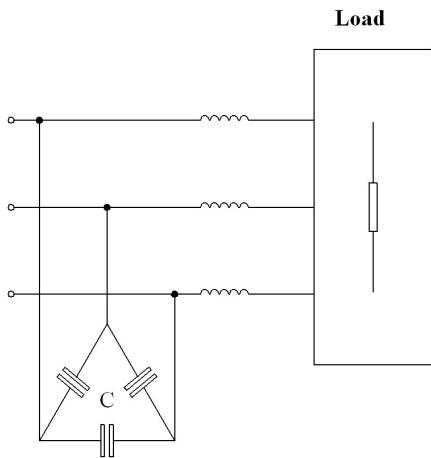
■ Typical application

- The capacitors particularly suit for AC filter circuit in power electric equipment and UPS power unit. They have ability to withstand high r.m.s current and high peak voltage

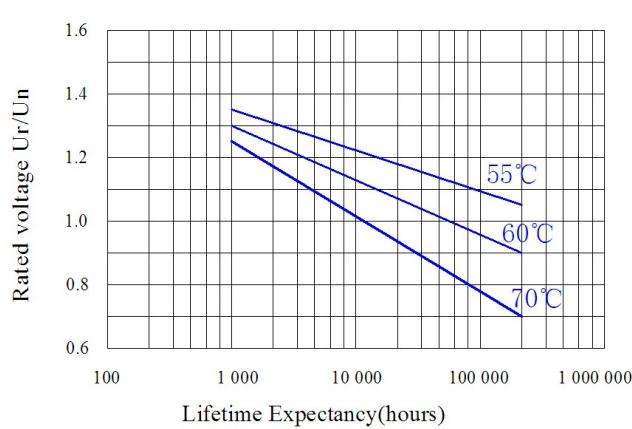
■ 技术参数 Technical Specifications

项目 Items	性能要求 Characteristics
引用标准/Reference standards	GB/T 17702 IEC 61071
容量范围/Capacitance	20μF ~500μF
额定电压/Rated Voltage	420V.AC,700V.AC 50/60HZ
额定均方根电压/Rated RMS Voltage(Urms)	300V.AC,500V.AC
容量偏差/Tolerance	±5% ±10%
损耗角正切/Dissipation factor	$\operatorname{tg}\delta \leq 20 \times 10^{-4}$ at $25^{\circ}\text{C} \pm 5^{\circ}\text{C}, 100\text{Hz}$
绝缘电阻/Insulation resistance	$C \cdot R \geq 5000\Omega \cdot \text{s}$, at 100V.DC, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$, 60s
工作温度范围/Operating temperature range	-40°C ~ 85°C
极间耐电压/Test voltage between terminals	1.5Un (10S, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$)
极壳耐电压/Test voltage between terminals and case	3000V.AC(10S, 50/60Hz, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$)
最大安装扭矩/Max. Torque of Installation	M8:5.0Nm M10:7.0Nm M12:10.0Nm
最大电极扭矩/Max. Torque of terminals	M6:3.0Nm M8:5.0Nm M10:8.0Nm
最高使用海拔/Max Altitude	2000m
预期寿命/Expected lifetime	$ \Delta C/C \leq 5\%$ after 60 000hrs under rated conditions @ 50°C

■ 典型线路/Typical circuit



■ 预期寿命曲线/ Expected lifetime curve



■ 产品编码说明/Part number code system

▲ 18位产品代码如下:

▲ The 18 digits part number is formed as follow:

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

1~3位: 型号代码

Digit 1~3: Series code

4~6位: 标称容量

Digit 4~6: Rated capacitance value

如: 104=10×10⁴PF=0.1uF

Example: 104=10×10⁴PF=0.1uF

7~10位: 内部特征码

Digit 7~10: Internal use

11位: 容量偏差

Digit 11: Capacitance tolerance

J=±5%、K=±10%、M=±20%

J=±5%、K=±10%、M=±20%

12~13位: 额定均方根电压

Digit 12~13: Rated RMS voltage

S2=300VAC、Y2=500VAC

S2=300VAC、Y2=500VAC

14~17位: 外形尺寸代码

Digit 14~17: Dimension code

14位 Digit 14		15位 Digit 15		16位 Digit 16		17位 Digit 17	
代码 Code	直径 Diameter	代码 Code	高度 Height	代码 Code	脚距 Pitch	代码 Code	引出端规格 Specifications of terminals
5	50	8	85	G	22.0 mm	B	螺母M6*15*10
6	55	A	100	I	32.0 mm	C	螺母M8*15*10
7	76	B	130			E	螺杆M6*15*20
8	86	C	135			F	螺杆M8*15*20
		D	140				
		F	185				
		G	235				

18位: 安装形式

Digit 18: Fix style

F=平底 S=M12*16 螺杆 T=M16*25 螺杆

F=Flat S=M12*16Male T=M16*25Male

■ 标准品一览表 Standard size

静电容量 Cap(uF)	Outline size (mm)		Rs (mΩ)	R _{th} (°C/W)	Imax (A)	I _{AK} (KA)	I _{AS} (KA)	Weight (kg)	Part number
	ΦD	H							
Urms: 300V. AC, Un=420V. AC									
20	50	85	22.0	14.2	8	0.1	0.2	0.2	C75206****□S258-*○
40	"	100	17.3	10.4	11	0.2	0.4	"	C75406****□S25A-*○
50	55	"	13.8	9.6	"	0.2	0.5	0.3	C75506****□S26A-*○
60	"	136	24.8	8.3	"	0.3	0.6	"	C75606****□S26C-*○
100	76	140	9.7	6.2	14	1.0	3	0.9	C75107****□S27D-*○
200	"	"	4.8	6.3	28	2.0	6	"	C75207****□S27D-*○
200	"	"	4.8	6.3	28	2.0	6	"	C75207****□S27D-*○
200	"	235	4.9	3.7	42	6.0	18	1.4	C75207****□S27G-*○
Urms: 500V. AC, Un=700V. AC									
10	50	85	16.0	14.0	9	0.2	0.5	0.2	C75106****□Y258-*○
20	"	100	13.0	10.2	12	0.3	0.7	"	C75206****□Y25A-*○
30	55	136	16.0	7.4	13	0.5	0.7	0.4	C75306****□Y26C-*○
50	76	130	9.6	6.7	18	0.8	1.2	0.8	C75506****□Y27B-*○
80	"	185	3.4	4.5	37	1.3	3.8	1.1	C75806****□Y27F-*○
100	"	235	9.5	3.7	35	4.0	12	1.4	C75107****□Y27G-*○
133	86	"	7.2	3.4	47	5.3	15.9	1.8	C75137****□Y28G-*○
150	"	"	6.4	3.2	53	6.0	18	1.7	C75157****□Y28G-*○

◆ 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

◆ 1.“****”表示内部特征码；“****”=Internal use

◆ 2. “□”表示容量偏差；“□”= Capacitance tolerance

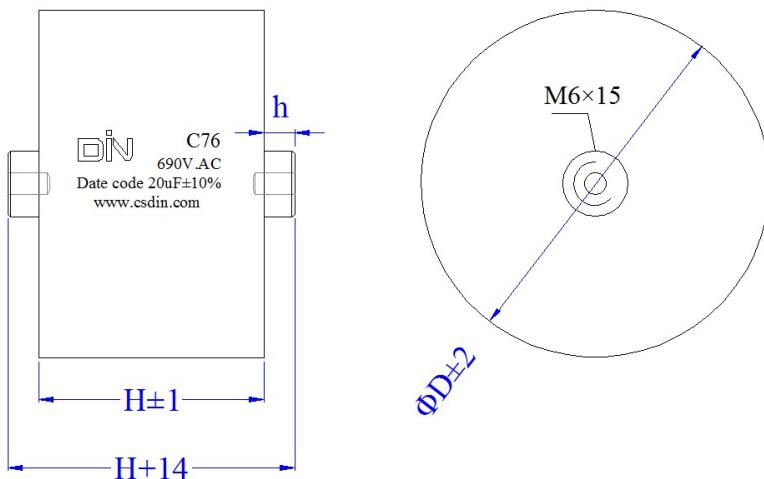
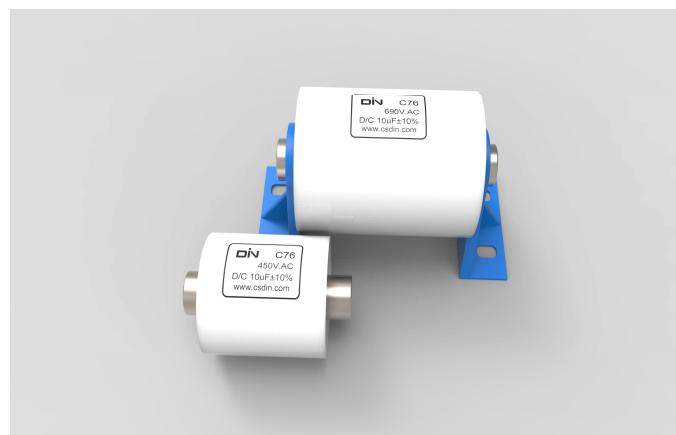
◆ 3. “—”表示脚距；“—”= Pitch

◆ 4. “*”表示引出端型体；“*”= Specifications of terminals

◆ 5. “○”表示安装形式；“○”= Fix style

C76 系列 SERIES

■ 外形图 Outline Drawing



■ 特点

- 高纹波电流，高 dv/dt 承受能力
- 耐压高，具有自愈性
- 容量大，体积小

■ Features

- High ripple current, high dv/dt withstand capability
- Resistance to high voltage, with self-healing
- Large capacity, small size

■ 主要用途

- 广泛应用于各类电源、逆变器、感应加热等设备，与功率输出变压器初级做串联连接，做耦合隔直作用

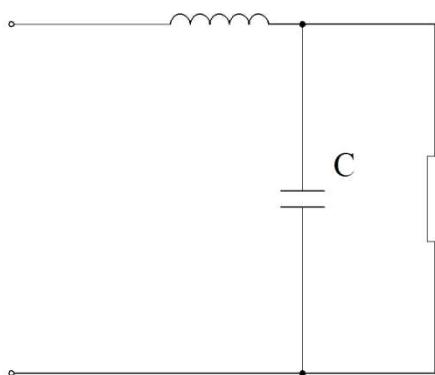
■ Typical application

- Widely used in all kinds of power supply, inverter, such as induction heating equipment. Series connection with power output transformer primary for coupling and blocking

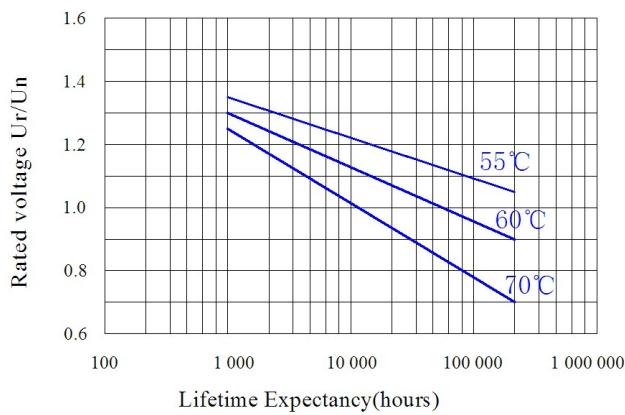
■ 技术参数 Technical Specifications

项目 Items	性能要求 Characteristics	
引用标准/Reference standards	GB/T 17702 IEC 61071	
容量范围/Capacitance	5μF ~50μF	
额定电压/Rated Voltage	450V.AC,690V.AC	
容量偏差/Tolerance	±5%	
损耗角正切/Dissipation factor	$\operatorname{tg}\delta \leq 20 \times 10^{-4}$ at $25^{\circ}\text{C} \pm 5^{\circ}\text{C}, 1\text{KHz}$	
绝缘电阻/Insulation resistance	$C \cdot R \geq 5000\text{S}$, at 100V.DC, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}, 60\text{s}$	
工作温度范围/Operating temperature range	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$	
极间耐电压/Test voltage between terminals	1.5Un (10S, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$)	
极壳耐电压/Test voltage between terminals and case	3000V.AC(10S, 50/60Hz, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$)	
过电压/Over voltage	1.1 Un	30% of the service period
	1.15 Un	30 min/day
	1.2 Un	5 min/day
	1.3 Un	1min/day
	1.5 Un	100ms no more than 1000 times
最大安装扭矩/Max. Torque of Installation	3.0Nm	
最大电极扭矩/Max. Torque of terminals	M6:3.5Nm	M8:6.0Nm
最高使用海拔/Max. Torque of terminals	2000m	
预期寿命/Expected lifetime	100 000hrs @ $U_n, \theta_{hs}=70^{\circ}\text{C}$	
失效率/Failure rate	100FIT	

■ 典型线路/Typical circuit



■ 预期寿命曲线/ Expected lifetime curve



■ 产品编码说明/Part number code system

▲ 18位产品代码如下:

▲ The 18 digits part number is formed as follow:

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

1~3位: 型号代码

Digit 1~3: Series code

4~6位: 标称容量

Digit 4~6: Rated capacitance value

如: 104=10×10⁴PF=0.1uF

Example: 104=10×10⁴PF=0.1uF

7~10位: 内部特征码

Digit 7~10: Internal use

11位: 容量偏差

Digit 11: Capacitance tolerance

J=±5%、K=±10%、M=±20%

J=±5%、K=±10%、M=±20%

12~13位: 额定电压

Digit 12~13: Rated voltage

X2=450VAC、62=690VAC

X2=450VAC、62=690VAC

14~15位: 外形尺寸代码

Digit 14~15: Dimension code

14位 Digit 14		15位 Digit 15	
代码 Code	胶带宽 Tape width	代码 Code	引出端规格 Specifications of terminals
E	40mm	B	螺母M6*15*10
G	50mm	C	螺母M8*15*10
I	60mm		

16~17位: h高度

16~17位: Height for h

70=7.0mm 75=7.5mm ...

70=7.0mm 75=7.5mm ...

18位: 安装形式

Digit 18: Fix style

代码 Code	N	B	C
支架 Bracket	无支架	Φ 15*49	Φ 15*58

■ 标准品一览表 Standard size

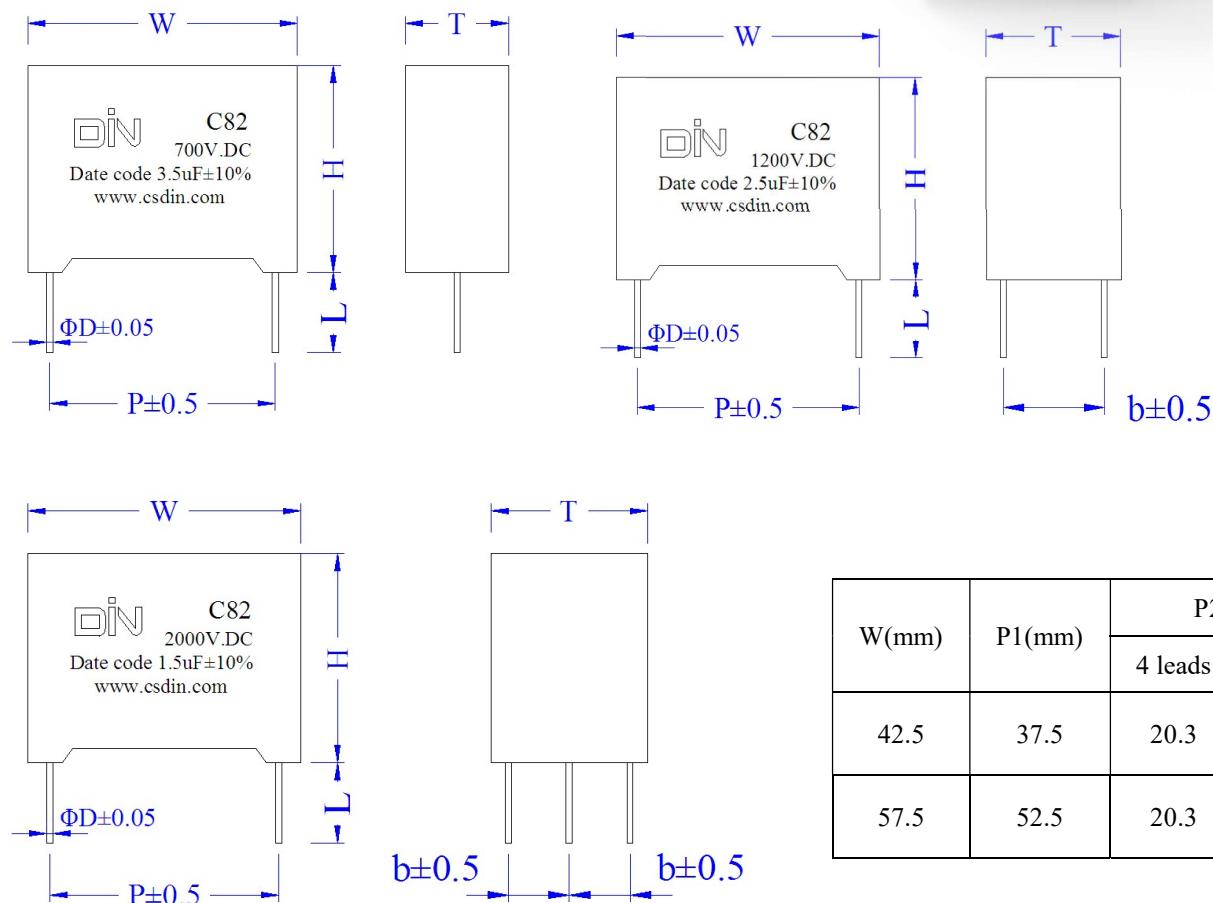
静电容量 Cap(uF)	Outline size (mm)			ESR @100KHZ (A)	Ls (nH)	dv/dt (V/us)	I (A)	Irms @25°C/100KHZ (A)	Part number
	ΦD (mm)	L (mm)	L1 (mm)						
Un: 450V.AC									
6.8	35	40	54	9.4	27	100	680	30	C76685****□X2E*70○
8	38	“	“	8.0	25	80	640	35	C76805****□X2E*70○
10	42	“	“	6.4	“	75	750	40	C76106****□X2E*70○
15	51	“	“	5.3	28	70	1050	48	C76156****□X2E*70○
20	59	“	“	4.0	23	65	1300	55	C76206****□X2E*70○
30	71	“	“	2.7	27	60	1800	68	C76306****□X2E*70○
40	74	50	64	2.0	26	55	2200	70	C76406****□X2G*70○
50	82	“	“	1.6	25	50	2500	75	C76506****□X2G*70○
Un: 690V.AC									
5	35	60	74	9.6	27	180	900	30	C76505****□62I*70○
6.8	40	“	“	7.0	26	150	1020	35	C76685****□62I*70○
8	44	“	“	7.0	25	120	960	38	C76805****□62I*70○
10	49	“	“	6.4	26	110	1100	45	C76106****□62I*70○
15	59	“	“	4.2	23	100	1500	55	C76156****□62I*70○
20	68	“	“	3.2	25	90	1800	62	C76206****□62I*70○
25	76	“	“	2.5	22	80	2000	70	C76256****□62I*70○
30	83	“	“	2.1	23	80	2400	75	C76306****□62I*70○

◆ 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

C82 系列 SERIES

■ 外形图 Outline Drawing



■ 特点

- 耐压高，电流大
- 温升低，寿命长
- 体积小

■ Features

- Resistance to high voltage, heavy current
- Low temperature, Long lifetime
- Small size

■ 主要用途

- 广泛应用于商用电磁炉和感应加热设备的半桥、全桥谐振电路

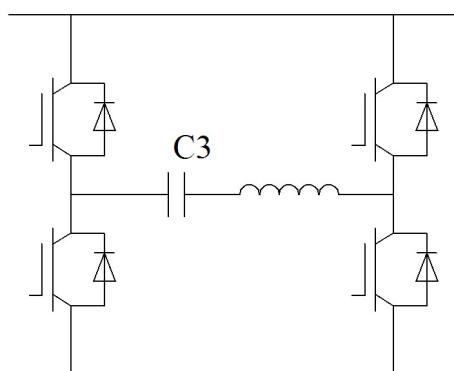
■ Typical application

- Widely used in half-bridge, full bridge's resonant circuit of commercial induction cooker and induction heater

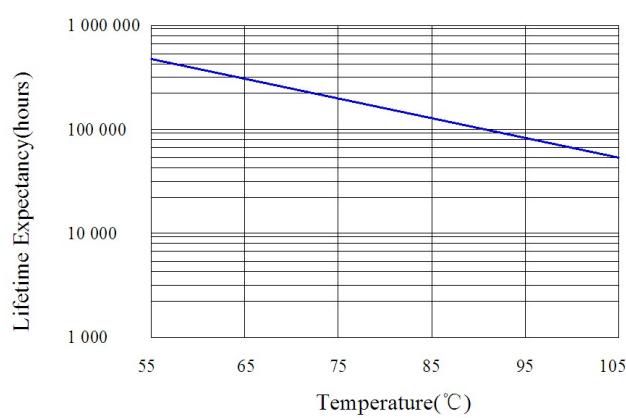
■ 技术参数 Technical Specifications

项目 Items	性能要求 Characteristics
引用标准/Reference standards	GB/T 17702 IEC 61071
容量范围/Capacitance	0.1μF ~8.0μF
额定电压/Rated Voltage	700V.DC ~3000 V.DC
容量偏差/Tolerance	±5% ±10%
损耗角正切/Dissipation factor	$\operatorname{tg}\delta \leq 20 \times 10^{-4}$ at $25^{\circ}\text{C} \pm 5^{\circ}\text{C}, 10\text{KHz}$
绝缘电阻/Insulation resistance	$C \cdot R \geq 5000\Omega$, at 100V.DC, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}, 60\text{s}$
工作温度范围/Operating temperature range	-40°C ~ 105°C
极间耐电压/Test voltage between terminals	1.5Un (10S, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$)
极壳耐电压/Test voltage between terminals and case	3000V.AC(10S, 50/60Hz, $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$)
最高使用海拔/Max Altitude	2000m
预期寿命/Expected lifetime	100 000hrs @ $U_n, \theta_{hs}=70^{\circ}\text{C}$
失效率/Failure rate	100FIT

■ 典型线路/Typical circuit



■ 预期寿命曲线/ Expected lifetime curve



■ 产品编码说明/Part number code system

▲ 18位产品代码如下:

▲ The 18 digits part number is formed as follow:

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

1~3位: 型号代码

Digit 1~3: Series code

4~6位: 标称容量

Digit 4~6: Rated capacitance value

如: 104=10×10⁴PF=0.1uF

Example: 104=10×10⁴PF=0.1uF

7~10位: 内部特征码

Digit 7~10: Internal use

11位: 容量偏差

Digit 11: Capacitance tolerance

J=±5%、K=±10%、M=±20%

J=±5%、K=±10%、M=±20%

12~13位: 额定电压

Digit 12~13: Rated voltage

26=700V、3A=1000V

26=700V、3A=1000V

3C=1200V、3I=170V、3K=2000V

3C=1200V、3I=170V、3K=2000V

3S=3000V

3S=3000V

14~16位: 引出端代码

Digit 14~16: Terminal code

14位 Digit 14		15位 Digit 15		16位 Digit 16	
代码 Code	电极 Electrode	代码 Code	脚型 Lead kinked	代码 Code	脚长偏差 Length tolerance
3	0.8CU	A	2引线	0	L±1.0mm
4	1.0CU	D	4引线b=10.2mm	A	L±0.5mm
5	1.2CU	H	4引线b=20.3mm		

17~18位: 脚长

Digit 17~18: Lead length

00=5.5mm, 38=3.8mm, 40=4.0mm

00=5.5mm, 38=3.8mm, 40=4.0mm

■ 标准品一览表 Standard size

静电容量 Cap(uF)	Outline size (mm)			P ±0.5	b ±0.5	d ±0.5	dv/dt (V/us)	ESR @10kHz (mΩ)	Irms @40°C/10KHZ (A)	Ls (nH)	Part number
	W	H	T								
Un=700V. DC, Urms: 400V. AC											
0.47	42.5	28.0	14.0	37.5	--	1.0	500	12	8	25	C82474****□264AA00
1.0	41.0	32.0	17.0	"	--	"	450	8	12	24	C82105****□264AA00
1.5	42.5	44.0	24.0	"	--	1.2	430	7	15	25	C82155****□265AA00
2.0	"	"	"	"	--	"	420	6	18	24	C82205****□265AA00
2.5	"	45.0	30.0	"	10.2	1.0	400	"	19	23	C82255****□264DA00
3.0	"	"	"	"	"	"	380	5.5	20	22	C82305**J*□264DA00
3.0	57.5	"	"	52.5	20.3	1.2	350	5	22	26	C82305**M*□265HA00
3.5	42.5	"	"	37.5	10.2	1.0	350	"	25	23	C82355**J*□264DA00
3.5	57.5	"	"	52.5	20.3	1.2	300	6	22	25	C82355**M*□265HA00
4.7	"	50.0	35.0	"	10.2	1.0	280	5	25	28	C82475****□264DA00
5.6	"	54.0	38.0	"	"	"	250	4	25	30	C82565****□264DA00
6.0	"	"	"	"	"	1.2	230	3.5	28	33	C82605****□265DA00
6.8	"	56.0	42.5	"	"	"	220	3.2	32	32	C82685****□265DA00
8.0	"	"	"	"	"	"	200	2.8	33	30	C82805****□265DA00
Un=1000V. DC, Urms: 500V. AC											
0.22	42.5	28.0	14.0	37.5	--	1.0	1200	15	7	26	C82224****□3A4AA00
0.47	41.0	32.0	17.0	"	--	"	1000	11	10	25	C82474****□3A4AA00
0.68	"	"	"	"	--	"	800	8	12	25	C82684****□3A4AA00
1.0	42.5	44.0	24.0	"	--	1.2	"	6	15	24	C82105****□3A5AA00
1.5	"	45.0	30.0	"	10.2	1.0	700	"	"	"	C82155****□3A4DA00
2.0	"	"	"	"	"	"	"	5	20	22	C82205****□3A4DA00
2.5	57.5	"	"	52.5	20.3	1.2	600	"	22	30	C82255****□3A5HA00
3.0	"	50.0	35.0	"	"	"	"	4	25	"	C82305****□3A5HA00
3.3	"	"	"	"	10.2	1.0	550	3.5	"	28	C82335****□3A4DA00
3.5	"	54.0	38.0	"	"	"	500	"	"	"	C82255****□3A4DA00
4.0	"	"	"	"	"	1.2	"	3.2	28	26	C82405****□3A5DA00
4.7	"	56.0	42.5	"	"	"	420	3	30	25	C82475****□3A5DA00
5.6	"	"	"	"	"	"	400	2.8	32	24	C82565****□3A5DA00
Un=1200V. DC, Urms: 550V. AC											
0.22	42.5	28.0	14.0	37.5	--	1.0	1300	15	8	26	C82224****□3C4AA00
0.47	41.0	32.0	17.0	"	--	"	1200	11	10	24	C82474****□3C4AA00
0.68	42.5	44.0	24.0	"	--	1.2	1100	7	12	23	C82684****□3C5AA00
1.0	"	"	"	"	--	"	800	6	14	22	C82105****□3C5AA00
1.5	"	45.0	30.0	"	10.2	1.0	800	5	15	20	C82155****□3C4DA00
2.0	57.5	"	"	52.5	20.3	1.2	750	4	20	30	C82205****□3C5HA00
2.5	"	50.0	35.0	"	10.2	1.0	700	"	25	28	C82255****□3C4DA00
3.0	"	"	"	"	"	"	600	"	"	27	C82305****□3C4DA00
3.3	"	54.0	38.0	"	"	1.2	550	"	28	"	C82335****□3C5DA00
3.5	"	56.0	42.5	"	"	"	500	3.5	"	25	C82355****□3C5DA00
4.0	"	"	"	"	"	"	450	"	30	"	C82405****□3C5DA00
4.7	"	"	"	"	"	"	420	3.2	32	23	C82475****□3C5DA00

◆ 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

静电容量 Cap(uF)	Outline size (mm)			P ±0.5	b ±0.5	d ±0.5	dv/dt (V/us)	ESR @10kHz (mΩ)	Irms @40°C/10KHZ (A)	Ls (nH)	Part number
	W	H	T								
Un=1700V. DC, Urms: 575V. AC											
0.22	42.5	28	14	37.5	--	1.2	1500	15	9	26	C82224****□3I5AA00
0.33	41.0	32.0	17.0	"	--	"	1300	12	10	25	C82334****□3I5AA00
0.47	42.5	"	"	"	--	"	"	10	10	24	C82474****□3I5AA00
0.68	"	44.0	24.0	"	20.3	1.0	"	8	12	23	C82684****□3I4HA00
1.0	"	45	30.0	"	"	1.2	1200	7	15	22	C82105****□3I5HA00
1.5	"	"	"	"	10.2	1.0	"	6	18	"	C82155****□3I4DA00
1.5	57.5	"	30	52.5	20.3	1.2	"	5	20	31	C82155****□3I5HA00
2.0	"	"	"	"	"	"	1100	"	22	30	C82205****□3I5HA00
2.5	"	50	35	"	10.2	1.0	"	4	25	28	C82255****□3I4DA00
3.0	"	54	38	"	"	1.2	700	"	"	27	C82305****□3I5DA00
3.3	"	"	"	"	"	"	600	3.8	28	26	C82335****□3I5DA00
3.5	"	56	42.5	"	"	"	500	3.5	30	25	C82355****□3I5DA00
4.0	"	"	"	"	"	"	450	3.2	32	"	C82405****□3I5DA00
Un=2000V. DC, Urms: 700V. AC											
0.22	41.0	32.0	17.0	37.5	--	1.2	1500	15	10	25	C82224****□3K5AA00
0.33	42.5	44.0	24.0	"	20.3	1.0	"	12	12	24	C82334****□3K4HA00
0.47	"	"	"	"	"	"	1400	11	15	23	C82474****□3K4HA00
0.68	"	45	30.0	"	10.2	"	1200	8	18	22	C82684****□3K4DA00
0.68	57.5	"	30	52.5	20.3	1.2	1100	7	20	30	C82684****□3K5HA00
0.82	42.5	"	33	37.5	10.2	1.0	1200	7	22	28	C82824****□3K4DA00
1.0	57.5	"	30	52.5	20.3	1.2	1100	6	25	28	C82105****□3K5HA00
1.5	"	50	35	37.5	10.2	1.0	1000	5	28	25	C82155****□3K4DA00
2.0	"	54	38	"	"	1.2	800	5	28	24	C82202****□3K5DA00
2.2	"	56	42.5	"	"	"	700	4	32	23	C82225****□3K5DA00
Un=3000V. DC, Urms: 750V. AC											
0.15	42.5	45	30.0	37.5	10.2	1.0	2500	18	25	28	C82154****□3S4DA00
0.22	"	"	"	"	"	"	2200	15	28	27	C82224****□3S4DA00
0.22	57.5	50	35	52.5	20.3	1.2	2000	15	20	25	C82224****□3S5HA00
0.33	"	"	"	"	"	"	1800	12	"	24	C82334****□3S5HA00
0.47	"	54	38	"	10.2	1.0	1600	11	22	23	C82474****□3S4DA00
0.68	"	56	42.5	"	"	1.2	1500	8	28	22	C82684****□3S5DA00

◆ 备注：特殊需要可根据客户要求另行设计

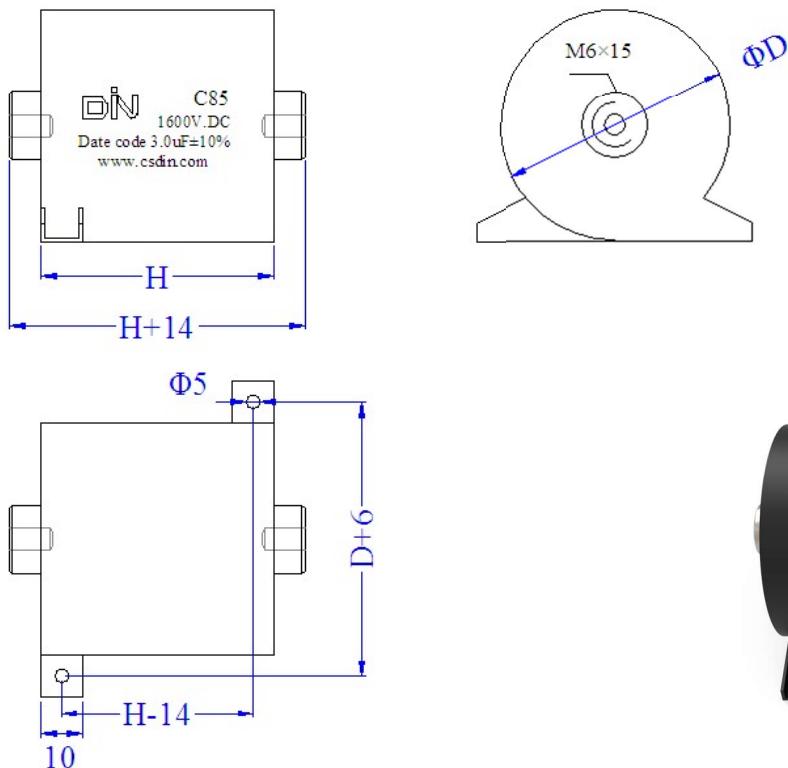
◆ Note: Special requirements can be designed according to customer requirements

◆ 1.“**”、“*”表示内部特征码；“**”、“*”=Internal use

◆ 2.“□”表示容量偏差；“□”=Capacitance tolerance

C85 系列 SERIES

■ 外形图 Outline Drawing



■ 特点

- 自感小、等效串联电阻小
- 高脉冲电流、高 dv/dt 承受能力
- 高频大电流承受能力

■ Features

- Low ESL, Low ESR
- High pulse Current, high dv/dt characteristics,
- High frequency and high current endurance

■ 主要用途

- 广泛应用于商用电磁炉、和感应加热设备的半桥、全桥谐振电路

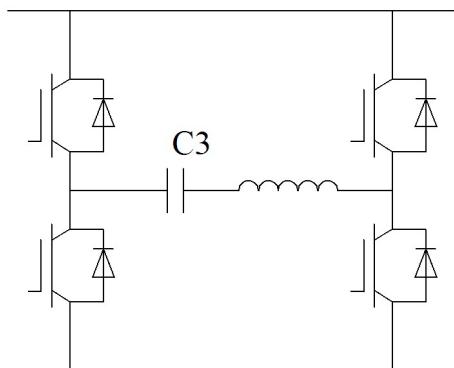
■ Typical application

- Widely used in half-bridge, full bridge's resonant circuit of commercial induction cooker and induction heater

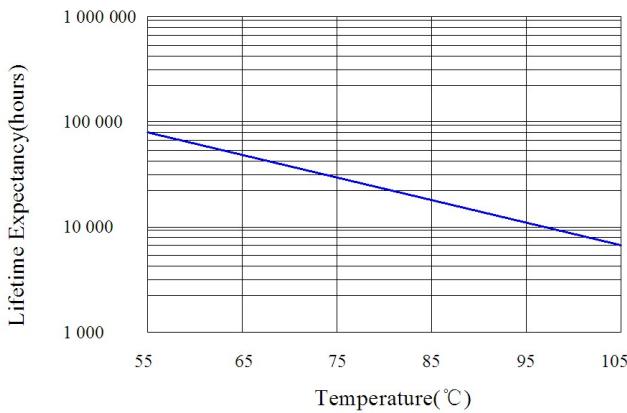
■ 技术参数 Technical Specifications

项目 Items	性能要求 Characteristics
引用标准/Reference standards	GB/T 17702 IEC 61071
工作温度范围/Operating temperature range	-40°C ~ 105°C (+85°C to +105°C: decreasing factor 1.25% per °C for V _R (DC))
容量范围/Capacitance	0.1μF ~ 8.0μF
额定电压/Rated Voltage	700V.DC ~ 3000 V.DC
容量偏差/Tolerance	±5% ±10%
损耗角正切/Dissipation factor	tgδ ≤ 20 × 10 ⁻⁴ at 25°C ± 5°C, 10KHz
绝缘电阻/Insulation resistance	C · R ≥ 5000S, at 100V.DC, 25°C ± 5°C, 60s
极间耐电压/Test voltage between terminals	1.5U _n (10S, 25°C ± 5°C)
极壳耐电压/Test voltage between terminals and case	3000V.AC(10S, 50/60Hz, 25°C ± 5°C)
最高使用海拔/Max Altitude	2000m
预期寿命/Expected lifetime	100 000hrs @ U _n , θ _{hs} = 70°C
失效效率/Failure rate	100FIT

■ 典型线路/Typical circuit



■ 预期寿命曲线/ Expected lifetime curve



■ 产品编码说明/Part number code system

▲ 18位产品代码如下:

▲ The 18 digits part number is formed as follow:

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

1~3位: 型号代码

Digit 1~3: Series code

4~6位: 标称容量

Digit 4~6: Rated capacitance value

如: 104=10×10⁴PF=0.1uF

Example: 104=10×10⁴PF=0.1uF

7~10位: 内部特征码

Digit 7~10: Internal use

11位: 容量偏差

Digit 11: Capacitance tolerance

J=±5%、K=±10%、M=±20%

J=±5%、K=±10%、M=±20%

12~13位: 额定电压

Digit 12~13: Rated voltage

3C=1200V、3H=1600V、3K=2000V

3C=1200V、3H=1600V、3K=2000V

14~17位: 外形尺寸代码

Digit 14~17: Dimension code

14位 Digit 14		15位 Digit 15		16位 Digit 16		17位 Digit 17	
代码 Code	直径 Diameter	代码 Code	高度 Height	代码 Code	脚距 Pitch	代码 Code	引出端规格 Specifications of terminals
6	63	2	50	0	40.0 mm	B	螺母M6*15*10
7	76					C	螺母M8*15*10
						E	螺杆M6*15*20
						F	螺杆M8*15*20

18位: 安装形式

Digit 18: Fix style

F=平底 S=M12*16 螺杆 T=M16*25 螺杆

F=Flat S=M12*16Male T=M16*25Male

■ 标准品一览表 Standard size

静电容量 Cap(uF)	Outline size (mm)		ESR @100kHz (mΩ)	dv/dt (V/us)	I [†] (A)	Irms @40°C/100KHZ (A)	Ls (nH)	Part number
	Φ D	L						
Un=1200V. DC, Urms: 500V. AC								
2	63	50	3.2	500	1000	30	20	C85205****□3C650*○
3	“	“	3.0	“	1500	35	22	C85305****□3C650*○
4	“	“	2.8	400	1600	45	“	C85405****□3C650*○
5	“	“	2.5	“	2000	50	23	C85505****□3C650*○
6	76	“	2.0	350	2100	60	25	C85605****□3C750*○
7	“	“	1.5	300	2100	65	25	C85705****□3C750*○
Un=1600V. DC, Urms: 600V. AC								
2	63	50	3.2	700	1400	30	20	C85205****□3H650*○
3	“	“	3.0	600	1800	35	22	C85305****□3H650*○
4	“	“	2.8	550	2200	45	“	C85405****□3H650*○
5	76	“	2.3	500	2500	55	23	C85505****□3H750*○
6	“	“	2.2	450	2700	65	25	C85605****□3H750*○
Un=2000V. DC, Urms: 700V. AC								
2	63	50	3.0	800	1600	50	20	C85205****□3K650*○
3	“	“	2.8	700	2100	55	22	C85305****□3K650*○
4	76	“	2.5	600	2400	65	“	C85405****□3K750*○

- ◆ 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
- ◆ 1.“****”表示内部特征码；“****”=Internal use
- ◆ 2. “□”表示容量偏差；“□”= Capacitance tolerance
- ◆ 3. “*”表示引出端型体；“*”= Specifications of terminals
- ◆ 4. “○”表示安装形式；“○”= Fix style

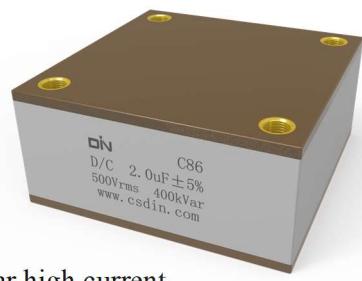
C86 系列 SERIES

■ 特点

- 高电压、高频率
- 高 dv/dt 特性、能承受大电流
- 散热性能好、具有自愈性

■ Features

- High voltage, high frequency
- High dv/dt characteristics, Can bear high current,
- Good heat radiation performance, Self healing



■ 主要用途

- 广泛应用于大功率的高频谐振设备中

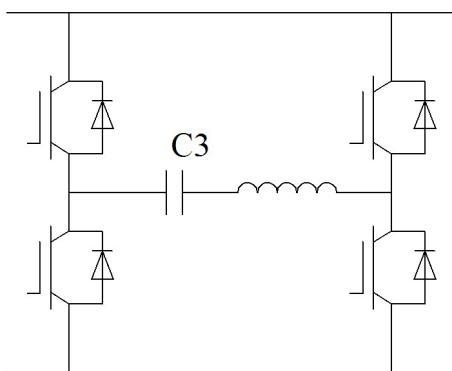
■ Typical application

- Widely used in high power high frequency resonant device

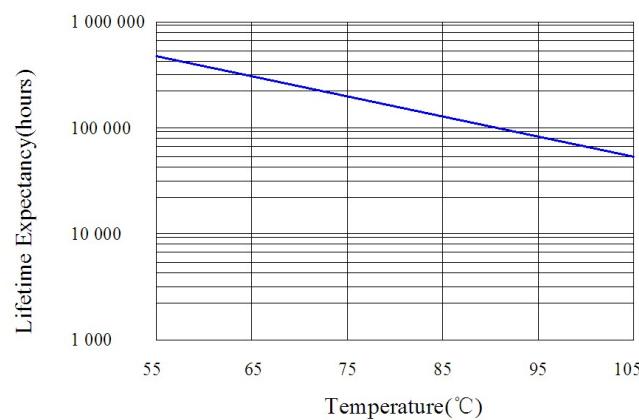
■ 技术参数 Technical Specifications

项目 Items	性能要求 Characteristics
引用标准/Reference standards	GB/T 3984 IEC 60110..1
工作温度范围/Operating temperature range	-25°C~85°C
容量范围/Capacitance	0.1μF ~84μF
额定容量/ Rated capacity	300kVar,600kVar,750kVar,800kVar ,1500kVar
额定电压/Rated Voltage	400V.DC ~1000 V.DC
容量偏差/Tolerance	±5% ±10%
损耗角正切/Dissipation factor	$\operatorname{tg}\delta \leq 5 \times 10^{-4}$ at 25°C±5°C,1KHz
绝缘电阻/Insulation resistance	$C \cdot R \geq 5000S$,at 100V.DC,25°C±5°C,60s
极间耐电压/Test voltage between terminals	1.5Un (10S,25°C±5°C)
极壳耐电压/Test voltage between terminals and case	3000V.AC(10S,50/60Hz,25°C±5°C)
最高使用海拔/Max Altitude	2000m
预期寿命/Expected lifetime	200 000hrs @ Un,θhs=70°C
失效率/Failure rate	100FIT

■ 典型线路/Typical circuit



■ 预期寿命曲线/ Expected lifetime curve



■ 产品编码说明/Part number code system

▲ 18位产品代码如下:

▲ The 18 digits part number is formed as follow:

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

1~3位: 型号代码

Digit 1~3: Series code

4~6位: 标称容量

Digit 4~6: Rated capacitance value

如: 104=10×10⁴PF=0.1uF

Example: 104=10×10⁴PF=0.1uF

7~10位: 内部特征码

Digit 7~10: Internal use

11位: 容量偏差

Digit 11: Capacitance tolerance

J=±5%、K=±10%、M=±20%

J=±5%、K=±10%、M=±20%

12~13位: 额定电压

Digit 12~13: Rated voltage

2W=400V、2Y=500V、24=600V

2W=400V、2Y=500V、24=600V

26=700V、28=800V、20=900V

26=700V、28=800V、20=900V

3A=1000V

3A=1000V

14~15位: 容量(kVar)

Digit 14~15: Output(kVar)

2S=300kVar、24=600kVar

2S=300kVar、24=600kVar

27=750kVar、28=800kVar

27=750kVar、28=800kVar

3G=1500kVar

3G=1500kVar

16位: 引出端形状

Digit 16: Dimension code

C=圆铜片 S=方铜片

C= Circular copper terminal S= Square copper terminal

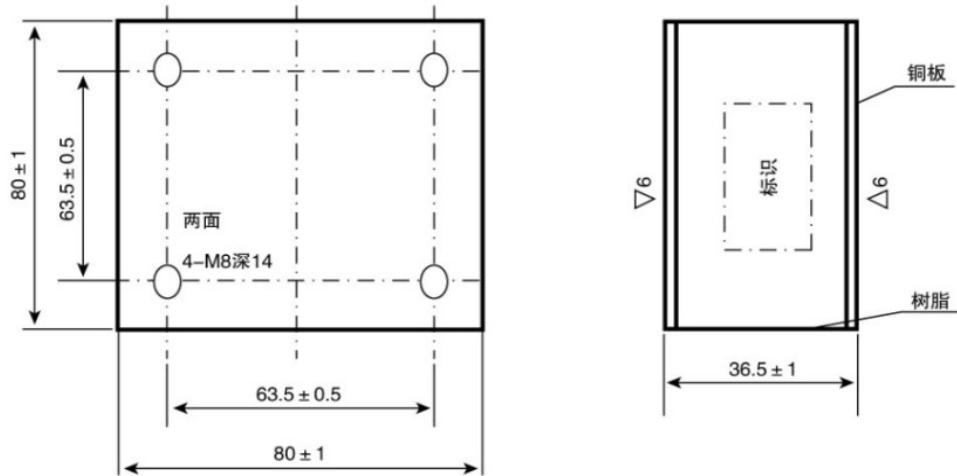
17~18位: 冷却方式

Digit 17~18: Cooling method

AC=风冷式 WC=水冷式

AC= Air-cooled WC= Water-cooled

■ 外形图 Outline Drawing



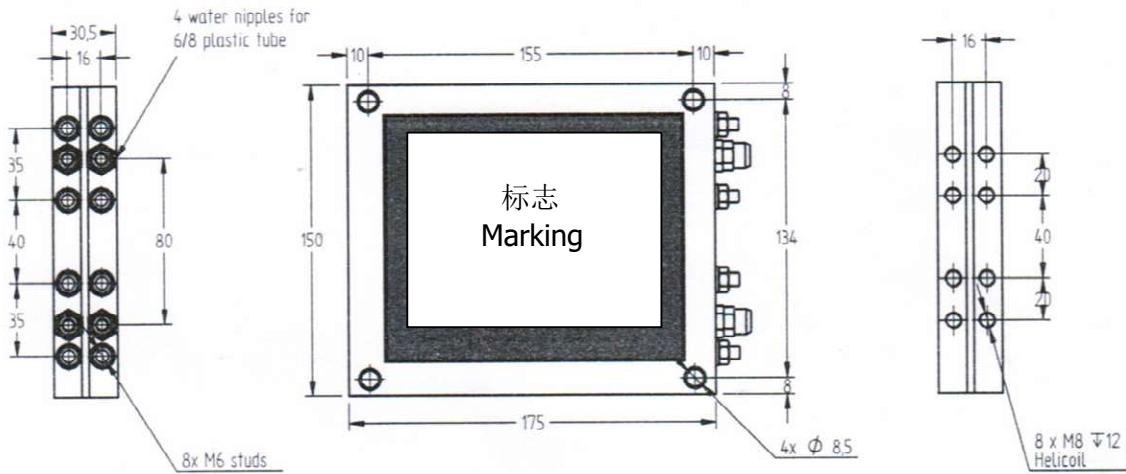
■ 标准品一览表 Standard size

静电容量 Cap(uF)	容量 (kVar)	额定电压 Rated Voltage (V)	Irms (A)	Upeak (V)	Frequency @Full Power (kHz)	ESL (nH)	Outline size (mm)	Weight (Kg)	Part number
0.1	300	1000	400	1410	477~840	5	80*80*36.5	3	C86104****□3A2SSAC
0.2	"	"	"	"	239~420	"	"	"	C86204****□3A2SSAC
0.24	"	"	"	"	200~350	"	"	"	C86244****□3A2SSAC
0.33	"	700	500	990	290~400	"	"	"	C86334****□262SSAC
0.47	"	"	"	"	200~280	"	"	"	C86474****□262SSAC
0.68	"	"	"	"	140~190	"	"	"	C86684****□262SSAC
0.75	"	"	"	"	130~170	"	"	"	C86754****□262SSAC
1.0	"	600	650	850	132~190	"	"	"	C86105****□242SSAC
1.2	"	500	"	710	160~185	"	"	"	C86125****□2Y2SSAC
2.0	"	400	800	570	150~160	"	"	"	C86205****□2W2SSAC
4.0	"	400	"	"	75~84	"	"	"	C86405****□2W2SSAC

◆ 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

■ Outline drawing/外形图



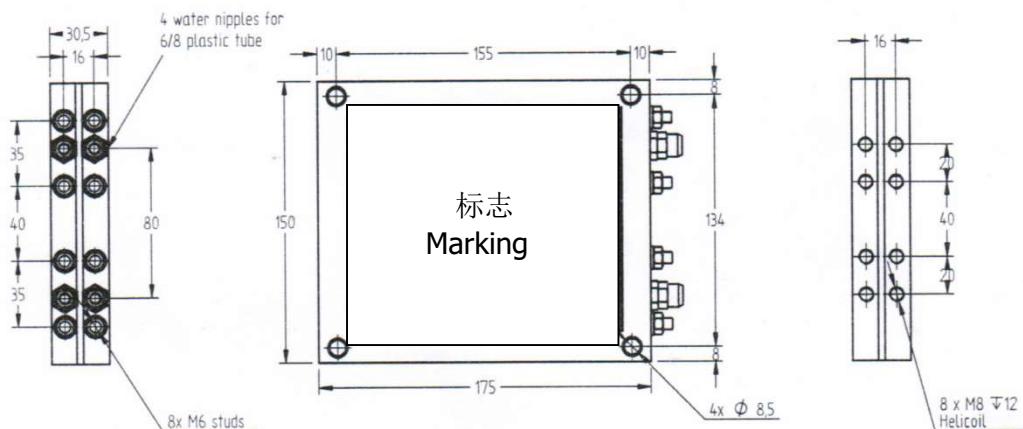
■ 标准品一览表 Standard size

静电容量 Cap(uF)	容量 (kVar)	额定电压 Rated Voltage (V)	Irms (A)	Upeak (V)	Frequency @Full Power (kHz)	ESL (nH)	Outline size (mm)	Weight (Kg)	Part number
0.4	800	700	1200	990	650~700	5	160*120*37.5	4	C86404****□2628SWC
0.8	"	"	1500	"	325~560	"	"	"	C86804****□2628SWC
1.4	"	"	"	"	186~320	"	"	"	C86105****□2628SWC
2.7	"	"	"	"	96~166	"	"	"	C86275****□2628SWC
4.0	"	600	"	850	88~112	"	"	"	C86405****□2428SWC
5.3	"	"	"	"	67~84	"	"	"	C86535****□2428SWC
11	750	500	"	710	43	"	"	"	C86116****□2Y27SWC
19	600	400	"	570	31	"	"	"	C86196****□2W24SWC

◆ 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

■ Outline drawing/外形图



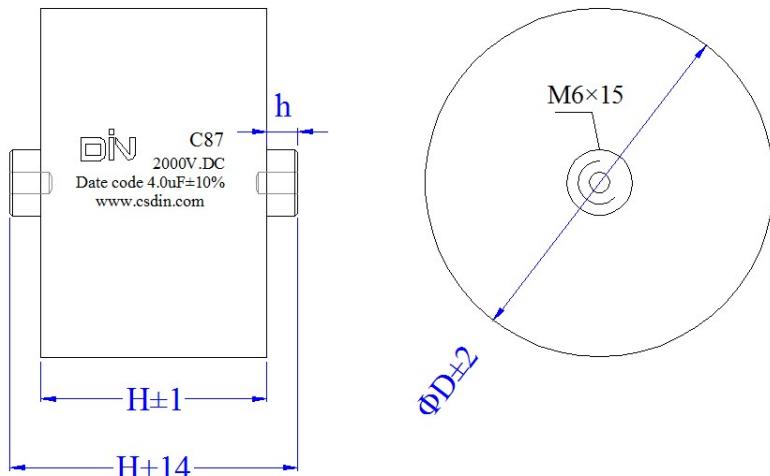
■ 标准品一览表 Standard size

静电容量 Cap(uF)	容量 (kVar)	额定电压 Rated Voltage (V)	Irms (A)	Upeak (V)	Frequency @Full Power (kHz)	ESL (nH)	Outline size (mm)	Weight (Kg)	Part number
0.5	1500	1000	1750	1410	477~650	5	177*150*37.5	4.8	C86504****□3A3GSWC
1	“	“	“	“	239~325	“	“	“	C86105****□3A3GSWC
1.7	“	“	“	“	140~191	“	“	“	C86175****□3A3GSWC
3.3	“	900	1270	1270	89~201	“	“	“	C86335****□203GSWC
5	“	800	1130	1130	75~133	“	“	“	C86505****□283GSWC
6.6	“	700	990	990	74~145	“	“	“	C86665****□263GSWC
13.2	“	600	850	850	50~72	“	“	“	C8613B****□243GSWC
24	“	500	710	710	40	“	“	“	C86246****□2Y3GSWC

- ◆ 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
- ◆ 1.“****”表示内部特征码；“****”=Internal use
- ◆ 2. “□”表示容量偏差；“□”= Capacitance tolerance

C87 系列 SERIES

■ 外形图 Outline Drawing



■ 特点

- 自感小、等效串联电阻小
- 高脉冲电流、高 dv/dt 承受能力
- 高频大电流承受能力

■ Features

- Low ESL, Low ESR
- High pulse Current, high dv/dt characteristics,
- High frequency and high current endurance

■ 主要用途

- 广泛应用于电焊机，电源，感应加热设备等谐振场合；

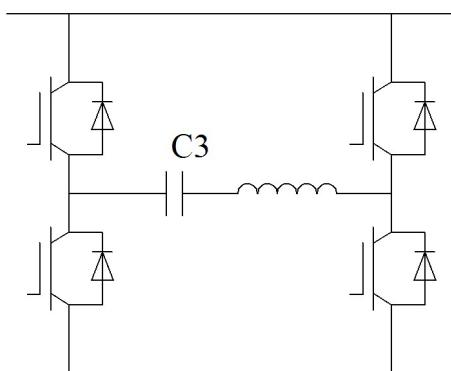
■ Typical application

- Widely used in Welding, power supplies, induction heating equipment resonance occasions.

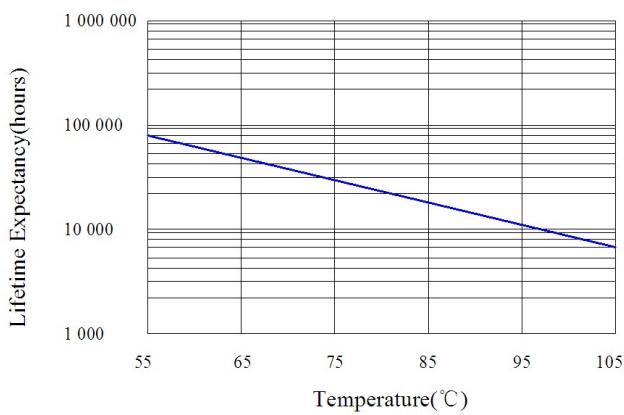
■ 技术参数 Technical Specifications

项目 Items	性能要求 Characteristics
引用标准/Reference standards	GB/T 17702 IEC 61071
工作温度范围/Operating temperature range	-40℃~85℃
容量范围/Capacitance	1μF ~8μF
额定电压/Rated Voltage	1200V.DC~4000V.DC
容量偏差/Tolerance	±5% ±10%
损耗角正切/Dissipation factor	$\text{tg}\delta \leq 10 \times 10^{-4}$ at 25°C±5°C, 10KHz
绝缘电阻/Insulation resistance	$C \cdot R \geq 5000S$, at 100V.DC, 25°C±5°C, 60s
极间耐电压/Test voltage between terminals	1.5Un (10S, 25°C±5°C)
极壳耐电压/Test voltage between terminals and case	3000V.AC(10S, 50/60Hz, 25°C±5°C)
最大安装扭矩/Max. Torque of Installation	5.0Nm
最大电极扭矩/Max. Torque of terminals	M6:3.0Nm M8:5.0Nm
最高使用海拔/Max Altitude	2000m

■ 典型线路/Typical circuit



■ 预期寿命曲线/ Expected lifetime curve



■ 产品编码说明/Part number code system

▲ 18位产品代码如下:

▲ The 18 digits part number is formed as follow:

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

1~3位: 型号代码

Digit 1~3: Series code

4~6位: 标称容量

Digit 4~6: Rated capacitance value

如: 104=10×10⁴PF=0.1uF

Example: 104=10×10⁴PF=0.1uF

7~10位: 内部特征码

Digit 7~10: Internal use

11位: 容量偏差

Digit 11: Capacitance tolerance

J=±5%、K=±10%、M=±20%

J=±5%、K=±10%、M=±20%

12~13位: 额定电压

Digit 12~13: Rated voltage

3C=1200V、3K=2000V、3S=3000V

24=600V、28=800V、20=900V

3W=4000V、3E=1300V、3F=1400V

3B=1100V、3E=1300V、3F=1400V

3G=1500V

3G=1500V

14~15位: 外形尺寸代码

Digit 14~15: Dimension code

14位 Digit 14		15位 Digit 15	
代码 Code	胶带宽 Tape width	代码 Code	引出端规格 Specifications of terminal
E	40mm	B	螺母M6*15*10
F	46mm	C	螺母M8*15*10
I	60mm		

16~17位: h高度

16~17位: Height for h

70=7.0mm 75=7.5mm ...

70=7.0mm 75=7.5mm ...

18位: 安装形式

Digit 18: Fix style

代码 Code	N	B	C
支架 Bracket	无支架	Φ 15*49	Φ 15*58

■ 标准品一览表 Standard size

静电容量 Cap(uF)	Outline size (mm)			ESR @100KHZ (A)	Ls (nH)	dv/dt (V/us)	I _{max} (A)	I _{rms} @25°C/100KHZ (A)	容量 (kVar)	Part number
	ΦD (mm)	H (mm)	H1 (mm)							
Un=1200V. DC, Urms: 500V. AC, Upeak: 710V. DC										
1.5	46	36	50	3.2	25	800	1200	45	20.3	C87155****□3CD*70○
2.0	53	“	“	2.4	“	750	1500	50	22.5	C87205****□3CD*70○
2.0	38	46	60	2.4	28	720	1440	33	14.9	C87205****□3CF*70○
3.0	64	36	50	1.6	23	680	2040	60	27.0	C87305****□3CD*70○
3.0	45	46	60	2.1	27	620	1860	40	18.0	C87305****□3CF*70○
4.0	52	“	“	1.6	26	550	2200	45	20.3	C87405****□3CF*70○
5.0	58	“	“	1.3	25	500	2500	53	23.9	C87505****□3CP*70○
6.0	63	“	“	1.1	23	450	2700	58	26.1	C87605****□3CF*70○
7.0	68	“	“	0.9	22	450	3150	60	27.0	C87705****□3CF*70○
8.0	73	“	“	0.8	20	400	3200	65	29.3	C87805****□3CF*70○
Un=2000V. DC, Urms: 750V. AC, Upeak: 1050V. DC										
1.0	41	40	54	4.0	27	1100	1100	38	25.7	C87105****□3KE*70○
1.5	50	“	“	2.7	26	1000	1500	48	32.4	C87155****□3KE*70○
2.0	58	“	“	2.0	25	900	1800	55	37.1	C87205****□3KE*70○
2.0	49	46	60	2.0	26	850	1700	45	30.4	C87205****□3KF*70○
3.0	70	40	54	1.3	23	750	2250	65	43.9	C87305****□3KE*70○
3.0	59	46	60	1.9	25	650	1950	55	37.1	C87305****□3KF*70○
4.0	81	40	54	1.4	22	600	2400	75	50.6	C87405****□3KE*70○
4.0	68	46	60	1.4	23	550	2200	62	41.9	C87405****□3KF*70○
5.0	76	“	“	1.1	22	500	2500	70	47.3	C87505****□3KF*70○
6.0	83	“	“	0.9	21	480	2880	75	50.6	C87605****□3KF*70○
Un=3000V. DC, Urms: 1200V. AC, Upeak: 1700V. DC										
0.33	43	46	60	7.2	26	1800	594	40	43.2	C87334****□3SF*70○
0.47	51	“	“	--	25	1700	799	48	51.8	C87474****□3SF*70○
0.50	53	“	“	4.8	“	1600	800	50	54.0	C87504****□3SF*70○
0.68	61	“	“	3.5	24	1500	1020	46	60.5	C87684****□3SF*70○
0.75	64	“	“	3.2	“	1400	1050	60	64.8	C87754****□3SF*70○
0.8	66	“	“	4.0	23	1350	1080	62	67.0	C87804****□3SF*70○
1.0	74	“	“	3.2	22	1300	1300	70	75.6	C87105****□3SF*70○
1.2	81	“	“	2.7	21	1250	1500	75	81.0	C87125****□3SF*70○
1.5	90	“	“	2.1	20	1200	1800	80	86.4	C87155****□3SF*70○

◆ 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

静电容量 Cap(uF)	Outline size (mm)			ESR @100KHZ (A)	Ls (nH)	dv/dt (V/us)	I [†] (A)	Irms @25°C/100KHZ (A)	容量 (kVar)	Part number
	ΦD (mm)	H (mm)	H1 (mm)							
Un=4000V. DC, Urms: 1500V. AC, Upeak:2100V. DC										
0.08	46	60	74	10.0	28	3000	240	40	51.0	C87803****□3WI*70○
0.1	51	“	“	8.0	27	2850	285	45	57.4	C87104****□3WI*70○
0.12	56	“	“	6.6	26	2750	330	50	63.8	C87124****□3WI*70○
0.15	63	“	“	8.5	25	2500	275	58	74.0	C87154****□3WI*70○
0.18	64	“	“	7.1	“	2400	432	60	76.5	C87184****□3WI*70○
0.25	80	“	“	5.1	23	2200	550	75	95.6	C87254****□3WI*70○
0.33	52	“	“	3.9	“	2000	660	48	61.2	C87334****□3WI*70○
0.47	62	“	“	5.1	22	1800	846	58	74.0	C87474****□3WI*70○
0.50	64	“	“	4.8	“	1700	850	60	76.5	C87504****□3WI*70○
0.68	75	“	“	3.5	20	1600	1088	70	89.3	C87684****□3WI*70○
0.75	78	“	“	3.2	“	1500	1125	72	91.8	C87754****□3WI*70○

◆ 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

◆ 1.“****”表示内部特征码；“****”=Internal use

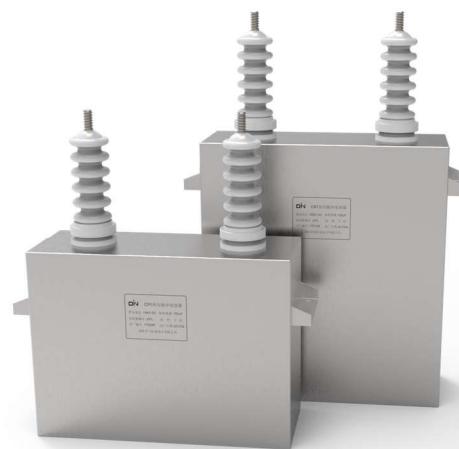
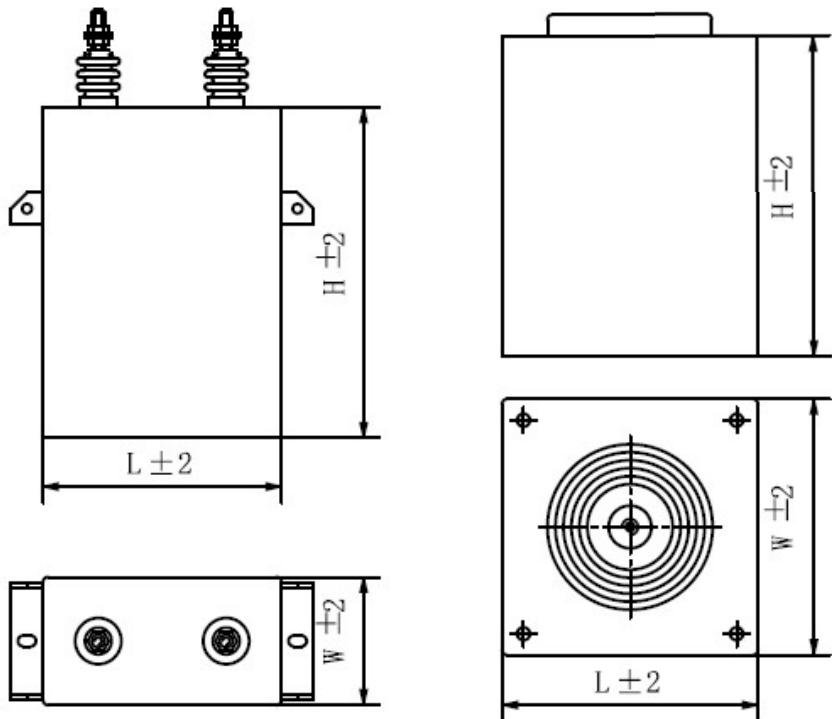
◆ 2. “□”表示容量偏差；“□”= Capacitance tolerance

◆ 3. “*”表示引出端型体；“*”= Specifications of terminals

◆ 4. “○”表示安装形式；“○”= Fix style

MKMJ 系列 SERIES

■ 外形图 Outline Drawing



■ 特点

- 金属外壳全密封结构
- 干式无油
- 电性能优异，可靠性高

■ Features

- Full sealed structure of metal shell
- Dry type design
- Excellent electrical performance and high reliability

■ 主要用途

- 广泛应用于能库能源系统储能

■ Typical application

- Widely used in Energy storage of energy system.

■ 技术参数 Technical Specifications

项目 Items	性能要求 Characteristics
引用标准/Reference standards	GB/T 4704-92
工作温度范围/Operating temperature range	-40°C ~ 85°C
容量范围/Capacitance	5μF ~ 80000μF
额定电压/Rated Voltage	1000V.DC ~ 10000V.DC
容量偏差/Tolerance	±5% ±10%
损耗角正切/Dissipation factor	$\operatorname{tg}\delta \leq 10 \times 10^{-4}$ at 25°C ± 5°C, 1KHz
绝缘电阻/Insulation resistance	C·R ≥ 7500S, at 100V.DC, 25°C ± 5°C, 60s
极间耐电压/Test voltage between terminals	1.1~1.5Un (2S, 25°C ± 5°C)
极壳耐电压/Test voltage between terminals and case	2Un, 1min
设计寿命/ (≤ 10%UR)	≥ 20000 次
最高使用海拔/Max Altitude	2000m

■ 标准品一览表 Standard size

静电容量 Cap(μF)	电压 (KV)	Outline size (mm)			额定储能 (kJ)	Ls (nH)	dv/dt (V/us)	I (KA)	Irms @25°C/100KHZ (A)	比能 (J/cm³)
		W (mm)	H (mm)	T (mm)						
10000	3	340	420	260	45	120	7.5	75	180	1.2
20000	"	390	740	"	90	"	"	150	250	"
4000	5	340	470	"	50	"	15	60	140	"
4800	"	"	565	"	60	"	18.75	90	180	"
6400	"	390	655	"	80	130	"	120	220	"
8000	"	"	820	"	100	"	"	150	280	"
1200	10	340	565	"	60	140	100	120	160	"
1600	"	"	750	"	80	"	112.5	180	210	"
2000	"	390	820	"	100	"	125	250	260	"
400	15	340	420	"	45	150	87.5	35	90	"
800	"	"	840	"	90	"	93.75	75	160	"
200	20	"	375	"	40	160	125	25	60	"
300	"	"	565	"	60	"	116.7	35	90	"
400	"	"	750	"	80	"	125	50	110	"
500	"	390	820	"	100	"	120	60	135	"
160	25	340	470	"	50	180	156	25	60	"
256	"	"	750	"	80	"	117	30	70	"
300	"	390	820	"	100	"	140	42	100	"

- ◆ 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