

YUWA®

裕华电容

RUVA CAPACITOR

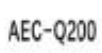


RUVA®

创新智造

家电 · 工业 · 新能源类薄膜电容器

Household Appliance · Industry · New Energy - Film Capacitor





企业简介

About us

宁国市裕华电器有限公司是一家专注于薄膜电容器和电源滤波器产品的研发、生产、销售及服务于一体的国家级高新技术企业，拥有国内外先进水平的薄膜电容器和电源滤波器生产制造设备和高精度的试验检测设备。公司目前已荣获“安徽省名牌产品”、“安徽省著名商标”、“省认定企业技术中心”、“工信部专精特新‘小巨人’企业”、CNAS国家认证实验室等荣誉，并先后通过ISO9001管理质量体系认证、ISO14001环境管理体系认证、IATF16949质量管理体系认证、ISO/TS 22163 轨道交通质量管理体系、ISO 50001:2018能源管理体系认证，主导产品薄膜系列电容器和电源滤波器先后取得CQC、VDE、TUV、UL、CUL、ENEC、AEC-Q200、ISI等国际权威认证。

自1997年成立以来，公司坚持以市场需求为导向、以技术创新作为企业发展的动力源，培育了一支研发经验丰富、自主创新能力极强的专业研发队伍，拥有多个国家发明和实用新型专利。宁国市裕华电器有限公司是全国电力电子电容器标准化技术委员会委员单位、全国能源行业无功补偿和谐波治理装置标准化技术委员会委员单位，同时也是上述两项标准的主要起草单位。

公司以贴近市场的技术研发、一流的品质和服务、快速灵活的响应速度获得了众多客户的高度认可和好评，在家用电器、电源、工业控制、汽车电子、绿色能源、轨道交通及电子电力等领域取得了骄人的市场业绩，今后我们将在技术创新上进一步提升，牢牢把握产品占据市场前沿技术至高点，不断加大高端智能制造设备的投入，以期在未来的薄膜电容器和电源滤波器领域处于行业领先地位。

“科学管理、追求卓越、竭诚服务、遵信守约”是企业的经营宗旨，争创一流的产品和服务，是公司努力追求的目标；致力于家用电器、工业控制、汽车电子、绿色能源等领域是公司未来发展的方向，前进中的裕华电器愿与各界朋友携手共进，共创美好明天。



Ningguo Yuhua Electrical Products Co.,Ltd. is a state-level high-tech enterprise specializing in the research and development, production, sale and service of thin film capacitors and EMI filters . Yuhua has advanced film capacitor and EMI filter production equipment at home abroad. The company has won the honor of "Anhui famous brand products "," Anhui famous trademark "," provincial recognized enterprise technology center ", "National 'Little Giant' Enterprise",CNAS National Certified Laboratory and has passed the ISO9001 management quality system certification, ISO14001 environmental management system certification, IATF16949 quality management system certification, ISO/TS 22163 IRIS certificate, ISO 50001 energy management system. Our leading products film capacitor and EMI filter have successively obtained CQC, VDE, TUV, UL, CUL, ENEC, AEC-Q200, ISI and other international authority certification.

Since its establishment in 1997, the company has adhered to market demand-oriented, technological innovation as the driving force for the development of enterprises, and has cultivated a professional R & D team with rich R & D experience and strong independent innovation ability, with many national invention and utility model patents. Yuhua is a member unit of the National Technical Committee for Standardization of Electric Power Electronic Capacitors, a member unit of the National Technical Committee for Standardization of reactive Power Compensation and Wave Control Devices in the Energy Industry, and is also the main drafting unit of the above two standards.

The company has been highly recognized and praised by lots of customers with advantages of the technology research and development closed to the market, first-class quality and service and fast and flexible response, which also has made the remarkable market performance in the fields of home appliances, power, industrial control, automotive electronics, green energy, rail transit, electric power and others, which will further enhance technological innovation, firmly grasp the most advanced technology in the market, constantly increased the investment of high-end intelligent manufacturing equipment, which will expect to be in the industry-leading position in the field of film capacitors and power filters in the future.

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发展历程 Development

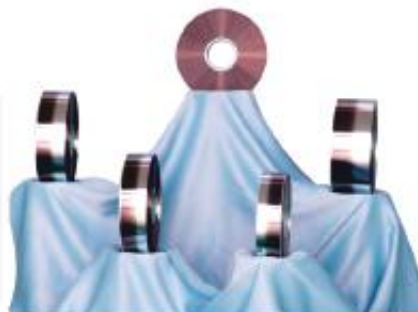
镀膜事业部

Capacitor Coating Division

拥有德国布勒莱宝光学高真空镀膜机，主要生产不同品种及规格的金属化电容膜。

We have a German Brehrenburg optical high vacuum coating machine, mainly producing metallized capacitor films of different varieties and specifications.

2022年



2019年

滤波器事业部

EMI Filter Division

事业部下辖滤波器、电抗器/变压器车间，拥有国内先进的EMC实验室，可免费为客户提供整机传导发射和抗扰度整改测试及服务。

Under the jurisdiction of the business unit, there are workshops for filters, reactors/transformers, and advanced EMC laboratories in China. We can provide customers with free testing and services for conducting emissions and improving immunity of the entire machine.



2019年

小型薄膜电容事业部

Small Film Capacitor Division

专业生产直流滤波器电容器，交流滤波器电容器，缓冲吸收电容器等其他板载式电容器。

We mainly produce DC filter capacitors, AC filter capacitors, buffer absorption capacitors, and other onboard capacitors.



2011年

电力电子事业部

Power Electronics Division

GB/T 17702-2021第2起草单位。事业部下辖：直流、交流滤波电容，新能源汽车电容，轨道交通、柔直输电、脉冲电容四大生产车间。

The second drafting unit of GB/T 17702-2021. Under the jurisdiction of the business unit, there are four major production workshops: DC and AC filter capacitors, new energy vehicle capacitors, rail transit, flexible direct transmission, and pulse capacitors.



1997年

家电事业部

Home Appliances Division

公司最早的产品事业部，冰箱电容市场占有率国内第一。现已成为美的、海尔、海信、格力、东芝、尼得科、Arcelik等国内外知名企业合格供应商。

The earliest product division of the company, with the largest market share of refrigerator capacitors in China. Now, it has become a qualified supplier of domestic and foreign well-known enterprises, such as Midea, Haier, Hisense, Gree, Toshiba, Nidec, Arcelik, etc.



D E V E L O P M E N T

轨道交通

Rail Transit

轨道交通、柔直输电系列产品可非标定制。
目前已与中车永济电机、许继有合作。

Rail transit and flexible direct transmission series products can be customized non-standard.
Currently, we have cooperated with CRRC Yongji Electric and Xu Jiyou.



工业控制

Industrial control

滤波器/电抗器系列产品广泛应用于家用电器、机器人、电梯、健身器材、工业及其他变频领域。
产品种类齐全，在市场有很好的口碑和品牌效应。

The filter/reactor series products are widely used in household appliances, robots, elevators, fitness equipment, industry, and other frequency conversion fields.
The product range is complete and has a good reputation and brand effect in the market.



绿色能源

Green energy

板载式薄膜电容器系列产品广泛应用于组串式光伏逆变器、组串式储能变流器、汽车电子、变频空调及工业电源中。
产品性能优于同行，品质稳定，工艺先进。

On board film capacitor series products are widely used in series Solar inverter, series energy storage converter, automotive electronics, variable frequency air conditioning and industrial power supply.
The product performance is superior to that of its peers, with stable quality and advanced technology.



新能源汽车

New energy vehicles

直流滤波、交流滤波系列产品主要应用于风光储、SVG、新能源汽车、轨道交通、柔直输电、脉冲发生器等领域。
产品研发能力强，装备先进。

The DC filter and AC filter series products of new energy vehicles are mainly used in fields such as wind and solar storage, SVG, new energy vehicles, rail transit, flexible direct transmission, pulse generators, etc.
Strong product development capabilities and advanced equipment.



家用电器

Household appliances

交流电动机产品主要应用于冰箱、空调、洗衣机等家电领域。
冰箱电容市场国内占有率第一。

AC motor products are mainly used in household appliances such as refrigerators, air conditioners, and washing machines.
The market share of refrigerator capacitors ranks first in China.



企业优势 Advantage

自动化生产线 Automatic production line



CNAS国家认证实验室 CNAS National Certified Laboratory

2023年5月裕华电器实验中心成为国家认证CNAS实验室。可满足薄膜电容的各项测试，主要包括老化实验区、环境模拟实验区、电学仪器实验区、破坏性防爆实验区、150kV高压直流实验区、EMC实验室等。实验室拥有各类专家和具备丰富经验的实验人员10余人。

In May 2023, Yuhua Electrical Appliances Experimental Center became a national certified CNAS laboratory. It can meet various tests of film capacitors, mainly including aging experimental area, environmental simulation experimental area, electrical instrument experimental area, destructive explosion-proof experimental area, 150kV high-voltage DC experimental area, EMC laboratory, etc. The laboratory has over 10 experts and experienced laboratory personnel.



企业客户 Customer

家用电器客户 Customers Of Household Appliance



电力电子客户 Customers Of Power Electronics



新能源汽车客户 Customers Of New Energy Vehicle



认证证书 Certificate

• ISO14001, ISO9001, GJB9001, ISO/TS 22163:2017, IATF 16949, ISO 50001: 2018



ISO9001



ISO14001



ISO/TS 22163

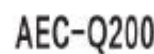


IATF16949



ISO 50001: 2018

• CQC, VDE, TUV, UL, CUL, ENEC, AEC-Q200, ISI



荣誉证书 Honor



专精特新“小巨人”企业
National 'Little Giant' Enterprise



省认定企业技术中心
Provincial enterprise technology center



安徽名牌
Anhui Famous Brand



安徽省名牌产品
Famous-brand Products
In Anhui Province



高新技术企业
High-tech Enterprise



安徽省著名商标
Anhui Famous Brand



高新技术企业证书
High-tech Enterprise Certificate



安徽名牌产品
Anhui Famous Brand Product Certificate



信息化与工业化融合示范企业
Informatization and Industrialization
Integration Demonstration Enterprise



省认定企业技术中心
Provincial Enterprise
Technology Center



中国电子元件行业协会理事单位
Director Unit of China Electronic
Components Association

交流电动机电容器 塑壳系列 CBB65 (S3,A,B,C级)

AC Motor Capacitor plastic casing Series

特点与用途

- ◆ 损耗小，绝缘电阻高；
- ◆ 自愈性良好，性能稳定；
- ◆ 体积小，耐压高；
- ◆ 安全膜防爆结构，安全性能可靠；
- ◆ 适用于冰箱压缩机的启动与运行。

Features & Applications

- ◆ Low loss, high insulation resistance.
- ◆ Self-healing and high stability.
- ◆ Small volume and high withstand voltage.
- ◆ Segment film structure safety class S3
- ◆ Applicable to startup and operating of the refrigerator compressor.



认证 Certification

	中国 China	GB/T 3667.1-2016 AC motor capacitors 250V:CQC15006136217 450V:CQC08002023815
	美国/加拿大 USA/Canada	UL810, CSA C22.2 No.190 capacitors "Protected", E317866
	德国 Germany	IEC 60252-1:2010 AC motor capacitors, 40024267
	印度 India	IS 2993 (1998): A.C. motor capacitors, CM/L-4100070767

技术参数 Technical Parameter

额定电压 Rated voltage	180Vac ~ 450Vac
损耗角正切值 Dissipation factor	$\tan \delta \leq 0.0020$ (100Hz)
气候类别 Climatic category	25/70/21 ~ 40/85/21
测试电压 Testing voltage	T-T: $2U_n/2s$ T-C: $\geq 200V_{ac}/2s$
运行等级 Operation class	A/B/C

电容量范围 Range of capacitance	$2 \mu F - 20 \mu F$
绝缘电阻 Insulation resistance	$\geq 3000s$ (20°C, 500V, 1min)
工作频率 Operating frequency	50/60Hz
安全防护等级 Safety class	S3

常用规格 Common Specification

- CBB65型450V塑壳螺栓式电容器外形尺寸表
Size table for CBB65 450V Capacitor in Plastic casing with bolt

C_n (μF)	U_n (Vac)	$D \pm 1$	$H \pm 2$	C_n (μF)	U_n (Vac)	$D \pm 1$	$H \pm 2$	引出线类型 Type of cable
2.0	450	28.0	60.0	2.5	450	28.0	60.0	H05VV-F- 2*0.75mm ² / H05V2V2-F- 2*0.75mm
3.0	450	28.0	60.0	3.5	450	30.0	60.0	
4.0	450	30.0	60.0	4.5	450	30.0	60.0	
5.0	450	32.0	60.0	6.0	450	35.0	60.0	

C_n (μF)	U_n (Vac)	$D \pm 1$	$H \pm 2$	C_u (μF)	U_u (Vac)	$D \pm 1$	$H \pm 2$	引出线类型 Type of cable
15.0	450	40.0	70.0	18.0	450	45.0	70.0	H05VV-F- 2*0.75mm ² / H05V2V2-F- 2*0.75mm
20.0	450	45.0	80.0	22.0	450	45.0	80.0	
25.0	450	48.0	80.0	30.0	450	50.0	80.0	

● **CBB65型250V塑壳螺栓式电容器外形尺寸表**

Size table for CBB65 250V Capacitor in Plastic casing with bolt

C_n (μF)	U_n (Vac)	$D \pm 1$	$H \pm 2$	C_u (μF)	U_u (Vac)	$D \pm 1$	$H \pm 2$	引出线类型 Type of cable
5.0	250	28.0	60.0	6.0	250	28.0	60.0	UL 2733- 2*18AWG/ UI 2733- 2*20AWG
8.0	250	30.0	60.0	10.0	250	35.0	60.0	
12.0	250	35.0	60.0	15.0	250	41.0	60.0	
18.0	250	41.0	60.0	20.0	250	41.0	60.0	
22.0	250	40.0	70.0	25.0	250	40.0	70.0	
30.0	250	45.0	70.0	35.0	250	45.0	70.0	
40.0	250	45.0	80.0	45.0	250	48.0	80.0	
50.0	250	50.0	80.0					

● **CBB65型450V塑壳M卡式电容器外形尺寸表**

Size table for CBB65 450V capacitor in Plastic casing with clip in shape M

C_n (μF)	U_n (Vac)	$D \pm 1$	$H \pm 2$	C_u (μF)	U_u (Vac)	$D \pm 1$	$H \pm 2$	引出线类型 Type of cable
2.0	450	28.0	60.0	2.5	450	28.0	60.0	H05VV-F- 2*0.75mm ² / H05V2V2-F- 2*0.75mm ²
3.0	450	30.0	60.0	3.5	450	30.0	60.0	
4.0	450	32.0	60.0	4.5	450	32.0	60.0	
5.0	450	35.0	60.0	6.0	450	35.0	60.0	
8.0	450	41.0	60.0	10.0	450	41.0	60.0	
10.0	450	40.0	70.0	12.0	450	40.0	70.0	
15.0	450	45.0	70.0	18.0	450	45.0	70.0	
20.0	450	45.0	80.0	22.0	450	45.0	80.0	
25.0	450	48.0	80.0	30.0	450	50.0	80.0	

● **CBB65型250V塑壳M卡式电容器外形尺寸表**

Size table for CBB65 250V capacitor in Plastic casing with clip in shape M

C_n (μF)	U_n (Vac)	$D \pm 1$	$H \pm 2$	C_u (μF)	U_u (Vac)	$D \pm 1$	$H \pm 2$	引出线类型 Type of cable
5.0	250	28.0	60.0	6.0	250	28.0	60.0	UI2733- 2*18AWG/ UL 2733- 2*20AWG
8.0	250	35.0	60.0	10.0	250	35.0	60.0	
12.0	250	35.0	60.0	15.0	250	41.0	60.0	
18.0	250	41.0	60.0	20.0	250	41.0	60.0	
22.0	250	40.0	70.0	25.0	250	40.0	70.0	
30.0	250	45.0	70.0	35.0	250	45.0	70.0	
40.0	250	45.0	80.0	45.0	250	48.0	80.0	

*表中所列尺寸为公司常用规格尺寸，其他规格尺寸均可按照客户要求生产

*The listed dimension on the above chart is our common specifications, we can produce as customer's requests.

交流电动机电容器 引线式

AC Motor Capacitor Cable Type

CBB65-A (S2,A,B,C级)

特点与用途

- 损耗小，绝缘电阻高；
- 自愈性良好，性能稳定；
- 体积小，耐压高；
- 内部装有防爆装置，安全性能可靠；
- 适用于空调、冰箱压缩机等启动与运行；

Features & Applications

- ◆ Low loss, high insulation resistance.
- ◆ Excellent self-healing and high stability.
- ◆ Small volume and withstand high voltage.
- ◆ Built-in explosion-proof device, reliable safety performance.
- ◆ Applicable to startup and operating of the compressor of air-conditioning and refrigerator.



认证 Certification

	中国 China	GB/T 3667.1-2016 AC motor capacitors 250V:CQC15006136218 450V:CQC06002017922
	美国/加拿大 USA/Canada	UL810, CSA C22.2 No.190 capacitors "Protected", E317866
	德国 Germany	IEC 60252-1:2010 AC motor capacitors,40026610
	德国 Germany	EN 60252-1:2011 + A1 AC motor capacitors,R 50447619
	印度 India	IS 2993 (1998): A.C. motor capacitors,CM/L-4100070767

技术参数 Technical Parameter

额定电压 Rated voltage	180Vac ~ 450Vac
损耗角正切值 Dissipation factor	$\tan \delta \leq 0.0020(100\text{Hz})$
气候类别 Climatic category	25/70/21 - 40/85/21
测试电压 Testing voltage	T-T:2U _n /2s T-C:≥2000Vac/2s
运行等级 Operation class	A/B/C

电容量范围 Range of capacitance	(1+0) μF ~ (70+15) μF, 75 μF ~ 100 μF
绝缘电阻 Insulation resistance	≥ 3000s (20°C, 500V, 1min)
工作频率 Operating frequency	50/60Hz
安全防护等级 Safety class	S2

常用规格 Common Specification

- CBB65-A型450V铝壳引线式电容器外形尺寸表
Size table for CBB65-A 450V Capacitor in Aluminum casing with cable

C _n (μF)	U _n (Vac)	D ± 1	H ± 2	C _n (μF)	U _n (Vac)	D ± 1	H ± 2	引出线类型 Type of cable
2.0	450	30.0	75.0	2.5	450	30.0	75.0	H05VV-F-
3.0	450	30.0	75.0	3.5	450	30.0	75.0	2*0.75mm ² /
4.0	450	30.0	75.0	4.5	450	35.0	75.0	H05V2V2-F-
5.0	450	35.0	75.0	6.0	450	35.0	75.0	2*0.75mm ²

● **CBB65-A型450V铝壳引线式电容器外形尺寸表**

Size table for CBB65-A 450V Capacitor in Aluminum casing with cable

C_n (μF)	U_n (Vac)	$D \pm 1$	$H \pm 2$	C_n (μF)	U_n (Vac)	$D \pm 1$	$H \pm 2$	引出线类型 Type of cable
16.0	450	40.0	95.0	18.0	450	45.0	95.0	H05VV-F-
22.0	450	50.0	95.0	20.0	450	45.0	95.0	2*0.75mm ² / H05V2V2-F-
25.0	450	50.0	95.0	30.0	450	50.0	100.0	2*0.75mm ²

● **CBB65-A型250V铝壳引线式电容器外形尺寸表**

Size table for CBB65-A 250V Capacitor in Aluminum casing with cable

C_n (μF)	U_n (Vac)	$D \pm 1$	$H \pm 2$	C_n (μF)	U_n (Vac)	$D \pm 1$	$H \pm 2$	引出线类型 Type of cable
5.0	250	30.0	75.0	6.0	250	30.0	75.0	UL 2733- 2*18AWG/ UL 2733- 2*20AWG
8.0	250	35.0	75.0	10.0	250	35.0	75.0	
12.0	250	35.0	75.0	15.0	250	35.0	82.0	
18.0	250	35.0	90.0	20.0	250	35.0	90.0	
22.0	250	40.0	90.0	25.0	250	40.0	90.0	
30.0	250	40.0	95.0	35.0	250	45.0	95.0	
40.0	250	45.0	95.0	45.0	250	50.0	95.0	

备注：

- 1、表中所列尺寸为公司常用规格尺寸，其他规格尺寸均可按照客户要求生产；
- 2、上述数据若有更改恕不另行通知；
- 3、产品认证可按照客户要求要求进行标识。

REMARKS

1. The listed dimension on the above chart is our common specifications, we can produce as customer' s requests.
2. The datas are subject to change without notice.
3. The certificate marks can be printed on the product as customer' s requests.

交流电动机电容器 AC Motor Capacitor

插片式 Terminal Type

CBB65-A (S2,A,B,C级)

特点与用途

- 损耗小，绝缘电阻高；
- 自愈性良好，性能稳定；
- 体积小，耐压高；
- 内部装有防爆装置，安全性能可靠；
- 适用于空调、冰箱压缩机等启动与运行；

Features & Applications

- ◆ Low loss, high insulation resistance.
- ◆ Excellent self-healing and high stability.
- ◆ Small volume and withstand high voltage.
- ◆ Built-in explosion-proof device, reliable safety performance.
- ◆ Applicable to startup and operating of the compressor of air-conditioning and refrigerator.



认证 Certification

	中国 China	GB/T 3667.1-2016 AC motor capacitors 250V:CQC15006136218 450V:CQC06002017922
	美国/加拿大 USA/Canada	UL810, CSA C22.2 No.190 capacitors "Protected", E317866
	德国 Germany	IEC 60252-1:2010 AC motor capacitors,40026610
	德国 Germany	EN 60252-1:2011 + A1 AC motor capacitors,R 50447619
	印度 India	IS 2993 (1998): A.C. motor capacitors,CM/L-4100070767

技术参数 Technical Parameter

额定电压 Rated voltage 180Vac ~ 450Vac

损耗角正切值 Dissipation factor $\tan \delta \leq 0.0020(100\text{Hz})$

气候类别 Climatic category 25/70/21 ~ 40/85/21

测试电压 Testing voltage T-T:2U_n/2s
T-C:≥2000Vac/2s

运行等级 Operation class A/B/C

电容量范围 Range of capacitance (1+0) μF - (70+15) μF, 75 μF - 100 μF

绝缘电阻 Insulation resistance ≥3000s (20°C, 500V, 1min)

工作频率 Operating frequency 50/60Hz

安全防护等级 Safety class S2

常用规格 Common Specification

● CBB65-A型铝壳插片式电容器外形尺寸表

Size table for CBB65-A capacitor in Aluminum casing with terminals

C _n (μF)	U _n (Vac)	D ± 1	H ± 2	C _n (μF)	U _n (Vac)	D ± 1	H ± 2
10.0	450	45.0	55.0	10.0	450	40.0	65.0
12.0	450	45.0	60.0	12.0	450	40.0	75.0
12.5	450	45.0	60.0	13.0	450	45.0	60.0
15.0	450	40.0	75.0	15.0	450	45.0	70.0

● CBB65-A型铝壳插片式电容器外形尺寸表

Size table for CBB65-A capacitor in Aluminum casing with terminals

C_n (μF)	U_n (Vac)	$D \pm 1$	$H \pm 2$	C_n (μF)	U_n (Vac)	$D \pm 1$	$H \pm 2$
15.0	450	45.0	65.0	16.0	450	45.0	70.0
16.0	450	45.0	75.0	18.0	450	50.0	70.0
20.0	450	50.0	70.0	25.0	450	50.0	75.0
25.0	450	50.0	80.0	25.0	450	50.0	85.0
25.0	450	45.0	90.0	30.0	450	55.0	75.0
30.0	450	55.0	80.0	30.0	450	50.0	85.0
30.0	450	50.0	90.0	30.0	450	45.0	100.0
35.0	450	55.0	85.0	35.0	450	55.0	90.0
35.0	450	50.0	95.0	35.0	450	50.0	100.0
35.0	450	45.0	110.0	40.0	450	60.0	85.0
40.0	450	55.0	90.0	40.0	450	55.0	95.0
40.0	450	50.0	100.0	40.0	450	50.0	105.0
40.0	450	50.0	110.0	45.0	450	60.0	90.0
45.0	450	55.0	95.0	45.0	450	55.0	100.0
45.0	450	55.0	105.0	45.0	450	50.0	110.0
50.0	450	60.0	100.0	50.0	450	55.0	105.0
50.0	450	55.0	110.0	50.0	450	50.0	120.0
55.0	450	55.0	110.0	55.0	450	55.0	115.0
55.0	450	55.0	120.0	60.0	450	55.0	115.0
60.0	450	55.0	120.0	60.0	450	55.0	125.0
60.0	450	55.0	130.0	65.0	450	60.0	115.0
65.0	450	55.0	120.0	65.0	450	55.0	125.0
65.0	450	55.0	130.0	70.0	450	60.0	115.0
70.0	450	60.0	120.0	70.0	450	60.0	125.0
70.0	450	55.0	130.0	75.0	450	60.0	120.0
75.0	450	60.0	130.0	75.0	450	60.0	125.0
80.0	450	60.0	125.0	80.0	450	60.0	130.0
85.0	450	60.0	130.0	90.0	450	60.0	150.0
95.0	450	60.0	150.0	100.0	450	60.0	150.0

备注：

- 1、表中所列尺寸为公司常用规格尺寸，其他规格尺寸均可按照客户要求生产；
- 2、上述数据若有更改恕不另行通知；
- 3、产品认证可按照客户要求要求进行标识。

REMARKS

1. The listed dimension on the abovet chart is our common specifications, we can produce as customer' s requests.
2. The datas are subject to change without notice.
3. The certificate marks can be printed on the product as customer' s requests.

交流电动机起动电容器

AC Motor Starting Capacitor

铝壳系列

Aluminum Casing Series

CBB65-B (S2)

特点与用途

- ◆ 损耗小，绝缘电阻高；
- ◆ 自愈性良好，性能稳定；
- ◆ 体积小，耐压高；
- ◆ 内部装有防爆装置，安全性能可靠；
- ◆ 适用于空调、冰箱压缩机等启动；

Features & Applications

- ◆ Low loss, high insulation resistance.
- ◆ Excellent self-healing and high stability.
- ◆ Small volume and high withstand voltage.
- ◆ Built-in explosion-proof device, reliable safety performance.
- ◆ Applicable to start of air-conditioning and refrigerator.



认证

Certification

	中国 China	GB/T 3667.1-2016 AC motor capacitors 250V:CQC15006136217 450V:CQC08002023815
	德国 Germany	IEC 60252-1/2:2010 AC motor capacitors,40052807
	美国/加拿大 USA/Canada	UL810, CSA C22.2 No.190 capacitors "Protected", E317866
	德国 Germany	EN 60252-1/2:2011 + A1 AC motor capacitors,R 50439377

技术参数

Technical Parameter

额定电压 Rated voltage	160Vac - 330Vac+250Vac - 450Vac	电容量范围 Range of capacitance	起动电容:20 μF - 280 μF 运行电容: 0 μF - 75 μF
损耗角正切值 Dissipation factor	$\tan \delta < 0.0120(100\text{Hz})$	绝缘电阻 Insulation resistance	T-C: $\geq 2000\text{M}\Omega$
气候类别 Climatic category	25/70/21 ~ 40/85/21	工作频率 Operating frequency	50/60Hz
测试电压 Testing voltage	T-T: 1.2UN/2s+T-T: 2UN/2s T-C: $\geq 2000\text{Vac}/2\text{s}$	安全防护等级 Safety class	S2
额定工作周期 Rated working cycle	1min/1.67%+B		

常用规格

Common Specification

C_n (μF)	U_n (Vac)	ΦDxH (mm)	C_n (μF)	U_n (Vac)	ΦDxH (mm)
50	330	40x60	160	330	45x95
60	330	40x65	160	330	45x115
75	330	40x70	170	330	50x90
80	330	45x65	200	330	50x95
100	330	45x75	220	330	50x100
125	330	45x80	240	330	50x105
140	330	45x110	260	330	55x100
150	330	45x90	280	330	55x100

备注:

- 1、表中所列尺寸为公司常用规格尺寸，其他规格尺寸均可按照客户要求生产；
- 2、上述数据若有更改恕不另行通知；
- 3、产品认证可按照客户要求来进行标识。

REMARKS

1. The listed dimension on the above chart is our common specifications, we can produce as customer's requests.
2. The datas are subject to change without notice.
3. The certificate marks can be printed on the product as customer's requests.

(S3,A,B,C级) CBB65-C

铝壳系列
Aluminum Casing Series

交流电动机电容器
AC Motor Capacitor

特点与用途

- ◆ 损耗小，绝缘电阻高；
- ◆ 自愈性良好，性能稳定；
- ◆ 体积小，耐压高；
- ◆ 安全膜防爆结构，安全性能可靠；
- ◆ 适用于冰箱压缩机的启动与运行。

Features & Applications

- ◆ Low loss, high insulation resistance.
- ◆ Self-healing and high stability.
- ◆ Small volume and high withstand voltage.
- ◆ Segment film structure safety class S3
- ◆ Applicable to startup and operating of the refrigerator compressor.



认证 Certification

	中国 China	GB/T 3667.1-2016 AC motor capacitors 250V:CQC15006136217 450V:CQC08002023815
	美国/加拿大 USA/Canada	UL810, CSA C22.2 No.190 capacitors "Protected", E317866
	德国 Germany	IEC 60252-1:2010 AC motor capacitors, 40024267
	印度 India	IS 2993 (1998): A.C. motor capacitors, CML-4100070767

技术参数 Technical Parameter

额定电压 Rated Voltage	180Vac ~ 450Vac
损耗角正切值 Dissipation Factor	$\tan \delta \leq 0.0020(100\text{Hz})$
气候类别 Climatic Category	25/70/21 ~ 40/85/21
测试电压 Testing Voltage	T-T: 2UN/2s T-C: $\geq 2000\text{Vac}/2\text{s}$
运行等级 Operation Class	A/B/C

电容范围 Range Of Capacitance	2 μF ~20 μF
绝缘电阻 Insulation Resistance	$\geq 3000\text{s}(20^\circ\text{C}, 500\text{V}, 1\text{min})$
工作频率 Operating Frequency	50/60Hz
安全防护等级 Safety Class	S3

常用规格 Common Specification

C_n (μF)	U_n (Vac)	$D \pm 1$	$H \pm 2$	C_n (μF)	U_n (Vac)	$D \pm 1$	$H \pm 2$	引出线类型 Type of cable
2.0	450	25.0	55.0	5.0	250	25.0	55.0	H05VV-F- 2*0.75mm ² / H05V2V2-F- 2*0.75mm
3.0	450	25.0	55.0	8.0	250	28.0	55.0	
4.0	450	28.0	55.0	12.0	250	32.0	55.0	
5.0	450	30.0	55.0	18.0	250	40.0	55.0	
8.0	450	35.0	55.0	22.0	250	42.0	55.0	
12.0	450	42.0	55.0	30.0	250	45.0	60.0	

交流电动机电容器

AC Motor Capacitor

塑壳系列

Safety Class

CBB61-A

(S3,B级)

特点与用途

- 损耗小，绝缘电阻高；
- 自愈性良好，性能稳定；
- 一般采用矩形阻燃塑料外壳，环氧树脂全密封结构；
- 安全膜防爆结构，安全性能可靠；
- 适用于电风扇、排风扇、电动水泵，有助于电动机的启动与运行；

Features & Applications

- Low loss, high insulation resistance.
- Excellent self-healing, high stability.
- Using flame-retardant rectangle plastic shell, full-sealed structure and potted with epoxy resin.
- Explosion-proof structure with segment film, reliable safety performance.
- Applicable to electric fan, ventilator and electric water pump and facilitate and help for the startup and operating of the motor.



认证 Certification

	中国 China	GB/T 3667. 1-2016 AC motor capacitors, CQC17002178501
	美国/加拿大 USA/Canada	UL810, CSA C22.2.No.190 capacitors "Protected" ,E317866
	德国 Germany	IEC 60252-1:2013 AC motor capacitors, R50404295

技术参数 Technical Parameter

额定电压 Rated voltage	450Vac
损耗角正切值 Dissipation factor	$\tan \delta \leq 0.002(100\text{Hz})$
气候类别 Climatic category	40/85/21
测试电压 Testing voltage	T-T:2U _n /2S
运行等级 Operation class	B

电容量范围 Range of capacitance	0.5 μ F ~ 20 μ F
绝缘电阻 Insulation resistance	$R_c \geq 3000\text{M}\Omega \mu\text{F}$ (20°C, 1min, 100Vdc)
工作频率 Operating frequency	50/60Hz
安全防护等级 Safety class	S3

常用规格 Common Specification

● CBB61-A型引线式电容器外形尺寸表

Size table for CBB61-A capacitor with tinned copper wire

C _n (μ F)	U _n (Vac)	W \pm 1 (mm)	H \pm 1 (mm)	T \pm 1 (mm)	P \pm 0.5 (mm)	引出线 Type of tinned copper wire
0.5	450	36.0	20.0	11.0	32.5	0.8
1.0	450	36.0	20.0	11.0	32.5	
1.2	450	36.0	22.0	12.0	32.5	
1.4	450	36.0	24.5	14.0	32.5	
1.5	450	36.0	24.5	14.0	32.5	
1.6	450	36.0	24.5	14.0	32.5	
1.8	450	36.0	26.0	16.0	32.5	
2.0	450	36.0	26.0	16.0	32.5	
2.2	450	36.0	27.0	17.0	32.5	
2.5	450	36.0	32.5	17.5	32.5	
2.8	450	36.0	32.5	17.5	32.5	
3.0	450	36.0	32.5	17.5	32.5	
3.5	450	36.0	34.0	20.0	32.5	1.0

● CBB61-A型引线式电容器外形尺寸表

Size table for CBB61-A capacitor with tinned copper wire

C_n (μF)	U_n (Vac)	$W \pm 1$ (mm)	$H \pm 1$ (mm)	$T \pm 1$ (mm)	$P \pm 0.5$ (mm)	引出线 Type of tinned copper wire
4.0	450	36.0	34.0	22.0	32.5	1.0
4.5	450	36.0	36.0	24.0	32.5	
5.0	450	36.0	37.0	25.0	32.5	
5.5	450	36.0	38.0	26.0	32.5	
6.0	450	36.0	39.0	27.0	32.5	
6.3	450	36.0	40.0	28.0	32.5	
6.5	450	36.0	40.0	28.0	32.5	

● CBB61-A型绝缘软引线式及插片式电容器外形尺寸表

Size table for CBB61-A capacitor with terminals

C_n (μF)	U_n (Vac)	$W \pm 1$ (mm)	$H \pm 1$ (mm)	$T \pm 1$ (mm)	$PA \pm 2$ (mm)	引出端 Type of terminal
1.0	450	37.0	22.0	13.0	25.0	UL1015-AWG18# AMP187#单、双插 AMP250#单、双插 single or double AMP 187#; single or double AMP 250# .
1.2	450	37.0	24.0	13.5	25.0	
1.4	450	37.0	25.0	15.0	25.0	
1.5	450	37.0	25.0	15.0	25.0	
1.6	450	37.0	26.0	15.0	25.0	
1.8	450	37.0	28.0	17.0	25.0	
2.0	450	37.0	28.0	17.0	25.0	
2.2	450	37.0	28.0	18.0	25.0	
2.5	450	37.0	30.0	18.0	25.0	
2.8	450	37.0	30.0	20.0	25.0	
3.0	450	37.0	30.0	20.0	25.0	
3.5	450	37.0	33.0	21.0	25.0	
4.0	450	37.0	34.0	22.0	25.0	
2.5	450	47.0	28.0	16.0	35.0	
3.0	450	47.0	29.0	17.0	35.0	
3.5	450	47.0	30.0	18.0	35.0	
4.0	450	47.0	31.0	18.0	35.0	
4.5	450	47.0	34.0	20.0	35.0	
5.0	450	47.0	34.0	22.0	35.0	
5.5	450	47.0	34.0	24.0	35.0	
6.0	450	47.0	36.0	24.0	35.0	
6.5	450	47.0	37.0	25.0	35.0	
7.0	450	47.0	38.0	26.0	35.0	
7.5	450	47.0	38.0	26.0	35.0	
8.0	450	47.0	40.0	28.0	35.0	
8.5	450	47.0	40.0	30.0	35.0	
9.0	450	47.0	40.0	30.0	35.0	
9.5	450	47.0	42.0	30.0	35.0	
10.0	450	47.0	42.0	30.0	35.0	
10.0	450	53.0	46.5	33.0	40.0	
11.0	450	53.0	46.5	33.0	40.0	
12.0	450	53.0	46.5	33.0	40.0	
12.5	450	57.0	50.0	35.0	45.0	
13.0	450	57.0	50.0	35.0	45.0	
14.0	450	57.0	50.0	35.0	45.0	
15.0	450	57.0	50.0	35.0	45.0	
17.5	450	57.0	54.0	38.0	45.0	
20.0	450	57.0	55.0	45.0	45.0	

备注：

- 1、表中所列尺寸为公司常用规格尺寸，其他规格尺寸均可按照客户要求生产；
- 2、上述数据若有更改恕不另行通知；
- 3、产品认证可按照客户要求标识。

REMARKS

1. The listed dimension on the above chart is our common specifications, we can produce as customer's requests.
2. The data are subject to change without notice.
3. The certificate marks can be printed on the product as customer's requests.

交流电动机电容器 AC Motor Capacitor

CBB60

(S0,C级)

特点与用途





- ◆ 损耗小，绝缘电阻高；
- ◆ 自愈性良好，性能稳定；
- ◆ 耐冲击电流，过载能力强；
- ◆ 适用于洗衣机、分马力电机，有助于电动机的启动与运行；

Features and applications

- ◆ Low loss, high insulation resistance.
- ◆ Excellent self-healing and high stability.
- ◆ Able to withstand impulse current and strong over-load capacity.
- ◆ Applicable to washing machine and fractional horsepower motor and facilitate and help for the startup and operating of the motor.



认证 Certification

	中国 China	GB/T 3667.1-2016 AC motor capacitors 450V:CQC06002017992 500V:CQC05002014180
	美国/加拿大 USA/Canada	UL810, CSA C22.2 No.190, E256239
	德国 Germany	EN 60252-1:2011 + A1 AC motor capacitors,R 50070712
	印度 India	IS 2993 (1998): A.C. motor capacitors,CM/L-4100070767

技术参数 Technical Parameter

额定电压 Rated voltage	450Vac/500Vac	电容量范围 Range of capacitance	1 µF-90 µF
损耗角正切值 Dissipation factor	$\tan \delta < 0.0020(100\text{Hz})$	绝缘电阻 Insulation resistance	$R_c \geq 5\ 000\text{M}\Omega \cdot \mu\text{F} (20^\circ\text{C}, 1\text{min}, 500\text{Vdc})$
气候类别 Climatic category	40/70/21	工作频率 Operating frequency	50/60Hz
测试电压 Testing voltage	T-T:2U _n /2S T-C:≥2000Vac/2s	安全防护等级 Safety class	S0
运行等级 Operation class	C		

常用规格
Common Specification

C_N (μF)	U_N (Vac)	$\Phi D \times H$ (mm)	C_N (μF)	U_N (Vac)	$\Phi D \times H$ (mm)
1	450	25x55	6	450	35x60
2	450	25x55	9	450	35x68
3	450	25x55	11	450	37x70
4	450	30x60	12	450	37x70
5	450	35x60	12	450	40x60

备注：

- 1、表中所列尺寸为公司常用规格尺寸，其他规格尺寸均可按照客户要求生产；
- 2、上述数据若有更改恕不另行通知；
- 3、产品认证可按照客户要求要求进行标识。

REMARKS

1. The listed dimension on the above chart is our common specifications, we can produce as customer' s requests.
2. The datas are subject to change without notice.
3. The certificate marks can be printed on the product as customer' s requests.

干式直流滤波电容器

Dry Type DC-filter Capacitor

YHA

特点与用途

- ◆ 采用耐高温聚丙烯薄膜介质，加厚型金属化电极，无感卷绕结构；
- ◆ 铝壳，导热性树脂灌封；
- ◆ 等效串联电阻小，能承受较大的纹波电流；
- ◆ 能承受高的峰值电流；
- ◆ 自感小，寿命长；
- ◆ 应用于直流滤波电路中，作滤波储能用，完全可替代电解。
- ◆ 风能发电，太阳能发电用变频器上；
- ◆ 高压变频，SVC，SVG等。

Features & Applications

- ◆ High-temperature resistant PP film as dielectric, thickening metallized electrodes, no inductance winding structure.
- ◆ Aluminum housing, potted with thermally conductive resin.
- ◆ Low equivalent series resistance and able to withstand high ripple current.
- ◆ Able to withstand impacting of high-peak current.
- ◆ Low self-inductance, long service life.
- ◆ Applicable to DC filter circuits used as filtering or energy storage and ideal to instead of electrolytic capacitor.
- ◆ Frequency converters of wind power and solar power.
- ◆ High voltage frequency converters, SVC, SVG, etc.



认证 Certification



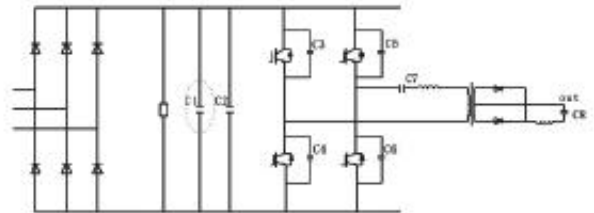
德国
Germany

IEC 61071:2007

技术参数 Technical Parameter

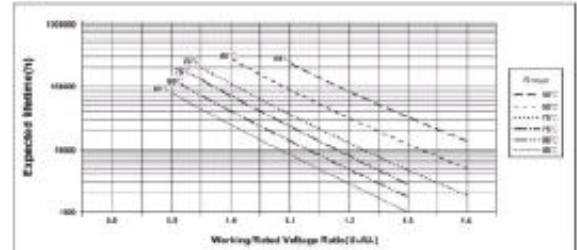
引用标准 Norms reference	IEC 61071, GB/T 17702
气候类别 Climatic category	40/75/56, 40/80/56, 40/85/56
工作温度 Working temperature	-40°C~75/80/85°C ϕ 76~96 [$\Theta_{max}(\text{hotspot}) \leq +85^\circ\text{C}$] ϕ 116 [$\Theta_{max}(\text{hotspot}) \leq +80^\circ\text{C}$] ϕ 136 [$\Theta_{max}(\text{hotspot}) \leq +75^\circ\text{C}$]
存储温度 Storage temperature	-40°C ~ +85°C
额定电压 Rated voltage	600Vdc~2000Vdc
电容量范围 Range of capacitance	90 μ F~5600 μ F
电容量允许偏差 Allowable capacitance deviation	$\pm 5\%$ (J), $\pm 10\%$ (K)
级间测试电压 Voltage test between terminals	1.5U _n (10s, 25°C \pm 5°C)
极壳测试电压 Voltage test between terminals and case	2U _n +1kVac or 3kVac take the higher one, (60s, 50Hz, 25°C \pm 5°C)
介质损耗角正切 Dielectric dissipation factor	2×10^{-4}
过电压 Over-voltage	1.1U _n (30% of on-load-dur) 1.15U _n (30min/day) 1.2U _n (5min/day) 1.3U _n (1min/day) 1.5U _n (30ms every time, 1000times)
失效率 Loss of efficiency	100 FIT
最大电极扭矩 Maximum terminal torque	6Nm
最大安装扭矩 Maximum installation torque	10Nm

典型线路 Typical circuit



预期寿命参考曲线 Life expectancy reference curve

Expected Lifetime curve



YHA常用规格
YHA Common Specification

● YHA 圆形干式直流滤波电容器

YHA Dry Type DC-filter capacitor (Round)

C _n (μF)	ESR (mΩ)	R _{th} (°C/W)	I _{max.} (A)	I _p (kA)	I _s (kA)	L _s (nH)	ΦD (mm)	H (mm)	Weight (kg)	Part Number
YHA 600, U _N =600Vdc, U _S =900Vdc, U _r =175V										
880	1.3	4.7	70	2.9	8.7	45	96	95	1.2	YHA601880J**
2000	1.1	4.9	80	3.96	11.88	55	116	140	1.75	YHA6012007J*2
5600	0.8	2	100	15.94	47.82	60	136	295	4.9	YHA6015607J**
YHA 700, U _N =700Vdc, U _S =1050Vdc, U _r =200V										
400	2.2	4.7	60	3.2	6.4	60	76	120	0.7	YHA7014006J**
650	1.5	4.4	65	5.85	11.7	50	86	155	1.25	YHA7016506J**
1800	0.8	2.7	100	14.4	28.8	50	116	230	2.9	YHA7011807J**
YHA 800, U _N =800Vdc, U _S =1200Vdc, U _r =200V										
209	1.7	5.6	69	1.53	4.59	45	76	95	0.6	YHA8012096J**
680	1.6	4.1	70	2.7	8.1	50	96	120	1.47	YHA8016806J**
980	1.1	3.2	70	5.23	15.69	45	96	174	2.28	YHA8019806J**
1800	0.8	2.7	100	10.91	32.73	50	116	230	2.8	YHA8011807J**
YHA 900, U _N =900Vdc, U _S =1350Vdc, U _r =225V										
420	2	4.2	65	3.78	7.55	55	76	175	1	YHA9014206J**
750	1.2	3.4	70	3.24	9.72	55	86	175	1.24	YHA9017506J00*
1200	1.4	4.9	80	3.86	11.58	55	116	140	1.75	YHA9011207J*1
1200	0.9	3.6	100	7.28	21.84	40	116	158	2	YHA9011207J*2
1800	0.8	2.7	100	10.91	32.73	50	116	230	2.8	YHA9011807J**
YHA 1000, U _N =1000Vdc, U _S =1500Vdc, U _r =250V										
360	1.9	4.3	70	2.74	8.22	40	76	155	0.9	YHA1023606J*2
900	1.3	3	70	5.96	17.88	55	86	252	1.8	YHA1029006J*1
1400	0.9	2.7	100	10.28	30.84	50	116	230	2.8	YHA1021407J**
2500	0.9	2	100	14.47	43.41	60	136	295	4.9	YHA1022507J**
YHA 1100, U _N =1100Vdc, U _S =1650Vdc, U _r =250V										
420	2	4.5	60	4.2	8.4	65	86	135	1.1	YHA1124206J*1
420	1.6	4.4	75	4.7	9.4	50	86	155	1.25	YHA1124206J*2
600	1.5	4.0	63	3.78	11.34	60	96	155	1.37	YHA1126006J00*
750	1.6	4.9	75	6	12	65	116	140	1.75	YHA1127506J**
1200	0.9	2.7	100	10.8	21.6	50	116	230	2.9	YHA1121207J**
YHA 1200, U _N =1200Vdc, U _S =1800Vdc, U _r =300V										
350	3	4	40	3	9	60	86	115	1	YHA1223506J**
500	2	4	60	5	15	60	86	180	1.4	YHA1225006J**
600	1.4	4.2	75	6	18	60	86	225	1.65	YHA1226006J*1
820	1.2	3.5	72	2.16	6.48	40	116	155	1.96	YHA1228206J00*
1700	1.5	4.5	90	10.2	30.6	60	136	260	4.9	YHA1221707J**
YHA 1300, U _N =1300Vdc, U _S =1950Vdc, U _r =300V										
210	2.1	4.3	70	2.64	7.92	40	76	155	0.9	YHA1322106J*2
520	1.5	3	70	5.67	17.01	55	86	252	1.8	YHA1325206J*1
430	1.6	5	75	3.44	10.32	50	116	120	1.5	YHA1324306J**
YHA 1300, U _N =1300Vdc, U _S =1950Vdc, U _r =300V										
540	1	3.6	100	6.77	20.31	40	116	158	2	YHA1325406J**
820	0.9	2.7	100	10.1	30.3	50	116	230	2.8	YHA1328206J**
1500	1	2	100	14.08	42.24	60	136	295	4.9	YHA1321507J**
YHA 1400, U _N =1400Vdc, U _S =2100Vdc, U _r =330V										
170	4.6	4.6	46	1.29	3.87	55	76	140	0.75	YHA1421706J*1
240	1.9	4.4	70	3.47	10.41	40	86	155	1.25	YHA1422406J**
540	1.3	3.4	89	6.69	20.07	45	116	174	2.2	YHA1425406J**
YHA 1500, U _N =1500Vdc, U _S =2250Vdc, U _r =350V										
90	3.3	5.6	49	1.44	2.88	55	76	95	0.6	YHA1529005J**
200	3	4.6	57	2.6	5.2	65	86	135	1.1	YHA1522006J**
210	2	4.4	65	2.73	5.46	50	86	155	1.25	YHA1522106J**
YHA 1500, U _N =1500Vdc, U _S =2250Vdc, U _r =350V										
240	2.1	4.3	65	3.6	7.2	55	86	175	1.3	YHA1522406J**
470	1.3	3.4	89	5.64	11.28	60	116	175	2.2	YHA1524706J**
600	1	2.7	100	7.8	15.6	50	116	230	2.9	YHA1526006J**

*表中所列尺寸为公司常用规格尺寸, 其他规格尺寸均可按照客户要求生产

*The listed dimension on the above chart is our common specifications, we can produce as customer's requests.

单相交流滤波电容器

Single-phase AC filter capacitors

YHC

特点与用途

- 损耗小，高脉冲电流承受能力
- 良好的自愈性和耐压性，长期稳定性高
- 干式树脂填充，无泄漏风险，阻燃等级UL94 V-0
- 防爆设计，过压力保护更安全
- 低损耗，高脉冲电流耐受能力。
- 防尘罩或防震危险端子

Features

- Low dissipation factor, high pulse current withstand capability.
- Good self-healing and voltage withstand, high long term stability.
- Dry resin filling, no leakage risk, flame retardant grade UL94 V-0.
- Anti-explosion design, overpressure tear-off fuse and be more safety.
- Dust cover, or shock hazard protected terminal.

产品用途

- 电力电子设备或动力装置中的交流滤波电路
- 分用于风电、光伏、UPS等场合
- 用于功率传感器的交流滤波和电源系统

Applications

- AC-Filter circuit in power electronic Wind power.
- photovoltaic, UPS and other occasions.
- AC filtering and Power system for PFC.



技术参数 Technical Parameter

引用标准 Reference Standard	IEC 61071 (idt GB/T 17702) 自选IEC 60831 (idt GB/T 12747)	
额定频率 Rated Frequency (f_n)	50 / 60 Hz	
额定电容量 Rated capacitance (C_n)	10 μ F ~ 600 μ F	
连接方式 Connection method	单相 1 phase	
电容量偏差 Capacitance tolerance	$\pm 5\%$, $\pm 10\%$ or other	
过电压 Over-voltage (U_{ov})	1.1 U_{nec} : 8 h/d 1.15 U_{nec} : 30 min/d 1.2 U_{nec} : 5 min/d 1.3 U_{nec} : 1 min/d 1.5 U_{nec} : 50 ms x 1000 times	
介电损耗角正切 Tangent of the dielectric lost angle ($\tan \delta_e$)	0.0002	
损耗角正切 Tangent of the loss angle ($\tan \delta$)	≤ 0.0010 (100 Hz, 20°C)	
极间耐电压 Test voltage between terminals (U_{i-c})	2.15 U_{nec} or 1.5 U_n (50/60 Hz), 10 s	
极壳耐电压 Test voltage between terminals and case (U_{i-c})	4 000 Vac (50/60 Hz), 10 s	
绝缘电阻 Insulation resistance ($R_{in} \times C_n$)	$> 10000 \text{ s}$ (20°C, 500 V, 1 min)	
气候类别 Climatic category	40/70/56	
工作温度范围 Operating temperature range (θ_{avr})	$-40^\circ\text{C} \sim +70^\circ\text{C}$	
最高热点温度 Maximum hot-spot temperature (θ_{hc})	$+85^\circ\text{C}$	
贮存温度范围 Storage Temperature range (θ_s)	$-40^\circ\text{C} \sim +85^\circ\text{C}$	
最大允许湿度 Maximum permissible humidity	95%RH	
最高海拔 Maximum permissible altitude	2 000 m; 电流不降额 (No derating for current) 2000 m to 4000 m; 电流每500m按3%降额 (Decreasing factor 3% per 500 m for current)	
预期寿命 Expected lifetime	[$\Delta C/C$] $\leq 3\%$ after 100 000h @ 0.8 U_{avr} , $\theta_{hc} \leq 70^\circ\text{C}$	
冷却方式 Cooling method	自然空气或强制冷却 Naturally air-cooled or force cooled	

安全装置 Safety device	自愈特性和过压隔离开关 Self-healing property and overpressure disconnecter
引出端 Terminals	螺栓式端子: M8为6N·m, M10为8N·m Bolt terminals: 6N·m for M8, 8N·m for M10 插片式端子: M5为2N·m, M6为3N·m Clamp terminals: 2N·m for M5, 3N·m for M6
内部填充料 Internal stuffing	软态聚氨酯 Soft polyurethane I
安装位置 Mounting position	室内安装 Indoors
安装与接入方式 Mounting and grounding	外壳底部螺纹M12或M16螺栓接入, M12为 10N·m, M16为12N·m Threaded M12 or M16 stud on bottom of case, 10N·m for M12, 12N·m for M16
放电装置 Discharge device	可选内部或外部接入放电电阻或不放电电阻 Optional internal or external discharge resistor or without

外形图 Outline drawing



D	D1	M0 × H0	A		
			M × h	H1	I
76	81	M12 × 16	M6 × 15 M8 × 17	27 29	30
86	91	M12 × 16	M8 × 17 M10 × 18	29 30	30
96	101	M12 × 16	M8 × 17 M10 × 18	29 30	30
106	111	M12 × 16 M16 × 25	M8 × 17 M10 × 18	29 30	30
116	121	M12 × 16 M16 × 25	M8 × 17 M10 × 18	29 30	30
126	131	M12 × 16 M16 × 25	M8 × 17 M10 × 18	29 30	30
136	141	M12 × 16 M16 × 25	M10 × 18	30	30

常用规格表
Common Specification

C _v (μF)	φD (mm)	H (mm)	R _s (mΩ)	L _s (nH)	R _m (K/W)	I _v (A)	I _{max} (A)	I (kA)	I _s (kA)	Weight (kg)	PartNumber
Urms=250Vac U _v =350Vac U _i =800V											
150	76	120	2.8	140	7.3	12	35	2.4	7.2	0.6	YHC2511506****
180	76	130	2.9	160	6.7	14	35	2.4	7.2	0.6	YHC2511806****
200	76	130	2.7	160	6.5	16	37	2.7	8.1	0.6	YHC2512006****
300	76	200	1.9	140	4.7	24	51	4.8	14.4	1	YHC2513006****
400	86	200	1.6	140	4.3	31	57	6.4	19.2	1.3	YHC2514006****
500	86	220	1.7	160	3.8	39	59	6.6	19.8	14.4	YHC2515006****
600	86	250	1.8	190	3.4	47	59	6.2	18.6	1.6	YHC2516006****
Urms=330Vac U _v =460Vac U _i =1000V											
100	76	120	3.1	140	7.4	10	31	1.6	4.8	0.6	YHC3311006****
150	76	145	3.5	190	6.1	16	32	1.6	4.8	0.7	YHC3311506****
200	76	200	2	140	4.8	21	47	3.2	9.6	1	YHC3312006****
300	86	200	1.7	140	7.8	31	54	4.8	14.4	1.3	YHC3313006****
350	86	220	1.7	160	6.8	36	55	4.6	13.8	1.4	YHC3313506****
400	86	250	2	190	9.8	41	54	4.1	12.3	1.6	YHC3314006****
Urms=500Vac U _v =700Vac U _i =1500V											
50	76	120	2.6	140	7.5	8	32	1.2	3.6	0.6	YHC5015005****
80	76	145	2.8	190	6.1	13	34	1.2	3.6	0.8	YHC5018005****
100	76	200	1.7	140	4.9	16	48	2.3	6.9	1.1	YHC5011006****
150	86	200	1.4	140	4.2	24	55	3.5	10.5	1.1	YHC5011506****
200	86	220	1.4	160	3.7	31	58	3.9	11.7	1.2	YHC5012006****
250	86	250	1.5	190	3.2	39	59	3.6	11.4	1.4	YHC5012506****
Urms=540Vac U _v =760Vac U _i =1600V											
33	76	105	1.8	120	6.3	8	33	1.4	4.2	0.5	YHC5413305****
47	76	120	2.4	140	7.1	8	33	1.1	3.3	0.6	YHC5414705****
60	76	145	3.1	190	6.2	10	33	0.9	2.7	0.7	YHC5416005****
100	86	170	1.3	110	4.6	17	54	3.3	9.9	1	YHC5411006****
120	76	250	2.1	190	3.8	20	49	1.6	5.4	1.2	YHC5411206****
150	86	250	1.9	190	3.6	25	53	2.3	6.9	1.5	YHC5411506****
200	96	250	1.6	190	3.2	34	58	3	9	1.9	YHC5412006****
250	106	250	1.4	190	2.9	42	62	3.8	11.4	2.3	YHC5412506****
300	106	250	1.3	190	2.7	51	64	4.5	13.5	2.3	YHC5413006****
Urms=600Vac U _v =850Vac U _i =1800V											
22	76	105	2.6	120	8.2	4	28	0.8	2.4	0.5	YHC6012205****
33	76	120	2.7	140	7.1	6	31	0.8	2.4	0.6	YHC6013305****
47	76	170	2.1	120	5.3	9	41	1.7	5.1	0.8	YHC6014705****
50	76	170	2.1	120	5.2	9	42	1.8	5.4	0.8	YHC6016005****
100	76	250	2.2	190	3.5	19	51	1.6	4.8	1.2	YHC6011006****
150	96	250	1.7	190	3.1	28	57	2.4	7.2	1.9	YHC6011506****
180	106	250	1.6	190	2.8	34	62	2.9	8.7	2.3	YHC6011806****
200	116	250	1.4	190	2.8	38	64	3.3	9.9	2.8	YHC6012006****
Urms=690Vac U _v =980Vac U _i =2000V											
22	76	105	2.4	120	8.1	5	28	0.9	2.7	0.5	YHC6912205****
33	76	170	2.1	120	6	7	36	1.3	3.9	0.8	YHC6913305****
60	86	200	2	140	4.6	13	43	1.7	5.1	1.2	YHC6916005****
100	86	250	1.8	190	3.5	22	52	1.8	5.4	1.5	YHC6911006****
120	96	250	1.6	190	3.3	26	55	2.2	6.6	1.9	YHC6911206****
150	106	250	1.4	190	3	32	59	2.7	8.1	2.3	YHC6911506****
200	116	250	1.3	190	2.8	43	64	3.3	9.9	2.8	YHC6912006****
Urms=850Vac U _v =1200Vac U _i =2580V											
10	76	95	2.7	100	8.8	3	22	0.6	1.8	0.5	YHC8511005****
15	76	105	2.7	120	7.6	4	26	0.7	2.1	0.5	YHC8511505****
22	76	145	4.4	190	6.3	6	25	0.5	1.5	0.7	YHC8512205****
33	76	170	1.9	110	4.9	9	40	1.5	4.5	0.8	YHC8513305****
47	86	200	2.1	140	4.2	13	43	1.7	5.1	1.2	YHC8514705****
82	96	250	1.6	190	3.2	22	52	1.7	5.1	1.9	YHC8518205****
100	96	250	1.6	190	2.9	27	56	2.1	6.3	1.9	YHC8511006****
150	116	250	1.6	190	2.6	40	62	2.9	8.7	2.8	YHC8511506****

*表中所列尺寸为公司常用规格尺寸，其他规格尺寸均可按照客户要求生产

*The listed dimension on the above chart is our common specifications, we can produce as customer's requests.

三相交流滤波电容器

Three-phase AC filter capacitors

YHD

特点与用途

- 损耗小, 高脉冲电流承受能力
- 良好的自愈性和耐压性, 长期稳定性高
- 干式树脂填充, 无泄漏风险, 阻燃等级UL94 V-0
- 防爆设计, 过压力保护更安全
- 低损耗, 高脉冲电流耐受能力。
- 防尘罩或防震危险端子

Features

- Low dissipation factor, high pulse current withstand capability.
- Good self-healing and voltage withstand, high long term stability.
- Dry resin filling, no leakage risk, flame retardant grade UL94 V-0.
- Anti-explosion design, overpressure tear-off fuse and be more safety.
- Dust cover, or shock hazard protected terminal.

产品用途

- 电力电子设备或动力装置中的交流滤波电路
- 分用于风电、光伏、UPS等场合
- 用于功率传感器的交流滤波和电源系统

Applications

- AC-Filter circuit in power electronic Wind power.
- photovoltaic, UPS and other occasions.
- AC filtering and Power system for PFC.



技术参数

Technical Parameter

引用标准 Norms reference	IEC 61071 (idt GB/T 17702) 自选 IEC 60831 (idt GB/T 12747)
额定均方根电压 Rated RMS Voltage (U_{rms})	250 Vac ~ 1000 Vac
额定频率 Rated frequency f_n	50 or 60 Hz
额定电容量 Rated capacitance (C_n)	10 μ F ~ 600 μ F
连接方式 Connection Method	Δ , Y
电容偏差 Capacitance tolerance	$\pm 5\%$, $\pm 10\%$ or other
过电压 Over-voltage (U_{ov})	1.1 U_{rms} : 8 h/d 1.2 U_{rms} : 5 min/d 1.3 U_{rms} : 1 min/d 1.5 U_{rms} : 50 ms \times 1000 times
介质损耗角正切 Tangent of the dielectric lost angle ($\tan \delta_v$)	0.0002
损耗角正切 Tangent of the loss angle ($\tan \delta$)	< 0.0010 (100 Hz, 20°C)
极间耐电压 Test voltage between terminals (U_{tr})	2.15 U_{ov} or 1.5 UN (50/60 Hz), 10 s
极壳耐电压 Test voltage between terminals and case (U_{tc})	4 000 Vac (50/60 Hz), 10 s
绝缘电阻 Insulation resistance ($R_{ins} \times C_n$)	≥ 10000 s (20°C, 500 V, 1 min)
气候类别 Climatic category	40/70/56
工作温度范围 Operating temperature range (θ_{amb})	-40°C ~ +70°C
最高热点温度 Maximum hot-spot temperature (θ_{hs})	+65°C
贮存温度范围 Storage Temperature range (θ_s)	-40°C ~ +65°C
最大允许湿度 Maximum permissible humidity	95%RH
最高海拔 Maximum permissible altitude	2 000 m: 电流不降额 (No derating for current) 2000 m to 4000 m: 电流每500m按3%降额 (Decreasing factor 3 % per 500 m for current)
预期寿命 Expected lifetime	($\Delta C/C$) $\leq 3\%$ after 100 000h @ 0.8 U_{rms} , $\theta_{amb} < 70^\circ\text{C}$

冷却方式 Cooling method

自然空气或强制冷却
Naturally air-cooled or force cooled

安全装置 Safety device

自愈特性和过压隔离开关
Self-healing property and overpressure disconnector

引出端 Terminals

螺栓式端子: M8为6N·m, M10为8N·m
Bolt terminals: 6N·m for M8, 8N·m for M10
插拔式端子: M5为2N·m, M6为3N·m
Clamp terminals: 2N·m for M5, 3N·m for M6

内部填充料 Internal stuffing

软态聚氨酯 Soft polyurethane I

安装位置 Mounting position

室内安装 Indoors

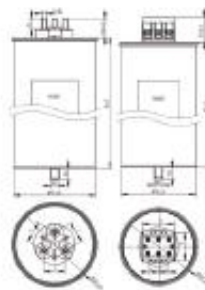
安装与接入方式 Mounting and grounding

外壳底部螺孔M12或M16螺栓接入
M12为10N·m, M16为12N·m
Threaded M12 or M16 stud on bottom of case
10N·m for M12, 12N·m for M16

放电装置 Discharge device

可选内部或外部接入放电电阻或不带放电电阻
Optional internal or external discharge resistor or without

外形图 Outline drawing



D	D1	M0 × H0	A			B			
			M × h	H1	W × T	H1			
76	81	M12 × 16	M8 × 15	27	30	45 × 44	36	15	
86	91	M12 × 16	M8 × 17	29	30	45 × 44	36	15	
			M10 × 18	30					
96	101	M12 × 16	M8 × 17	29	30	45 × 44	36	15	
			M10 × 18	30					
108	111	M12 × 16	M8 × 17	29	35	45 × 44	36	15	
			M16 × 25	M10 × 18					30
116	121	M16 × 25	M12 × 16	M8 × 17	29	35	45 × 44	36	15
			M10 × 18	30					
128	131	M16 × 25	M12 × 16	M8 × 17	29	35	45 × 44	36	15
			M10 × 18	30					
136	141	M16 × 25	M12 × 16	M8 × 17	29	35	45 × 44	36	15
			M10 × 18	30					

常用规格表
Common Specification

C_v (μF)	ΦD (mm)	H (mm)	R_{th} (m Ω)	L_v (nH)	Rth (K Ω)	I _{max} (A)	I (kA)	I _s (kA)	Weight (kg)	Part Number
Urms=230Vac U _N =325Vac U _C =700V										
3×84	76	200	3×1.5	100	4.5	3×34	1.6	4.8	1.1	YHD2318405****
3×105	76	230	3×1.6	120	4	3×36	1.5	4.5	1.2	YHD2311056****
3×160	86	230	3×1.2	120	3.5	3×43	2.3	6.9	1.6	YHD2311606****
3×250	116	200	3×0.8	110	3.1	3×53	3	9	2.4	YHD2312506****
3×330	116	230	3×0.9	130	2.7	3×54	4.6	14.4	2.5	YHD2313306****
Urms=440Vac U _N =625Vac U _C =1300V										
3×13	76	140	3×1.8	100	6.2	3×22	0.8	2.4	0.9	YHD4411305****
3×16.5	76	140	3×1.5	100	5.6	3×25	1.1	3.3	0.9	YHD4411655****
3×26.5	76	200	3×2.3	100	4.4	3×25	0.6	2.4	1.2	YHD4412655****
3×33	76	200	3×1.9	100	4	3×28	1	3	1.2	YHD4413305****
3×50	86	200	3×1.4	110	3.4	3×34	1.5	4.5	1.4	YHD4415005****
3×66	86	230	3×1.5	120	2.9	3×36	1.4	4.2	1.7	YHD4416605****
3×83	116	200	3×1.1	110	3.1	3×40	2.4	7.2	2.4	YHD4418305****
3×100	116	200	3×1.0	110	2.8	3×43	2.9	8.7	2.4	YHD4411006****
3×133	136	200	3×0.9	120	2.5	3×46	3.9	11.7	3.3	YHD4411336****
3×154	136	200	3×0.8	120	2.3	3×48	4	12	3.3	YHD4411546****
3×170	136	230	3×0.9	130	2.2	3×45	4.5	13.5	3.8	YHD4411706****
Urms=540Vac U _N =760Vac U _C =1600V										
3×19	76	170	3×1.0	110	5.1	3×32	1	3	1	YHD5411905****
3×23	76	170	3×1.0	110	5	3×33	1.2	3.6	1.2	YHD5412305****
3×39	86	200	3×0.9	110	4	3×39	1.4	4.2	1.7	YHD5413905****
3×48	86	230	3×1.0	120	3.6	3×40	1.3	3.9	1.9	YHD5414805****
3×96	116	230	3×0.8	130	3	3×45	2.3	6.9	2.8	YHD5419605****
Urms=690Vac U _N =980Vac U _C =2000V										
3×33.5	116	170	3×0.8	110	3.5	3×42	1.6	4.8	2.2	YHD6913355****
3×38	116	200	3×0.8	110	3.5	3×40	1.3	3.9	2.4	YHD6913805****
3×75	136	230	3×0.8	130	2.6	3×45	1.9	5.7	3.7	YHD6917505****
Urms=850Vac U _N =1200Vac U _C =2580V										
3×8	76	170	3×1.3	110	5.6	3×24	0.6	1.8	1	YHD8518004****
3×10	86	170	3×1.1	110	5.2	3×27	0.7	2.1	1	YHD8511005****
3×12	86	170	3×1.0	110	4.8	3×29	0.9	2.7	1	YHD8511205****
3×17	106	170	3×0.9	110	4.3	3×34	1.1	3.3	1.7	YHD8511705****
3×23	86	230	3×1.1	120	3.4	3×37	0.9	2.7	1.6	YHD8512305****
3×26	106	230	3×1.0	130	3.3	3×38	1	3	2.2	YHD8512805****
3×33	106	230	3×1.0	130	3	3×41	1.2	3.6	2.3	YHD8513305****
3×36	116	230	3×0.9	130	2.9	3×42	1.4	4.2	2.8	YHD8513805****
3×49	136	230	3×0.9	130	2.7	3×43	1.9	5.7	3.7	YHD8514905****
3×55.8	136	230	3×1.0	130	2.5	3×45	2.2	6.6	3.8	YHD8515585****

*表中所列尺寸为公司常用规格尺寸，其他规格尺寸均可按照客户要求生产

*The listed dimension on the above chart is our common specifications, we can produce as customer's requests.

高压直流滤波电容器

High-voltage DC-filter Capacitor

YHE

特点与用途

- ◆ 不锈钢外壳，阻燃树脂灌封；
- ◆ 干式结构，不会漏液；
- ◆ 具有自愈性，采用安全膜设计；
- ◆ 自感小、等效电阻小；
- ◆ 能承受较高的纹波电流；
- ◆ 应用于DC-Link，变速传动（驱动、牵引），风能变流器，直流输电工程，轨道交通等。

Features & Applications

- ◆ Stainless steel housing, potted with flame retardant resin.
- ◆ Dry type and no leakage.
- ◆ Self-healing, using segmented metallized film.
- ◆ Low self-inductance and equivalent resistance.
- ◆ Able to withstand high ripple current.
- ◆ Applicable to DC-Link, variable speed drive (drive and traction), wind power converter, DC transmission project, rail traffic etc.



技术参数 Technical Parameter

引用标准 Norms reference	IEC 61071, IEC 61881-1
工作温度 Working temperature	-40°C ~ +70°C [$\theta_{max}(\text{hotspot}) \leq +85^\circ\text{C}$]
存储温度 Storage temperature	-40°C ~ +85°C
电容量范围 Range of capacitance	80 μF ~ 30000 μF
电容量允许偏差 Allowable capacitance deviation	$\pm 5\%$ (J), $\pm 10\%$ (K)
级间测试电压 Voltage test between terminals	1.5U _n (10s, 25°C $\pm 5^\circ\text{C}$)
极壳测试电压 Voltage test between terminals and case	($\sqrt{2}U_n + 1000$)Vdc (60s, 50/60Hz, 25°C $\pm 5^\circ\text{C}$)

损耗角正切 Dissipation factor	$\leq 2.0 \times 10^{-2}$ (100Hz, 25°C $\pm 5^\circ\text{C}$)
过电压 Over-voltage	1.1U _n (30% of on-load-dur) 1.15U _n (30min/day) 1.2U _n (5min/day) 1.3U _n (1min/day) 1.5U _n (30ms every time, 1000times during the whole life)
失效率 Loss of efficiency	100 FIT
绝缘电阻 Insulation resistance	$> 10000\text{s}$ (20°C, 100Vdc, 60s)
预期寿命 Expected service life	100000 h(U _n , 70°C, $ \Delta C/C \leq 5\%$)

YHE 常用规格 YHE Common Specification

U _n (Vdc)	C _n (μF)	R _s (m Ω)	L _s (nH)	R _{th} (K/W)	I (kA)	I _{max} (A)			Dimensions (mm)			Weight (kg)	Part number
						40°C	50°C	60°C	L ± 3	W ± 3	H ± 3		
2000	1500	0.41	<100	0.68	9.8	220	220	160	340	140	285	22.6	YHE2021507J**
2000	2100	0.37	<100	0.55	13.1	220	220	198	340	140	365	28.1	YHE2022107J**
2000	2600	0.35	<100	0.46	16.4	220	220	220	340	140	445	33.6	YHE2022607J**
2000	3000	0.33	<100	0.4	19.7	220	220	220	340	140	525	39.2	YHE2023007J**
2000	3600	0.32	<100	0.34	22.9	220	220	220	340	140	610	45.1	YHE2023607J**
2000	4000	0.31	<100	0.31	26.2	220	220	220	340	140	690	50.6	YHE2024007J**
2000	4700	0.3	<100	0.27	29.5	220	220	220	340	140	770	56.2	YHE2024707J**
2000	2000	0.38	<100	0.56	12.3	220	220	195	420	140	285	27.4	YHE2022007J**
2000	2600	0.34	<100	0.46	16.4	220	220	220	420	140	365	34.1	YHE2022607J**
2000	3200	0.32	<100	0.38	20.5	220	220	220	420	140	445	40.9	YHE32023207J**
2000	3900	0.31	<100	0.33	24.6	220	220	220	420	140	525	47.7	YHE2023907J**
2000	4500	0.3	<100	0.29	28.7	220	220	220	420	140	610	55	YHE2024507J**
2000	5200	0.29	<100	0.26	32.8	220	220	220	420	140	690	61.7	YHE2025207J**
2000	3300	0.44	<100	0.37	10.4	220	220	159	520	140	375	43.3	YHE2023307J**
2000	5000	0.39	<100	0.27	15.6	220	220	200	520	140	540	60.5	YHE2025007J**
2000	5700	0.37	<100	0.23	18.2	220	220	219	520	140	620	68.7	YHE2025707J**

YHE 常用规格 YHE Common Specification

U _e (Vdc)	C _e (μ F)	R _e (m Ω)	L _e (nH)	R _{th} (K/W)	I _e (kA)	I _{max} (A)			Dimensions (mm)			Weight (kg)	Part Number
						40°C	50°C	60°C	L \pm 3	W \pm 3	H \pm 3		
2200	2100	0.36	<100	0.47	14.7	220	220	220	340	140	445	33.6	YHE2222107J**
2200	2500	0.34	<100	0.4	17.6	220	220	220	340	140	525	39.1	YHE2222507J**
2200	3300	0.31	<100	0.31	23.5	220	220	220	340	140	690	50.6	YHE2223307J**
2200	1800	0.38	<100	0.57	11	220	220	194	420	140	265	27.3	YHE2221807J**
2200	2600	0.33	<100	0.39	18.4	220	220	220	420	140	445	40.9	YHE2222607J**
2200	3100	0.32	<100	0.33	22.1	220	220	220	420	140	525	47.7	YHE2223107J**
2200	4700	0.29	<100	0.23	33.1	220	220	220	420	140	770	68.5	YHE2224707J**
2200	3300	0.42	<100	0.31	11.8	220	220	177	520	140	455	51.6	YHE2223307J**
2400	1400	0.4	<100	0.56	10.7	220	220	194	340	140	365	28.1	YHE2421407J**
2400	2410	0.33	<100	0.35	18.7	220	220	220	340	140	610	45.1	YHE2422417J**
2400	3100	0.31	<100	0.28	24.1	220	220	220	340	140	770	58.1	YHE2423107J**
2400	2580	0.32	<100	0.34	20	220	220	220	420	140	525	47.6	YHE2422587J**
2400	3400	0.3	<100	0.26	26.7	220	220	220	420	140	690	61.7	YHE2423407J**
2400	3900	0.3	<100	0.24	30.1	220	220	220	420	140	770	68.4	YHE2423900J**
2400	3300	0.41	<100	0.27	12.7	220	220	194	520	140	540	60.4	YHE2423307J**
2600	1100	0.48	<100	0.89	7.3	220	220	158	340	170	265	26.3	YHE2621107J**
2600	1450	0.43	<100	0.56	9.8	220	220	186	340	170	365	32.7	YHE2621457J**
2600	2200	0.37	<100	0.41	14.7	220	220	220	340	170	525	45.6	YHE2622207J**
2600	2600	0.35	<100	0.36	17.1	220	220	220	340	170	610	52.5	YHE2622607J**
2600	3300	0.33	<100	0.29	22	220	220	220	340	170	770	65.4	YHE2623307J**
2600	1400	0.43	<100	0.57	9.1	220	220	183	420	170	285	31.9	YHE2621407J**
2600	1800	0.38	<100	0.47	12.2	220	220	214	420	170	365	39.8	YHE2621807J**
2600	2800	0.34	<100	0.34	18.3	220	220	220	420	170	525	55.5	YHE2622807J**
2600	3200	0.33	<100	0.3	21.4	220	220	220	420	170	610	64	YHE2623207J**
2600	4100	0.31	<100	0.24	27.5	220	220	220	420	170	770	79.8	YHE2624107J**
2600	2300	0.51	<100	0.38	7.7	220	207	146	520	170	375	50.4	YHE2622307J**
2600	3500	0.43	<100	0.28	11.6	220	220	186	520	170	540	70.4	YHE2623507J**
2600	4100	0.41	<100	0.25	13.6	220	220	204	520	170	620	80.1	YHE2624107J**
2800	1250	0.44	<100	0.57	9	220	220	183	340	170	365	32.7	YHE2821257J**
2800	1550	0.4	<100	0.48	11.3	220	220	208	340	170	445	39.1	YHE2821557J**
2800	2200	0.36	<100	0.36	15.8	220	220	220	340	170	610	52.5	YHE2822207J**
2800	2500	0.34	<100	0.32	18	220	220	220	340	170	690	59	YHE2822507J**
2800	2800	0.33	<100	0.29	20.3	220	220	220	340	170	770	65.4	YHE2822807J**
2800	1200	0.45	<100	0.58	8.4	220	220	179	420	170	265	31.9	YHE2801207J**
2800	1500	0.4	<100	0.48	11.3	220	220	210	420	170	365	39.8	YHE2821507J**
2800	2000	0.37	<100	0.4	14.1	220	220	220	420	170	445	47.6	YHE2822007J**
2800	2300	0.35	<100	0.35	16.9	220	220	220	420	170	525	55.5	YHE2822307J**
2800	2700	0.33	<100	0.3	19.7	220	220	220	420	170	610	64	YHE2822707J**
2800	3100	0.32	<100	0.27	22.8	220	220	220	420	170	690	71.9	YHE2823107J**
2800	3500	0.31	<100	0.24	25.4	220	220	220	420	170	770	79.8	YHE2823507J**
2800	2000	0.52	<100	0.39	7.1	220	202	143	520	170	375	50.4	YHE2822007J**
2800	2500	0.46	<100	0.33	8.9	220	220	163	520	170	455	60	YHE2822507J**
2800	3000	0.44	<100	0.28	10.7	220	220	182	520	170	540	70.4	YHE2823007J**
2800	3500	0.42	<100	0.25	12.5	220	220	200	520	170	620	80.1	YHE2823507J**
3000	800	0.52	<100	0.7	6.2	220	214	151	340	170	265	26.3	YHE3028006J**
3000	1000	0.45	<100	0.58	8.3	220	220	179	340	170	365	32.7	YHE3021007J**
3000	1600	0.38	<100	0.42	12.5	220	220	220	340	170	525	45.6	YHE3021607J**
3000	1800	0.36	<100	0.37	14.6	220	220	220	340	170	610	52.5	YHE3021807J**
3000	2100	0.35	<100	0.33	16.7	220	220	220	340	170	690	58.9	YHE3022107J**
3000	1000	0.46	<100	0.59	7.8	220	220	175	420	170	285	31.9	YHE3021007J**
3000	1300	0.41	<100	0.48	10.4	220	220	206	420	170	365	39.7	YHE3021307J**
3000	1700	0.37	<100	0.41	13.1	220	220	220	420	170	445	47.6	YHE3021707J**
3000	2000	0.35	<100	0.35	15.7	220	220	220	420	170	525	55.5	YHE3022007J**
3000	2700	0.33	<100	0.27	20.9	220	220	220	420	170	690	71.9	YHE3022707J**
3000	3000	0.32	<100	0.25	23.6	220	220	220	420	170	770	79.7	YHE3023007J**
3000	1700	0.54	<100	0.39	6.6	220	198	140	520	170	375	60.4	YHE3021707J**
3000	2100	0.49	<100	0.33	8.3	220	220	160	520	170	455	60	YHE3022107J**
3000	2500	0.46	<100	0.29	9.9	220	220	179	520	170	540	70.4	YHE3022507J**
3000	3000	0.43	<100	0.25	11.8	220	220	196	520	170	620	80.1	YHE3023007J**
3600	710	0.6	<60	0.5	11.7	220	220	180	455	340	175	35	YHE3627106J**
3600	1500	0.5	<30	0.3	20	400	300	200	800	170	315	56	YHE3621507J**
3700	1250	0.5	<30	0.3	20.7	250	250	250	680	175	345	54	YHE3721257J**
4000	625	0.8	<60	0.7	10.1	150	150	120	250	175	450	26	YHE4026256J**
4200	2550	0.4	<200	0.3	36.8	500	420	320	420	175	1140	109	YHE4222557J**

*表中所列尺寸为公司常用规格尺寸，其他规格尺寸均可按照客户要求生产

*The listed dimension on the above chart is our common specifications, we can produce as customer's requests.

干式吸收电容器

Dry Type Absorption Capacitor

YHH

特点与用途

- ◆ 采用耐高温聚丙烯薄膜介质，内串式金属化电极，无感卷绕结构；
- ◆ 圆柱型塑料外壳封装，导热性环氧树脂封装；
- ◆ 产品体积小，散热良好；
- ◆ 采用镀锡铜端子轴向引出；
- ◆ 自感小、等效串联电阻低；
- ◆ 耐电压高、损耗小、承受电流冲击能力强、可靠性高；
- ◆ 主要适用于电力电子设备中，主整流装置整流管和晶闸管、GTO吸收保护。

Features and Application

- ◆ Use high-temperature resistant PP film as dielectric, internal series type of metallized electrode, no inductance winding structure.
- ◆ Cylindrical plastic housing, potted with thermally conductive resin.
- ◆ Small product size, excellent heat dissipation.
- ◆ Use tinned copper terminals as a axial lead.
- ◆ Low self-inductance and equivalent series resistance.
- ◆ High withstand voltage, low capacitance loss and strong ability for withstanding impacting of current.
- ◆ Mainly used in power electronic equipments for absorption protection on the rectifying tube of the main rectifier device, thyristors and GTO.



技术参数

Technical Parameter

引用标准 Norms reference	GB/T 17702, IEC 61071
工作温度 Working temperature	-40°C ~ +85°C [$\Theta_{max}(\text{hotspot}) \leq +85^\circ\text{C}$]
存储温度 Storage temperature	-40°C ~ +85°C
电容量范围 Range of capacitance	0.5 μF ~ 2 μF
电容量允许偏差 Allowable capacitance deviation	$\pm 5\%$ (J), $\pm 10\%$ (K)
极间测试电压 Voltage test between terminals	1.5U _n -AC (10s, 25°C \pm 5°C) 2.5U _n -DC (10s, 25°C \pm 5°C)

极壳测试电压 Voltage test between terminals and case	3000Vac (60s, 50/60Hz, 25°C \pm 5°C)
介质损耗角正切 Dielectric dissipation factor	2×10^{-4}
过电压 Over-voltage	1.1U _n (30% of on-load-dur) 1.15U _n (30min/day) 1.2U _n (5min/day) 1.3U _n (1min/day)
绝缘电阻 Insulation resistance	$\geq 10000\text{M}\Omega$ (100Vdc, 60s)
预期寿命 Expected service life	100 000 h (U _n , $\Theta_{hotspot}=70^\circ\text{C}$)

常用规格

Common Specification

U _n (Vac)	C (μF)	ΦD (mm)	H (mm)	ESR (m Ω)	ESL (nH)	Part Number
1200	1	55	68	≤ 3	≤ 25	YHH1221004J**
1200	2	55	78	≤ 3	≤ 25	YHH1222004J**
1400	1	55	78	≤ 3	≤ 25	YHH1421004J**
1400	2	55	79	≤ 3	≤ 25	YHH1422004J**
1800	0.5	55	78	≤ 3	≤ 25	YHH1825003J**
1800	1	55	78	≤ 3	≤ 25	YHH1821004J**
2100	0.5	55	78	≤ 3	≤ 25	YHH2125003J**
2100	1	55	78	≤ 3	≤ 25	YHH2121004J**
2500	1	65	115	≤ 3.5	≤ 30	YHH2521004J**
3000	1	75	135	≤ 3.5	≤ 30	YHH3021004J**
3800	1	75	165	≤ 4	≤ 35	YHH3821004J**

备注:

- 1、表中所列尺寸为公司常用规格尺寸，其他规格尺寸均可按照客户要求生产；
- 2、上述数据若有更改恕不另行通知；
- 3、产品认证可按照客户要求要求进行标识。

REMARKS

- 1, The listed dimension on the above chart is our common specifications, we can produce as customer' s requests.
- 2, The datas are subject to change without notice.
- 3, The certificate marks can be printed on the product as customer' s requests.

特点与用途

- 采用耐高温聚丙烯薄膜介质，加厚型金属化电极，无感卷绕结构；
- 圆柱型塑料外壳封装，导热性环氧树脂封装；
- 产品体积小，散热良好；
- 采用镀锡铜端子引出；
- 自感小、等效串联电阻低；
- 承受电流冲击能力强；
- 广泛应用于交直流滤波、高频大电流场合。

Features and Application

- Use high-temperature resistant PP film as dielectric, thickening type double sides metallized electrodes, no inductance winding structure;
- Cylindrical plastic housing, potted with thermally conductive resin.
- Small product size, excellent heat dissipation
- Tinned copper terminals as a lead.
- Low self-inductance and equivalent series resistance.
- Strong ability for withstanding impacting of current.
- Widely applied to DC-filter and high-frequency current occasion.



技术参数

Technical Parameter

引用标准 Norms reference	GB/T 17702, IEC 61071
工作温度 Working temperature	-40°C ~ +85°C [$\Theta_{max}(\text{hotspot}) \leq +85^\circ\text{C}$]
存储温度 Storage temperature	-40°C ~ +85°C
额定电压 Rated voltage	1000Vdc~1400Vdc
电容量范围 Range of capacitance	10 μF ~ 50 μF
电容量允许偏差 Allowable capacitance deviation	$\pm 5\%$ (J), $\pm 10\%$ (K)
极间测试电压 Voltage test between terminals	1.5U _N (10s, 25°C $\pm 5^\circ\text{C}$)
极壳测试电压 Voltage test between terminals and case	3000VAC (60s, 50/60Hz, 25°C $\pm 5^\circ\text{C}$)

介质损耗角正切 Dielectric dissipation factor	2×10^{-4}
过电压 Over-voltage	1.1U _N (30% of on-load-dur) 1.15U _N (30min/day) 1.2U _N (5min/day) 1.3U _N (1min/day) 1.5U _N (30ms every time, 1000times)
绝缘电阻 Insulation resistance	$\geq 10\,000\text{s}$ (100Vdc, 60s)
预期寿命 Expected service life	100 000 h (U _N , $\Theta_{\text{hotspot}}=70^\circ\text{C}$)
失效率 Loss of efficiency	100 FIT

常用规格

Common Specification

U _N (Vdc)	U _N (Vac)	C _N (μF)	ESR (m Ω)	I _{max.} (A)	I _p (A)	L _s (nH)	ΦD (mm)	H (mm)	Part Number
1400	400	10	<2.5	20	750	40	50	60	YHI1421005K**
1400	400	20	<2.5	40	750	60	50	60	YHI1422005K**
1400	400	40	<2.5	40	1000	45	50	60	YHI1424005K**
1400	400	50	<2.5	50	1000	50	50	60	YHI1425005K**

备注：

- 1、表中所列尺寸为公司常用规格尺寸，其他规格尺寸均可按照客户要求生产；
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高压脉冲电容器

High Voltage Pulse Capacitor

MKMJ

特点与用途

- ◆ 金属外壳全密封干式结构；
- ◆ 电介质采用高温金属化聚丙烯薄膜；
- ◆ 具有自愈性，寿命长，可靠性高，能承受瞬间大电流冲击；
- ◆ 应用于脉冲功率系统储能电源，强磁场、LC振荡回路等场合。

Features & Applications

- ◆ Metal housing with fully sealed, dry type.
- ◆ High-temperature resistant metallized PP film as dielectric.
- ◆ Self-healing, long service life, high reliability and able to withstand the impacting of instantaneous high current.
- ◆ Applicable to pulse power system's energy storage, strong magnetic field, LC oscillation circuit and other occasions.

技术参数 Technical Parameter

引用标准 Norms reference	JB/T 8168-1999
工作温度 Working temperature	-25°C ~ +40°C
存储温度 Storage temperature	-25°C ~ +40°C
额定电压 Rated voltage	2kVdc ~ 50kVdc
电容量范围 Range of capacitance	2 μF ~ 8000 μF
电容量允许偏差 Allowable capacitance deviation	± 5%(J), ± 10%(K)
极间测试电压 Voltage test between terminals	1.1-1.5U _n (10s, 25°C ± 5°C)
极壳测试电压 Voltage test between terminals and case	(√2U _n +1000)Vac (10s, 50/60Hz, 25°C ± 5°C)

损耗角正切 Dissipation factor	≤ 2.0 × 10 ⁻³ (100Hz, 25°C ± 5°C)
最高使用海拔 Maximum application altitude	2000m
最大电极扭矩 Maximum terminal torque	8Nm/12Nm/16Nm
失效率 Loss of efficiency	50FIT
绝缘电阻 Insulation resistance	≥ 5000s(20°C, 100Vdc, 60s)
电极端子 Electrode terminal	M10*35M12*40M16*40
预期寿命 Expected service life	1000~10 0000次



常用规格 Common Specification

U _n (kVdc)	C (μF)	I (kA)	V _α (%)	L _r (n)	P _w (J/cm ³)	LXWXH (mm)	W (kg)	Part Number
3	200	3.5	30	1 × 10 ⁵	0.23	260 × 70 × 220	4	MKMJ3022006***
5.5	1000	10	30	1 × 10 ⁵	0.41	415 × 140 × 640	35	MKMJ5521007***
6	200	1	100	1 × 10 ⁵	0.48	406 × 305 × 725	85	MKMJ6022006***
10	100	4	80	1 × 10 ⁵	0.15	383 × 145 × 600	32	MKMJ1031006***
10	500	30	20	1 × 10 ⁵	1.63	278 × 187 × 295	20	MKMJ1035006**2
18	165	5	20	1 × 10 ⁵	0.45	385 × 260 × 590	55	MKMJ1831656***
20	70	10	20	5 × 10 ⁴	0.53	405 × 205 × 320	26	MKMJ2037005***
20	200	8	10	5 × 10 ⁴	0.47	420 × 260 × 780	88	MKMJ2032006***
25	20	2	10	1 × 10 ⁵	0.42	305 × 140 × 350	15	MKMJ2532005***
25	65	8	10	1 × 10 ⁵	0.98	320 × 135 × 480	20	MKMJ2536505***
25	110	10	10	1 × 10 ⁵	0.52	429 × 258 × 595	60	MKMJ2531106***
25	160	12	30	5 × 10 ⁴	0.54	510 × 260 × 700	85	MKMJ2531606***
30	130	13	10	2 × 10 ⁴	0.8	420 × 258 × 670	66	MKMJ3031306***
35	305	35	10	2 × 10 ⁴	0.82	515 × 480 × 920	210	MKMJ3533056***
50	20	8	10	2 × 10 ⁴	0.8	355 × 128 × 685	35	MKMJ5032005***

备注：

- 1、表中所列尺寸为公司常用规格尺寸，其他规格尺寸均可按照客户要求生产；
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REMARKS

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- 3, The certificate marks can be printed on the product as customer's requests.

特点与用途

- ◆ 绝缘外壳干式结构；
- ◆ 电介质采用高温金属化聚丙烯薄膜；
- ◆ 具有自愈性，寿命长，可靠性高，能承受瞬间大电流冲击；
- ◆ 应用于冲击电压发生器等场所。

Features & Applications

- ◆ Insulated housing, dry type.
- ◆ High-temperature resistant metallized PP film as dielectric.
- ◆ Self-healing, long service life, high reliability and able to withstand the impacting of instantaneous high current
- ◆ Applicable for impulse voltage generator and other occasions.



技术参数 Technical Parameter

引用标准 Norms reference	JB/T 8168-1999
工作温度 Working temperature	-25°C ~ +40°C
存储温度 Storage temperature	-25°C ~ +40°C
额定电压 Rated voltage	50kVdc - 100kVdc
电容量范围 Range of capacitance	0.1 μF - 3 μF
电容量允许偏差 Allowable capacitance deviation	±5% (J)
极间测试电压 Voltage test between terminals	1.3~1.5U _n (10s, 25°C ±5°C)

损耗角正切 Dissipation factor	≤2.0 × 10 ⁻³ (100Hz, 25°C ± 5°C)
最高使用海拔 Maximum application altitude	2000m
失效率 Loss of efficiency	100FIT
绝缘电阻 Insulation resistance	≥5000s (20°C, 100Vdc, 60s)
预期寿命 Expected Service Life	2000~10 0000次

常用规格 Common Specification

U _n (kVdc)	C (μF)	L (mm)	T (mm)	H (mm)	Part Number
50	1	500	110	270	MMJ5031004***
50	2	550	175	270	MMJ5032004***
100	0.5	580	70	370	MMJ1045003**1
100	0.5	700	70	265	MMJ1045003**2
100	0.875	580	125	330	MMJ1048753***
100	1	580	120	370	MMJ1041004**1
100	1	700	115	265	MMJ1041004**2
100	1.5	700	140	330	MMJ1041504***
100	2	580	140	390	MMJ1042004***

备注：

- 1、表中所列尺寸为公司常用规格尺寸，其他规格尺寸均可按照客户要求生产；
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REMARKS

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- 3, The certificate marks can be printed on the product as customer' s requests.

新能源汽车用薄膜电容器

Film Capacitor For New Energy Vehicle

YHB

特点与用途

- 应用于直流滤波电路中；
- 等效串联电阻小，能承受较大的纹波电流；
- 能承受高的峰值电流冲击；
- 自感小；
- 产品温度适用范围广，寿命长；
- 采用耐高温聚丙烯安全薄膜设计，自愈性强；
- 采用绝缘外壳，导热性树脂灌封，阻燃等级达到 UL94V-0级；
- 大功率电力电子设备作滤波或储能用；
- 交通工具，如：电动车和混合动力车；
- 焊接设备，电梯，电机驱动；
- 变速传动（驱动、牵引）。



Features & Applications

- Applicable to DC filter circuits.
- Low equivalent series resistance and able to withstand high ripple current.
- Able to withstand impacting of high-peak current.
- Low self-inductance.
- Suit for a wide range of application because of the product's temperature, long service life.
- High-temperature resistant metallized PP film, excellent self-healing performance.
- Insulated housing, potted with thermal conductive resin, the flame retardant level reaches UL94V-0.
- Applicable to high power electronic devices used as filtering or energy storage.
- Vehicles: eg. electromobile and hybrid power vehicle.
- Welding equipment, elevator, motor driving.
- Variable speed drive (drive and traction).

认证 Certification

	中国 China	GB/T 17702-2013
	德国 Germany	IEC 61071:2007
AEC-Q200	美国 USA	AEC-Q200 REV D:2010

技术参数 Technical Parameter

气候类别 Climatic category	40/105/56
工作温度 Working temperature	-40°C ~ +105°C
(Under +85°C ~ +105°C, temperature increased by one degree, voltage reduced 1.35U _n) [@max(hotspot) ≤ +105°C]	
存储温度 Storage temperature	-40°C ~ +105°C
额定电压 Rated voltage	400Vdc ~ 900Vdc
电容量范围 Range of capacitance	280 μF ~ 1800 μF
电容量允许偏差 Allowable capacitance deviation	± 5%(J), ± 10%(K)
极间测试电压 Voltage test between terminals	1.5U _n (10s, 25°C ± 5°C)
极壳测试电压 Voltage test between terminals and case	3000Vac
(60s, 50/60Hz, 25°C ± 5°C)	
介质损耗角正切 Dielectric dissipation factor	2 × 10 ⁻⁴
过电压 Over-voltage	1.1U _n (30% of on-load-dur)
	1.15U _n (30min/day)
	1.2U _n (5min/day)
	1.3U _n (1min/day)
	1.5U _n (30ms every time, 1000times)

时间常数 Time constant	≥ 10 000s (25°C ± 5°C, 500V)
等效串联电阻 Equivalent series resistance	0.1~1.0mΩ (10kHz)
自感 Self inductance	5nH ~ 40nH
最大纹波电流 Maximum ripple current	50A ~ 300A
最大峰值电流 Maximum peak current	2kA ~ 8kA
失效率 Loss of efficiency	50 FIT
最高使用海拔 Maximum application altitude	2000m
最高工作湿度 Maximum working humidity	65°C, 93% RH
最大电极扭矩 Maximum terminal torque	4.5Nm
最大安装扭矩 Maximum installation torque	8.5Nm
灌封材料 Potting material	导热性阻燃树脂 Thermal conductive resin
外壳材料 Material of case	PPS
外形尺寸 Outline dimension	根据用户要求定制 According to customer's requests
预期寿命参考曲线参照 YHK	
Life expectancy reference curve refers to YHK	



特点与用途

- 采用耐高温聚丙烯薄膜介质，加厚型金属化电极，无感卷绕结构；
- 塑料外壳，导热性环氧树脂封装；
- 产品体积小，散热良好；
- 采用镀锡铜端子引出；
- 自感小、等效串联电阻低；
- 承受电流冲击能力强；
- 广泛应用于直流滤波电路中，可代替电解电容器。
- 应用于电动车和混合动力车；
- 电机驱动、焊接设备、电梯。

Features & Applications

- High-temperature resistant PP film as dielectric, thickening metallized electrodes, no inductance winding structure.
- Plastic housing, potted with the thermally conductive epoxy resin.
- Small product size and excellent heat dissipation.
- Using tinned copper terminals as a lead.
- Low self-inductance and equivalent series resistance.
- Strong ability for withstanding impacting of current.
- Widely applicable to DC filter circuits and ideal to instead of electrolytic capacitor.
- Electromobile and hybrid power vehicle.
- Motor driving, welding equipment and elevator.

认证
Certification

	中国 China	GB/T 17702-2013
	德国 Germany	IEC 61071:2007
AEC-Q200	美国 USA	AEC-Q200 REV D:2010

技术参数
Technical Parameter

气候类别 Climatic category	40/85/56, 40/105/56
工作温度 Working temperature	-40°C ~ +85°C/105°C (Under +85°C ~ +105°C, temperature increased by one degree, voltage reduced 1.35U _n) [θ _{max} (hotspot) ≤ +85°C/105°C]
存储温度 Storage temperature	-40°C ~ +85°C/105°C
额定电压 Rated voltage	400Vdc ~ 1500Vdc
电容量范围 Range of capacitance	35 μF ~ 600 μF
电容量允许偏差 Allowable capacitance deviation	±5%(J), ±10%(K)
极间测试电压 Voltage test between terminals	1.5U _n (10s, 25°C ± 5°C)
极壳测试电压 Voltage test between terminals and case	4000Vac (60s, 50/60Hz, 25°C ± 5°C)
介质损耗角正切 Dielectric dissipation factor	2 × 10 ⁻⁴
过电压 Over-voltage	1.1U _n (30% of on-load-dur) 1.15U _n (30min/day) 1.2U _n (5min/day) 1.3U _n (1min/day) 1.5U _n 30ms every time, 1000times

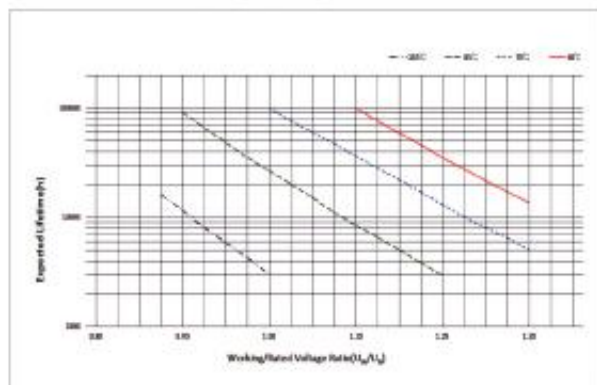
时间常数 Time constant ≥ 5000s(100Vdc, 25°C ± 5°C)

最大电极扭矩 Maximum terminal torque M5:2.5NmM8:6.0Nm

最大安装扭矩 Maximum installation torque 3.0Nm

失效率 Loss of efficiency 100 FIT

预期寿命参考曲线 Life expectancy reference curve



直流支撑聚丙烯薄膜电容器

DC-link Metallized Polypropylene Film Capacitors (MKP)

YHK

产品特点

- ◆ 高容量，小体积产品
- ◆ 具有优秀的自愈性
- ◆ 优秀的过压能力
- ◆ 低损耗，优秀的过电流能力
- ◆ 优秀的可靠性
- ◆ 耐高温性能良好
- ◆ 使用寿命长
- ◆ 符合ROHS标准
- ◆ 符合AEC-Q200

产品用途

- ◆ 变频器
- ◆ 工业和高端电源
- ◆ 汽车DC-DC和太阳能逆变器

产品结构

- ◆ 电介质：聚丙烯（MKP）
- ◆ PBT/PPS塑料外壳（UL 94 V-0）
- ◆ 环氧树脂密封（UL 94 V-0）

引出

- ◆ 平行引线，无铅镀锡
- ◆ 2引线，4引线 版本
- ◆ 标准引线长度：5 ± 0.5 mm

Features

- ◆ High CV product, compact
- ◆ Good self-healing properties
- ◆ Over-voltage capability
- ◆ Low losses with high current capability
- ◆ High reliability
- ◆ Good High humidity resistance
- ◆ Long useful life
- ◆ RoHS-compatible
- ◆ Meet AEC-Q200.

Applications

- ◆ Frequency converters
- ◆ Industrial and high-end power supplies
- ◆ Solar inverters

Construction

- ◆ Dielectric: Polypropylene (MKP)
- ◆ PBT/PPS Plastic case (UL 94 V-0)
- ◆ Epoxy resin sealing (UL 94 V-0)

Terminals

- ◆ Parallel wire leads, lead-free tinned
- ◆ 2-pins, 4-pins, versions
- ◆ Standard lead lengths: 5 ± 1 mm



认证 Certification

	CQC (中国)	GB/T17702-2021电力电子电容器 400VDC-1000VDC, 1.0µF-120µF, ±5%, ±10% 40/105/56 (40/85/56) SH 证书号Certificate No.: 18024209447
	UL (美国)	UL810 (construction only), max 1500VDC, 105°C 证书号Certificate No.: E266239
	TUV (德国)	EN 61071-2007 400VDC-1500VDC, 1.0µF-160µF, ±5%, ±10% 40/105/56 (40/85/56) THB type; Humidity grades IIB under 85°C/85%RH 1000h 证书号Certificate No.: R50428120

技术参数 Technical Parameter

参考标准 Reference standard	GB/T 17702-2021(IEC 61071:2007) IEC 60068, AEC-Q200
气候类别 Climatic category	40/105/56
工作温度范围 (外壳) Operating temperature range (case)	最高工作温度 Max. operating temperature, Top +105°C 最低工作温度 Lower category temperature T _{min} -40°C
在85°C到105°C之间电压降低率 For temperatures between 85°C and 105°C	每度按照1.33%的V ₀ 进行下降 1.33%/°C of V ₀ derating compared to V ₀ at 85°C
额定电压 Rated voltage (V ₀)85°C	400VDC-1500VDC
容量偏差 Capacitance tolerance	J(±5%) K(±10%)
直流耐压 (极间) DC test voltage between terminals (10 s)	1.5*V ₀
绝缘耐压 (极壳间) Voltage test terminal to case (10 s)	2100 Vac, 50 Hz

绝缘电阻 Insulation Resistance	> 10 000 s (20°C, 100vdc, 1min)
峰值电流 Maximum peak current	I=C*dV/dT
预期使用寿命 Operation life time	50 000 h at V ₀ and 85°C
耐湿负荷 Biased humidity test	1000 hours / 60° C / 95% relative humidity with V ₀ 在 60° C / 95%相对湿度环境下加载V ₀ 测试1000H
性能要求 Performance requirements	容量变化 ΔC/C ≤ 5% Capacitance change ΔC/C ≤ 5% 损耗变化 Δtan δ ≤ 0.025 (at 10 kHz) Dissipation factor change Δtan δ ≤ 0.025 (at 10 kHz) 绝缘电阻 R _{ins} ≥ 50%规定值 Insulation resistance R _{ins} ≥ 50% of initial limit
THB 耐湿负荷 THB Biased humidity test	在 85° C / 85%相对湿度环境下加载VR测试1000H 1000 hours / 85° C / 85% relative humidity with V ₀
THB 性能要求 THB Performance requirements	容量变化: ΔC/C ≤ 10% Capacitance change ΔC/C ≤ 10% 损耗变化 Δtan δ ≤ 0.025 (at 10 kHz) Dissipation factor change Δtan δ ≤ 0.025 (at 10 kHz) 绝缘电阻 R _{ins} ≥ 50%规定值 Insulation resistance R _{ins} ≥ 50% of initial limit

常用规格表
Common Specification

C (μ F)	W ± 1	H ± 1	T ± 1	P ± 0.5	P2 ± 0.5	d ± 0.05	dV/dt (V/us)	Tg 5×10^{-1}		ESR@10 kHz (m Ω)	I _{rms} (A)	Part number
								1kHz	10kHz			
V_n=500Vdc at 85°C												
5	32	20.0	11.0	27.5	-	0.8	30	12	120	25	3.0	YHK*505P0500Z27+-000
10	32	24.5	15.0	27.5	-	0.8	30	12	120	7.5	6.5	YHK*106P0500Z27+-000
22	32	37.0	22.0	27.5	-	1.0	30	12	120	5.0	10.0	YHK*226P0500Z27+-000
30	42	40.0	20.0	37.5	10.2	1.0	21	22	220	8.0	12.5	YHK*306P0500H3A+-000
35	42	40.0	20.0	37.5	10.2	1.0	21	22	220	8.0	13.5	YHK*356P0500H3A+-000
45	42	44.0	24.0	37.5	10.2	1.0	21	25	250	6.0	14.5	YHK*456P0500H3A+-000
55	42	45.0	30.0	37.5	20.3	1.2	21	25	250	5.0	16.0	YHK*556P0500E3C+-000
60	42	45.0	30.0	37.5	20.3	1.2	21	25	250	4.5	16.5	YHK*556P0500E3C+-000
80	57.5	45.0	30.0	52.5	20.3	1.2	15	35	350	4.0	17.0	YHK*806P0500E5C+-000
110	57.5	50.0	35.0	52.5	20.3	1.2	15	35	350	3.5	18.0	YHK*117P0500E5C+-000
V_n=600Vdc at 85°C												
2	32.0	18.0	9.0	27.5	-	0.8	30	11	100	45.0	3.0	YHK*205P0600Z27+-000
4	32.0	20.0	11.0	27.5	-	0.8	30	11	100	24.0	5.5	YHK*405P0600Z27+-000
6	32.0	24.5	15.0	27.5	-	0.8	30	11	100	18.5	7.5	YHK*605P0600Z27+-000
10	32.0	30.0	16.0	27.5	-	1.0	30	11	100	15.5	11.0	YHK*106P0600H27+-000
18	32.0	37.0	22.0	27.5	-	1.0	30	11	100	8.5	15.0	YHK*186P0600H27+-000
12	41.0	30.0	16.0	37.5	-	1.0	22	20	180	16.5	7.0	YHK*126P0600H37+-000
15	41.0	32.0	17.0	37.5	-	1.0	22	20	180	13.0	9.0	YHK*156P0600H37+-000
20	42.0	40.0	20.0	37.5	10.2	1.0	22	20	180	10.0	12.5	YHK*206P0600H3A+-000
25	42.0	40.0	20.0	37.5	10.2	1.0	22	20	180	8.0	15.5	YHK*256P0600H3A+-000
30	42.0	44.0	24.0	37.5	10.2	1.0	22	20	180	6.5	17.5	YHK*306P0600H3A+-000
35	42.0	45.0	30.0	37.5	20.3	1.2	22	25	200	6.0	20.0	YHK*356P0600E3C+-000
40	42.0	45.0	30.0	37.5	20.3	1.2	22	25	200	5.5	22.0	YHK*406P0600E3C+-000
50	42.0	46.0	35.0	37.5	20.3	1.2	22	25	200	4.5	25.0	YHK*506P0600E3C+-000
55	42.0	50.0	35.0	37.5	20.3	1.2	22	25	200	3.5	27.0	YHK*606P0600E3C+-000
60	57.5	45.0	30.0	52.5	20.3	1.2	22	30	360	4.0	22.0	YHK*606P0600E5C+-000
80	57.5	50.0	35.0	52.5	20.3	1.2	15	30	360	3.5	27.0	YHK*806P0600E5C+-000
110	57.5	55.0	45.0	52.5	20.3	1.2	15	30	360	3.0	29.0	YHK*117P0600E5C+-000
V_n=800Vdc at 85°C												
2	32.0	18.0	9.0	27.5	-	0.8	40	10	95	45.0	2.5	YHK*205P0800Z27+-000
3	32.0	20.0	11.0	27.5	-	0.8	40	10	95	30.0	3.0	YHK*305P0800Z27+-000
5	32.0	24.5	15.0	27.5	-	0.8	40	10	95	18.0	6.5	YHK*505P0800Z27+-000
7	32.0	30.0	16.0	27.5	-	0.8	40	10	95	13.0	10.5	YHK*705P0800Z27+-000
12	32.0	37.0	22.0	27.5	-	1.0	40	10	95	7.5	12.0	YHK*126P0800H27+-000
14	32.0	37.0	22.0	27.5	10.2	1.0	40	10	95	7.0	13.0	YHK*146P0800H27K000
8	41.0	30.0	16.0	37.5	-	1.0	22	18	180	22.0	5.0	YHK*805P0800H37+-000
10	41.0	32.0	17.0	37.5	-	1.0	22	18	180	18.0	8.5	YHK*106P0800H37+-000
12	42.0	32.5	19.0	37.5	-	1.0	22	18	180	15.0	9.0	YHK*126P0800H37+-000

常用规格表
Common Specification

C (μ F)	W ± 1	H ± 1	T ± 1	P ± 0.5	P2 ± 0.5	d ± 0.05	dV/dt (V/ μ s)	Tg $\delta \times 10^{-4}$		ESR@10 kHz (m Ω)	I _{rms} (A)	Part number
								1kHz	10kHz			
V_W=1000Vdc at 85°C												
8.0	42.0	32.5	19.0	37.0	-	1.0	40	15	140	14.0	6.5	YHK*805P1000H37+-000
10	42.0	40.0	20.0	37.5	10.2	1.0	40	15	140	11.0	10.5	YHK*106P1000H3A+-000
12	42.0	40.0	20.0	37.5	10.2	1.2	40	15	140	11.5	11.0	YHK*126P1000E3A+-000
15	42.0	44.0	24.0	37.5	10.2	1.2	40	15	140	8.5	15.0	YHK*156P1000E3A+-000
18	42.0	45.0	30.0	37.5	20.3	1.2	40	15	140	6.5	17.0	YHK*186P1000E3C+-000
20	42.0	45.0	30.0	37.5	20.3	1.2	40	15	140	6.0	18.0	YHK*206P1000E3C+-000
25	42.0	46.0	35.0	37.5	20.3	1.2	40	15	140	5.5	19.0	YHK*256P1000E3C+-000
25	57.5	45.0	30.0	52.5	20.3	1.2	20	28	280	11.0	15.0	YHK*256P1000E5C+-000
30	57.5	45.0	30.0	52.5	20.3	1.2	20	28	280	9.5	12.5	YHK*306P1000E5C+-000
35	57.5	50.0	35.0	52.5	20.3	1.2	20	28	280	7.5	16.5	YHK*356P1000E5C+-000
40	57.5	55.0	38.0	52.5	20.3	1.2	20	28	280	5.6	21.0	YHK*406P1000E5C+-000
55	57.5	55.0	45.0	52.5	20.3	1.2	20	28	280	4.5	28.0	YHK*556P1000E5C+-000
V_W=1100Vdc at 85°C												
1.2	32.0	20.0	11.0	27.5	-	0.8	70	8	70	60	2.5	YHK*125P1100Z27+-000
2.5	32.0	24.5	15.0	27.5	-	0.8	70	8	70	25	4.5	YHK*255P1100Z27+-000
3.5	32.0	30.0	16.0	27.5	-	0.8	70	8	70	18	8.0	YHK*355P1100Z27+-000
5	32.0	37.0	22.0	27.5	-	1.0	70	8	70	15	10.5	YHK*505P1100H27+-000
6	32.0	37.0	22.0	27.5	-	1.0	70	8	70	14.5	12.5	YHK*605P1100H27+-000
4.5	41.0	30.0	16.0	37.5	-	1.0	45	15	130	30.5	4.0	YHK*455P1100H37+-000
7	42.0	32.5	19.0	37.5	-	1.0	45	15	130	21.0	7.0	YHK*705P1100H37+-000
8	42.0	40.0	20.0	37.5	10.2	1.0	45	15	130	18.0	8.5	YHK*805P1100H3A+-000
10	42.0	40.0	20.0	37.5	10.2	1.0	45	15	130	14.5	11.0	YHK*106P1100H3A+-000
12	42.0	44.0	24.0	37.5	10.2	1.0	45	15	130	12.0	12.5	YHK*126P1100H3A+-000
15	42.0	45.0	30.0	37.5	20.3	1.2	45	15	130	10.0	14.0	YHK*156P1100E3C+-000
17	42.0	45.0	30.0	37.5	20.3	1.2	45	15	130	8.0	17.0	YHK*176P1100E3C+-000
20	42.0	46.0	35.0	37.5	20.3	1.2	45	15	130	7.0	18.0	YHK*206P1100E3C+-000
22	42.0	50.0	35.0	37.5	20.3	1.2	45	15	130	6.5	16.0	YHK*226P1100E3C+-000
20	57.5	45.0	30.0	52.5	20.3	1.2	25	27	260	15.0	15.5	YHK*206P1100E5C+-000
25	57.5	45.0	30.0	52.5	20.3	1.2	25	27	260	11.0	18.5	YHK*256P1100E5C+-000
30	57.5	50.0	35.0	52.5	20.3	1.2	25	27	260	9.5	19.5	YHK*306P1100E5C+-000
35	57.5	55.0	38.0	52.5	20.3	1.2	25	27	260	8.5	20.0	YHK*356P1100E5C+-000
45	57.5	55.0	45.0	52.5	20.3	1.2	25	27	260	7.0	22.0	YHK*456P1100E5C+-000
V_W=1200Vdc at 85°C												
1.5	32	24.5	15	27.5	-	0.8	90	8	70	45	2.5	YHK*155P1200Z27+-000
2	32	30	16	27.5	-	0.8	80	8	70	30	4	YHK*205P1200Z27+-000
4	32	37	22	27.5	-	0.8	80	8	70	17	6.5	YHK*405P1200Z27+-000
5	32	37	22	27.5	-	0.8	80	8	70	14.5	9.5	YHK*505P1200Z27+-000
8	42	40	20	37.5	10.2	1	50	15	150	13.5	10.5	YHK*805P1200H3A+-000
10	42	44	24	37.5	10.2	1	50	15	150	8.5	12	YHK*106P1200H3C+-000

常用规格表
Common Specification

C (μ F)	W ± 1	H ± 1	T ± 1	P ± 0.5	P2 ± 0.5	d ± 0.05	dV/dt (V/us)	Tg $\delta \cdot 10^{-1}$		ESR@10 kHz (m Ω)	I _{rms} (A)	Part number
								1kHz	10kHz			
V _n =1200Vdc at 85°C												
14	42	45	30	37.5	20.3	1.2	50	15	150	7.5	14.5	YHK*146P1200E3C+-000
18	42	50	35	37.5	20.3	1.2	50	15	150	6.5	16.5	YHK*186P1200E3C+-000
20	57.5	45	30	52.5	20.3	1.2	30	24	200	13.5	12.5	YHK*206P1200E5C+-000
25	57.5	50	35	52.5	20.3	1.2	30	24	200	8.5	14.5	YHK*256P1200E5C+-000
35	57.5	55	45	52.5	20.3	1.2	30	24	200	6.5	16.5	YHK*356P1200E5C+-000
45	57.5	65	45	52.5	20.3	1.2	30	24	200	5.5	22.5	YHK*456P1200E5C+-000
V _n =1300Vdc at 85°C												
1.5	32	24.5	15	27.5	-	0.8	90	8	70	35	2.5	YHK*155P1300Z27+-000
2	32	30	16	27.5	-	0.8	90	8	70	25	4	YHK*205P1300Z27+-000
4	32	37	22	27.5	-	0.8	90	8	70	16	6.5	YHK*405P1300Z27+-000
6	42	40	20	37.5	10.2	1	55	15	150	14.5	9.5	YHK*605P1300H3A+-000
8	42	44	24	37.5	10.2	1	55	15	150	9.5	10.5	YHK*805P1300H3A+-000
10	42	45	30	37.5	20.3	1.2	55	15	150	8.5	12.5	YHK*106P1300E3C+-000
14	42	50	35	37.5	20.3	1.2	55	15	150	6.5	16.5	YHK*146P1300E3C+-000
16	57.5	45	30	52.5	20.3	1.2	35	25	250	8.5	12.5	YHK*166P1300E5C+-000
20	57.5	50	35	52.5	20.3	1.2	35	25	250	7.5	15	YHK*206P1300E5C+-000
V _n =1500Vdc at 85°C												
2	41	30	16	37.5	-	0.8	60	15	150	39	3.5	YHK*205P1500Z37+-000
3	42	32.5	19	37.5	-	1	60	15	150	22	5	YHK*305P1500H37+-000
4	42	40	20	37.5	10.2	1	60	15	150	19	6.5	YHK*405P1500H3A+-000
6	42	44	24	37.5	10.2	1	60	15	150	14.5	9.5	YHK*605P1500H3A+-000
8	42	45	30	37.5	20.3	1.2	60	15	150	11.5	10	YHK*805P1500E3C+-000
10	42	50	35	37.5	20.3	1.2	60	15	150	9.5	13.5	YHK*106P1500E3C+-000
12	57.5	45	30	52.5	20.3	1.2	40	25	250	13.5	11.5	YHK*126P1500E5C+-000
15	57.5	50	35	52.5	20.3	1.2	40	25	250	11.5	13.5	YHK*156P1500E5C+-000

备注：

1. "*" 表示类型：“C”普通型、“S”THB型
2. "+-" 表示容量公差可以符合“J”“K”
3. "000" 表示内部使用导线长度
4. 在1kHz下测得的电容值
5. 在 $\Delta T \leq 15^\circ\text{C}$ 、 $\Delta \text{ESR}_{\text{typ}} \leq \pm 5\%$ 时，85°C、10kHz时的最大纹波电流IRMS
6. 在谐振频率下测量的典型ESL值

REMARKS

1. "*" Representation type: "C" ordinary type, "S" THB type
2. "+-" Means the capacity tolerance can conform to "J" "K"
3. "000" Means Internal use the lead length
4. Capacitance value measured at 1 kHz
5. Max ripple current IRMS at 85°C, at 10 kHz for a $\Delta T \leq 15^\circ\text{C}$ at $\Delta \text{ESR}_{\text{typ}} \leq \pm 5\%$
6. Typical ESL value measured at resonance frequency

交流滤波聚丙烯薄膜电容器

AC Filtering Metallized Polypropylene Film Capacitors (MKP)

YHR

产品特点

- 耐高温性能良好
- 具有优秀的自愈性
- 优秀的过压能力
- 低损耗，优秀的过电流能力
- 优秀的可靠性
- 使用寿命长
- 符合ROHS标准

产品用途

- 用于电源转换器的输出交流滤波，UPS，电机驱动

产品结构

- 电介质：聚丙烯（MKP）
- PBT/PPS塑料外壳（UL 94 V-0）
- 环氧树脂密封（UL 94 V-0）

引出

- 平行引线，无铅镀锡
- 2引线，4引线版本
- 标准引线长度：5 ± 0.5 mm

Features

- Good High humidity resistance
- Good self-healing properties
- Over-voltage capability
- Low losses with high current capability
- High reliability
- Long useful life
- RoHS-compatible

Applications

- Output AC filtering for power converters, UPS, motor drives

Construction



- Dielectric: Polypropylene (MKP)
- PBT / PPS Plastic case (UL 94 V-0)
- Epoxy resin sealing (UL 94 V-0)

Terminals

- Parallel wire leads, lead-free tinned
- 2-pins, 4-pins, versions
- Standard lead lengths: 5 ± 1 mm



认证 Certification

	UL (美国)	ULB10(construction only), max 600VAC, 105°C 证书号Certificate No.: E256239
	TUV (德国)	EN 61071-2007 250VAC-600VAC, 1.0µF-40µF, ±5%, ±10% 40/105/56 (40/85/56) THB type: Humidity grades IIB under 85°C/85%RH 1000h 证书号Certificate No.: R50559252

技术参数 Technical Parameter

参考标准 Reference standard	GB/T 17702-2021(IEC 61071:2007); IEC 60068	峰值电流 Maximum peak current	$I_p=C*dV/dt$
气候类别 Climatic category	40/105/56, 40/85/56	预期使用寿命 Operation life time	60 000 h at V_r and 85°C
工作温度范围（外壳） Operating temperature range (case)	最高工作温度 Max. operating temperature, T_{op} +105°C 最低工作温度 Lower category temperature T_{min} -40°C	耐湿负荷 Biased humidity test	在 60°C / 95% 相对湿度环境下加载 V_r 测试 1000H 1000 hours / 60°C / 95% relative humidity with V_r
在 85°C 到 105°C 之间电压降低率 For temperatures between 85°C and 105°C	每度按照 1.5% 的 V_{max} 进行下降 1.5%/°C of V_{op} derating compared to V_{max} at 85°C	性能要求 Performance requirements	容量变化: $ \Delta C/C \leq 5\%$ Capacitance change: $ \Delta C/C \leq 5\%$ 损耗变化 $\Delta \tan \delta \leq 0.025$ (at 10 kHz) Dissipation factor change $\Delta \tan \delta \leq 0.025$ (at 10 kHz) 绝缘电阻 $R_{ins} \geq 50\%$ 规定值 Insulation resistance $R_{ins} \geq 50\%$ of initial limit
额定电压 Rated voltage (V_r) 85°C	250VAC-600VAC	THB 耐湿负荷 THB Biased humidity test	在 85°C / 85% 相对湿度环境下 加载 V_r 测试 1000H 1000 hours / 85°C / 85% relative humidity with V_r
容量偏差 Capacitance tolerance	J(±5%) K(±10%)	THB 性能要求 THB Performance requirements	容量变化: $ \Delta C/C \leq 10\%$ Capacitance change: $ \Delta C/C \leq 10\%$ 损耗变化 $\Delta \tan \delta \leq 0.025$ (at 10 kHz) Dissipation factor change $\Delta \tan \delta \leq 0.025$ (at 10 kHz) 绝缘电阻 $R_{ins} \geq 50\%$ 规定值 Insulation resistance $R_{ins} \geq 50\%$ of initial limit
直流耐压 电极间 DC test voltage between terminals (10 s)	$1.5 \cdot V_r$		
绝缘耐压 极夹间 Voltage test terminal to case (10 s)	2100 Vac, 50 Hz		
绝缘电阻 Insulation Resistance	> 10 000 s (20°C, 100Vdc, 1min)		

常用规格表
Common Specification

C (μ F)	W ± 1	H ± 1	T ± 1	P ± 0.5	P2 ± 0.5	d ± 0.05	dV/dt (V/us)	Tg $6^{\circ}10^{-4}$		ESR@10 kHz(m Ω)	I _{rms} (A)	Part number
								1kHz	10kHz			
V _{RMS} =250Vac U _N =350Vac U _{DC} =500Vdc at 85°C												
1.5	32	21	11	27.5	-	0.8	50	8	15	20	4	YHR*155P0250Z27+-000
2	32	21.5	12	27.5	-	0.8	50	8	15	15	5	YHR*205P0250Z27+-000
2.5	32	23.5	13	27.5	-	0.8	50	8	15	12	5.5	YHR*255P0250Z27+-000
3	32	24.5	15	27.5	-	0.8	50	8	15	9	6.5	YHR*305P0250Z27+-000
4	32	30	16	27.5	-	0.8	50	8	15	6.5	8.5	YHR*405P0250Z27+-000
4.5	32	27.5	18	27.5	-	0.8	50	8	15	5.5	9	YHR*455P0250Z27+-000
5	32	33	18	27.5	-	0.8	50	8	15	5.8	9.5	YHR*505P0250Z27+-000
6	32	31	21	27.5	-	0.8	50	8	15	4.5	10	YHR*605P0250Z27+-000
7	32	37	22	27.5	-	1	50	8	15	4	12	YHR*705P0250H27+-000
4	42	24	15	37.5	-	0.8	25	10	25	9.5	6	YHR*405P0250Z37+-000
5	42	24	19	37.5	-	0.8	25	10	25	8	7	YHR*505P0250Z37+-000
6	42	30	16	37.5	-	0.8	25	10	25	7	8	YHR*605P0250Z37+-000
12	42	40	20	37.5	-	1	25	10	25	5	12	YHR*126P0250H37+-000
15	42	44	24	37.5	-	1	25	15	35	4	14	YHR*156P0250H37+-000
18	42	42.5	28	37.5	-	1	25	15	35	3.5	16	YHR*186P0250H37+-000
20	42	45	30	37.5	-	1	25	15	35	3	18	YHR*206P0250H37+-000
24	42	50	35	37.5	-	1	25	15	35	2.5	20	YHR*246P0250H37+-000
30	57.5	45	30	52.5	20.3	1.2	13	20	80	3.5	18	YHR*306P0250E5C+-000
40	57.5	50	35	52.5	20.3	1.2	13	20	80	3	22	YHR*406P0250E5C+-000
V _{RMS} =310Vac U _N =430Vac U _{DC} =580Vdc at 85°C												
0.68	32	18	9	27.5	-	0.8	65	8	15	30	2.5	YHR*684P0310Z27+-000
1	32	21	11	27.5	-	0.8	65	8	15	22	3.5	YHR*105P0310Z27+-000
1.5	32	23.5	13	27.5	-	0.8	65	8	15	15	4	YHR*155P0310Z27+-000
2	32	24.5	15	27.5	-	0.8	65	8	15	12	5.5	YHR*205P0310Z27+-000
2.5	32	30	16	27.5	-	0.8	65	8	15	9.5	6.5	YHR*255P0310Z27+-000
3	32	27.5	18	27.5	-	0.8	65	8	15	8.5	7	YHR*305P0310Z27+-000
4	32	31	21	27.5	-	1	65	8	15	6.5	9	YHR*405P0310Z27+-000
5	32	37	22	27.5	-	0.8	65	8	15	5.5	10.5	YHR*505P0310Z27+-000
3	42	24	15	37.5	-	0.8	35	8	15	10	5.5	YHR*305P0310Z37+-000
4	42	24	19	37.5	-	0.8	35	10	25	8.5	6.5	YHR*405P0310Z37+-000
4.5	42	30	16	37.5	-	1	35	10	25	7.5	7	YHR*455P0310Z37+-000
8	42	40	20	37.5	-	1	35	10	25	5.5	12	YHR*805P0310H37+-000
10	42	44	24	37.5	-	1	35	10	25	4.5	13	YHR*106P0310H37+-000
12	42	42.5	28	37.5	-	1	35	15	30	4	13.5	YHR*126P0310H37+-000
14	42	45	30	37.5	-	1	35	15	30	3.5	15	YHR*146P0310H37+-000
18	42	50	35	37.5	-	1.2	35	15	30	3	18	YHR*186P0310H37+-000
18	57.5	45	30	52.5	20.3	1.2	35	15	30	4.5	18	YHR*186P0310E5C+-000
20	57.5	45	30	52.5	20.3	0.8	15	20	60	4	19	YHR*206P0310E5C+-000
25	57.5	50	35	52.5	20.3	0.8	15	20	60	3.5	21	YHR*256P0310E5C+-000
V _{RMS} =350Vac U _N =480Vac U _{DC} =600Vdc at 85°C												
0.47	32	18	9	27.5	-	0.8	80	8	15	15	2.5	YHR*474P0350Z27+-000
0.68	32	21	11	27.5	-	0.8	80	8	15	14	3.5	YHR*684P0350Z27+-000
1	32	23.5	13	27.5	-	0.8	80	8	15	12	4.5	YHR*105P0350Z27+-000
1.5	32	24.5	15	27.5	-	0.8	80	8	15	10	5.5	YHR*155P0350Z27+-000
1.8	32	30	16	27.5	-	0.8	80	8	15	9	6	YHR*185P0350Z27+-000
2	32	27.5	18	27.5	-	0.8	80	8	15	8.5	6.5	YHR*205P0350Z27+-000
2.2	32	33	18	27.5	-	0.8	80	8	15	7.5	7	YHR*225P0350Z27+-000
3.3	32	37	22	27.5	-	0.8	80	8	15	6	8	YHR*335P0350Z27+-000

常用规格表
Common Specification

C (μ F)	W ± 1	H ± 1	T ± 1	P ± 0.5	P2 ± 0.5	d ± 0.05	dV/dt (V/us)	Tg 5×10^{-1}		ESR@10 kHz (m Ω)	I _{rms} (A)	Part number
								1kHz	10kHz			
V _{RMS} =350Vac U _N =480Vac U _{WDC} =600Vdc at 85°C												
2	42	24	15	37.5	-	0.8	50	8	15	8	6.5	YHR*205P0350Z37+-000
2.5	42	24	19	37.5	-	0.8	50	10	25	7	7	YHR*255P0350Z37+-000
3	42	30	16	37.5	-	0.8	50	10	25	5	10	YHR*305P0350Z37+-000
5	42	40	20	37.5	-	1	50	10	25	4.5	12	YHR*505P0350H37+-000
7	42	44	24	37.5	-	1	50	10	25	4	13	YHR*705P0350H37+-000
9	42	45	30	37.5	-	1	50	12	30	3.5	14	YHR*905P0350H37+-000
12	42	50	35	37.5	-	1	50	12	30	3	15	YHR*126P0350H37+-000
12	57.5	45	30	52.5	20.3	1.2	25	20	50	4.5	17	YHR*126P0350E5C+-000
14	57.5	45	30	52.5	20.3	1.2	25	20	50	4	18	YHR*146P0350E5C+-000
18	57.5	50	35	52.5	20.3	1.2	25	20	50	3	20	YHR*186P0350E5C+-000
VRMS=400Vac UN=560Vac UNDC=700Vdc at 85°C												
0.33	32	18	9	27.5	-	0.8	100	8	15	20	2	YHR*334P0400Z27+-000
0.47	32	21	11	27.5	-	0.8	100	8	15	18	3	YHR*474P0400Z27+-000
0.68	32	23.5	13	27.5	-	0.8	100	8	15	15	4	YHR*684P0400Z27+-000
0.82	32	23.5	13	27.5	-	0.8	100	8	15	12	5	YHR*824P0400Z27+-000
1	32	24.5	15	27.5	-	0.8	100	8	15	10	5.5	YHR*105P0400Z27+-000
1.2	32	30	16	27.5	-	0.8	100	8	15	9	6	YHR*125P0400Z27+-000
1.5	32	27.5	18	27.5	-	0.8	100	8	15	8.5	6.5	YHR*155P0400Z27+-000
2	32	31	21	27.5	-	0.8	100	8	15	8	7	YHR*205P0400Z27+-000
2.5	32	37	22	27.5	-	0.8	100	8	15	7	8	YHR*255P0400Z27+-000
1.5	42	24	15	37.5	-	0.8	60	10	25	11	5.5	YHR*155P0400Z37+-000
2	42	24	19	37.5	-	0.8	60	10	25	10	6	YHR*205P0400Z37+-000
2.2	42	30	16	37.5	-	0.8	60	10	25	9	7	YHR*225P0400Z37+-000
4	42	40	20	37.5	-	1	60	10	25	7.5	9	YHR*405P0400H37+-000
6	42	44	24	37.5	-	1	60	15	30	6.5	11	YHR*605P0400H37+-000
7.5	42	42.5	28	37.5	-	1	60	15	30	5.5	13	YHR*755P0400H37+-000
10	42	50	35	37.5	20.3	1	60	15	30	4	15	YHR*106P0400H37+-000
10	57.5	45	30	52.5	20.3	1.2	30	20	50	3.5	17	YHR*106P0400E5C+-000
14	57.5	50	35	52.5	20.3	1.2	30	20	50	3	19.5	YHR*146P0400E5C+-000
VRMS=450Vac UN=630Vac UNDC=760Vdc at 85°C												
1.5	42	30	16	37.5	-	0.8	75	10	25	10.7	8.5	YHR*155P0450Z37+-000
3.3	42	40	20	37.5	-	1	75	10	25	6.5	9	YHR*335P0450H37+-000
4.5	42	44	24	37.5	-	1	75	10	25	4.6	10.5	YHR*455P0450H37+-000
5	42	45	30	37.5	20.3	1.2	75	10	25	4.2	12	YHR*505P0450E3C+-000
7	42	50	35	37.5	20.3	1.2	75	10	25	3.8	15	YHR*705P0450E3C+-000
8	57.5	45	30	52.5	20.3	1.2	35	20	50	4.6	15	YHR*805P0450E5C+-000
10	57.5	50	35	52.5	20.3	1.2	35	20	50	3.8	17.5	YHR*106P0450E5C+-000
12	57.5	50	35	52.5	20.3	1.2	35	20	50	3.2	20	YHR*126P0450E5C+-000
VRMS=500Vac UN=700Vac UNDC=800Vdc at 85°C												
1.2	42	30	16	37.5	-	0.8	80	10	25	10	8.5	YHR*125P0500Z37+-000
1.5	42	30	16	37.5	-	0.8	80	10	25	6.8	9	YHR*155P0500Z37+-000
2.7	42	40	20	37.5	-	1	80	10	25	5.5	10.5	YHR*275P0500H37+-000
4	42	44	24	37.5	-	1	80	10	25	4.5	12	YHR*405P0500H37+-000
4.7	42	45	30	37.5	20.3	1.2	80	10	25	3.8	13	YHR*475P0500E3C+-000
7	42	50	35	37.5	20.3	1.2	40	20	50	3.5	15	YHR*705P0500E3C+-000
9	57.5	45	30	52.5	20.3	1.2	40	20	50	4.5	15	YHR*905P0500E5C+-000
10	57.5	50	35	52.5	20.3	1.2	40	20	50	4	20	YHR*106P0500E5C+-000

C (uF)	W ±1	H ±1	T ±1	P ±0.5	P2 ±0.5	d ±0.05	dV/dt (V/us)	Tg 5 * 10 ⁻⁴		ESR@10 kHz (mΩ)	I _{rms} (A)	Part number
								1kHz	10kHz			
V _{RMS} =550Vac U _N =770Vac U _{DC} =850Vdc at 85°C												
1	42	30	16	37.5	-	0.8	85	10	25	10	8.5	YHR*105P0550Z37+-
1.2	42	30	16	37.5	-	0.8	85	10	25	6.8	9	YHR*125P0550Z37+-
2.2	42	40	20	37.5	-	1	85	10	25	5.6	10.5	YHR*225P0550H37+-
3.3	42	44	24	37.5	-	1	85	10	25	4.5	12	YHR*335P0550H37+-
5.6	42	45	30	37.5	20.3	1.2	85	10	25	3.8	13	YHR*565P0550E3C+-
6.8	42	50	35	37.5	20.3	1.2	45	20	50	3.5	16	YHR*685P0550E3C+-
7	57.5	45	30	52.5	20.3	1.2	45	20	50	4.5	17.5	YHR*705P0550E5C+-
8	57.5	50	35	52.5	20.3	1.2	45	20	50	3.5	20	YHR*806P0550E5C+-
V _{RMS} =600Vac U _N =845Vac U _{DC} =900Vdc at 85°C												
1	42	30	16	37.5	-	0.8	90	10	25	10	8.5	YHR*105P0600Z37+-
1.2	42	30	16	37.5	-	0.8	90	10	25	6.8	9	YHR*125P0600Z37+-
2.2	42	40	20	37.5	-	1	90	10	25	5.6	10.5	YHR*225P0600H37+-
3	42	44	24	37.5	-	1	90	10	25	4.5	12	YHR*305P0600H37+-
3.3	42	45	30	37.5	20.3	1.2	90	10	25	3.8	13	YHR*335P0600E3C+-
4	42	50	35	37.5	20.3	1.2	50	20	50	3.5	15	YHR*405P0600E3C+-
5	57.5	45	30	52.5	20.3	1.2	50	20	50	4.5	17.5	YHR*505P0600E5C+-
7	57.5	50	35	52.5	20.3	1.2	50	20	50	3.5	20	YHR*705P0600E5C+-

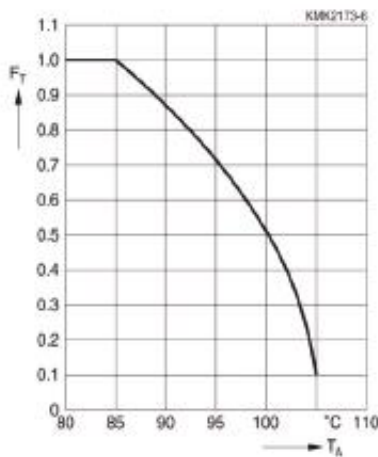
备注：

1. "*" 表示类型；"C" 普通型、"S" THB型
2. "+-" 表示容量公差可以符合 "J" "K"
3. "000" 表示内部使用导线长度
4. 在1kHz下测得的电容值
5. 10kHz时的最大纹波电流IRMS (ΔT ≤ 15°C、ΔESRtyp ≤ ± 5%、T=85°C)
6. 在谐振频率下测量的典型ESL值

REMARKS

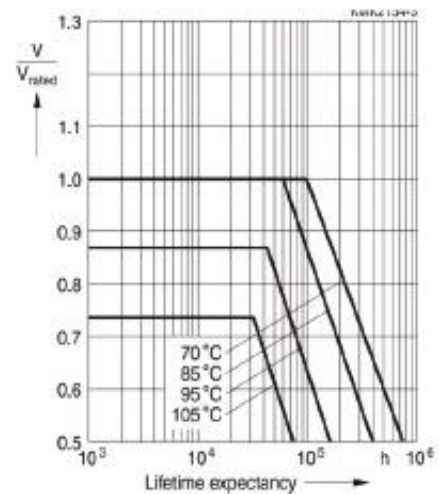
1. "*" Representation type: "C" ordinary type, "S" THB type
2. "+-" Means the capacity tolerance can conform to "J" "K"
3. "000" Means Internal use the lead length
4. Capacitance value measured at 1 kHz
5. Max ripple current IRMS at 85°C, at 10 kHz for a ΔT ≤ 15°C at ΔESRtyp ≤ ± 5%
6. Typical ESL value measured at resonance frequency

**◆ 曲线特性(I_{rms}降额与温度)
Curves Characteristics
(I_{rms} derating vs temperature)**



*最大I_{RMS}电流与环境温度的函数: I_{RMS}(TA) = Factor * I_{RMS}(85°C)
*Maximum I_{RMS} current as function of the ambient temperature

**◆ 预期寿命-典型曲线
Life time expectancy - typical curve**



耐湿型X2抑制干扰型薄膜电容器

THB MKP X2 Metallized Polypropylene Film Capacitors Supression Capacitor)

MKPB

产品特点

- 高压产品，紧凑
- 良好的自我修复性能
- 湿度等级IIIB
- 优秀的阻燃能力
- 高可靠性
- 使用寿命长
- 符合ROHS标准

产品用途

- 用于跨线干扰抑制电路

产品结构

- 电介质：聚丙烯 (MKP)
- PPS塑料外壳 (UL 94 V-0)
- 环氧树脂密封 (UL 94 V-0)

引出

- 平行引线，无铅镀锡
- 2引线，4引线版本
- 标准引线长度：5 ± 0.5 mm

Features

- High voltage product, compact
- Good self-healing properties
- Humidity level IIIB
- Excellent flame retardant ability
- High reliability
- Long useful life
- RoHS-compatible

Applications

- Used in across-the-line interference suppression circuit

Construction

- Dielectric: Polypropylene (MKP)
- PPS Plastic case (UL 94 V-0)
- Epoxy resin sealing (UL 94 V-0)

Terminals

- Parallel wire leads, lead-free tinned
- 2-pins, 4-pins, versions
- Standard lead lengths: 5 ± 1 mm



安全认证 Safety Approval

	CQC (中国)	GB/T 6346.14-2015 310Vac/350Vac, X2, 0.1 μF-20 μF, 40/85/56/B, 40/105/56/B, 40/110/56/B, Certificate No.: CQC20001271918
	UL/CUL (美国/加拿大)	MKP-X2, 310Vac/350Vac, X2, 0.1 μF-20 μF, 40/85/56/B, 40/105/56/B, 40/110/56/B, Certificate No. E502152
	ENEC-UL (美国)	IEC 60384-14, 310Vac/350Vac, X2, 0.1 μF-20 μF, 40/85/56/B, 40/105/56/B, 40/110/56/B, Certificate No. ENEC-03262

技术参数 Technical Parameter

参考标准 Reference standard	IEC 60384-14, GB/T 6346.14-20 UL 60384-14
气候类别/阻燃等级 Climatic category/Flammability retardant Class	40/105/56/B
工作温度范围 Operating temperature range	-40°C~110°C
电容量范围 Capacitance Range	0.1 μF~20 μF
电容量偏差 Capacitance tolerance	±5%(J), ±10%(K), ±20%(M)(20°C, 1kHz)
额定电压 Rated voltage (VR)	310Vac/350Vac
损耗角正切 Dissipation Factor	$C < 0.47 \mu F$ $\lg \delta \leq 0.0010(1kHz)$ $\lg \delta \leq 0.0020(10kHz)$ $0.47 \mu F < C \leq 1.0 \mu F$ $\lg \delta \leq 0.0020(1kHz)$ $\lg \delta \leq 0.0040(10kHz)$ $1.0 \mu F < C \leq 10 \mu F$ $\lg \delta \leq 0.0030(1kHz)$ $C > 10 \mu F$ $\lg \delta \leq 0.0040(1kHz)$
绝缘电阻 Insulation Resistance	$C_s \leq 0.33 \mu F$, $I_s \geq 45,000 M\Omega$ $C > 0.33 \mu F$, $t \geq 15000s$ (20°C, 100V, 1min)
耐电压 Withstand Voltage	引线之间 4.3U _n , 2s Between Terminals 极壳之间 2120Vac, 50Hz (1min) Between Terminals to case

耐湿测试条件 Humidity resistan cetest condition	85°C/85%RH duration 1000h. rated voltage applied Capacitance $ \Delta C/C \leq 10\%$
耐久性 Endurance test	1000h, 1.25V _n , increase the voltage to 1000VAC every 1h for a duration of 0.1s Upper limit temperature
性能要求 Performance requirements	容量变化 $ \Delta C/C \leq 10\%$ Capacitance change $ \Delta C/C \leq 10\%$ 损耗变化 $\Delta \tan \leq 0.008$ (at 10 kHz) Dissipation factor change $\Delta \tan \leq 0.008$ (at 10 kHz) 绝缘电阻 $R_{ins} \geq 50\%$ 额定值 Insulation resistance $R_{ins} \geq 50\%$ of initial limit
THB耐湿负荷 THB Type Biased humidity test	V _n , 85 ± 3 ° C, B5 ± 3%RH, 1000h hours
THB性能要求 THB Performance requirements	容量变化 $ \Delta C/C \leq 10\%$ Capacitance change $ \Delta C/C \leq 10\%$ 损耗变化 $\Delta \tan \leq 0.008$ (at 10 kHz) Dissipation factor change $\Delta \tan \leq 0.008$ (at 10 kHz) 绝缘电阻 $R_{ins} \geq 50\%$ 额定值 Insulation resistance $R_{ins} \geq 50\%$ of initial limit

常用规格表
Common Specification

C (μ F)	W ± 0.5	H ± 0.5	T ± 0.5	P ± 0.5	Pins	d	Part number
$V_{RMS}=310V_{ac}$, $V_{DC}=630V_{dc}$							
0.1	18	12	6	15	2	0.8	MKPB104P0310Z15+-000
0.47	26.5	19.5	10	22.5	2	0.8	MKPB474P0310Z22+-000
0.56	26.5	19.5	10	22.5	2	0.8	MKPB564P0310Z22+-000
2.2	32	28	17	27.5	2	1.0	MKPB225P0310H27+-000
2.7	32	33	18	27.5	2	1.0	MKPB275P0310H27+-000
3.3	32	37	22	27.5	2	1.0	MKPB335P0310H27+-000
10.0	42	45	30	37.5	2	1.2	MKPB106P0310E37+-000
12.0	42	50	35	37.5	2	1.2	MKPB126P0310E37+-000
15.0	57.5	45	30	52.5	4	1.2	MKPB156P0310E5C+-000
18.0	57.5	50	35	52.5	4	1.2	MKPB186P0310E5C+-000
20.0	57	55	38	52.5	4	1.2	MKPB206P0310E5C+-000
$V_{RMS}=350V_{ac}$, $V_{DC}=700V_{dc}$							
0.1	18	13.5	7.5	15	2	0.8	MKPB104P0350Z15+-000
0.18	18	15.5	9.5	15	2	0.8	MKPB184P0350Z15+-000
0.22	18	18	10	15	2	0.8	MKPB224P0350Z15+-000
0.68	32	20	11	27.5	2	0.8	MKPB684P0350Z27+-000
0.82	32	22	13	27.5	2	0.8	MKPB824P0350Z27+-000
1.0	32	22	13	27.5	2	1.0	MKPB105P0350H27+-000
1.2	32	25	13	27.5	2	1.0	MKPB125P0350H27+-000
2.2	32	33	18	27.5	2	1.0	MKPB235P0350H27+-000
2.7	32	37	22	27.5	2	1.0	MKPB275P0350H27+-000
3.3	32	37	22	27.5	2	1.0	MKPB335P0350H27+-000
2.7	42	30	22	27.5	2	1.0	MKPB275P0350H37+-000
3.3	42	33.5	16	37.5	2	1.0	MKPB335P0350H37+-000
3.9	42	33.5	18.5	37.5	2	1.0	MKPB395P0350H37+-000
4.7	42	37	18.5	37.5	2	1.0	MKPB475P0350H37+-000
5.6	42	37	22	37.5	2	1.0	MKPB565P0350H37+-000
6.8	42	41	22	37.5	2	1.2	MKPB684P0350E37+-000
8.2	42	45	26	37.5	2	1.2	MKPB824P0350E37+-000
10.0	42	50	30	37.5	2	1.2	MKPB106P0350E37+-000
12.0	42	50	30	37.5	2	1.2	MKPB126P0350E37+-000
15.0	57.5	50	35	52.5	4	1.2	MKPB156P0350E5C+-000
18.0	57.5	55	38	52.5	4	1.2	MKPB186P0350E5C+-000
20.0	57.5	55	38	52.5	4	1.2	MKPB206P0350E5C+-000

备注：

1. "+-" 意味着容差能够符合 "J" "K"
2. "000" 意味着内部用轴长度
3. 电容值测量 1 kHz

REMARKS

1. "+-" Means the capacity tolerance can conform to "J" "K"
2. "000" Means Internal use the lead length
3. Capacitance value measured at 1 kHz

X2抑制干扰型薄膜电容器

MKP X2 Metallized Polypropylene Film Capacitors Suppression Capacitor)

MKPX

产品特点

- 高压产品，紧凑
- 良好的自我修复性能
- 优秀的阻燃能力
- 高可靠性
- 使用寿命长
- 符合ROHS标准

产品用途

- 用于跨线干扰抑制电路

产品结构

- 电介质：聚丙烯（MKP）
- PBT塑料外壳（UL 94 V-0）
- 环氧树脂密封（UL 94 V-0）

引出

- 平行引线，无铅镀锡
- 2引线，4引线版本
- 标准引线长度：5 ± 0.5 mm

Features

- High voltage product, compact
- Good self-healing properties
- Excellent flame retardant ability
- High reliability
- Long useful life
- RoHS-compatible

Applications

- Used in across-the-line interference suppression circuit

Construction

- Dielectric: Polypropylene (MKP)
- PBT Plastic case (UL 94 V-0)
- Epoxy resin sealing (UL 94 V-0)

Terminals

- Parallel wire leads, lead-free tinned
- 2-pins, 4-pins, versions
- Standard lead lengths: 5 ± 1 mm



安全认证 Safety Approval

	CQC (中国)	GB/T 6346.14-2015 275Vac/305Vac/310Vac/315Vac/330Vac, X2, 0.0047 μF-22.0 μF 40/110/56/B, 40/85/56/B, 40/105/56/B Certificate No.: CQC18001198436
	UL/CUL (美国/加拿大)	MKP-X2, 275Vac/305Vac/310Vac, X2, 0.0047 μF-22.0 μF, 40/110/56/B Certificate No.: E502152
	ENEC-UL (美国)	IEC 60384-14, 275Vac/305Vac/310Vac, X2, 0.0047 μF-22.0 μF, 40/110/56/B Certificate No.: 40049912

技术参数 Technical Parameter

参考标准 Reference standard	IEC 60384-14, GB/T 6346.14-2015 UL 60384-14
气候类别/阻燃等级 Climatic category/Flammability retardant Class	40/105/56/B
工作温度范围 Operating temperature range	-40°C~110°C
电容量范围 Capacitance Range	0.0047 μF-22.0 μF
电容量偏差 Capacitance tolerance	±5%(J), ±10%(K), ±20%(M)(20°C, 1kHz)
额定电压 Rated voltage (VR)	275Vac/305Vac 310Vac/315Vac/330Vac
损耗角正切 Dissipation Factor	C < 0.47 μF: tg δ ≤ 0.0010(1kHz) tg δ ≤ 0.0020(10kHz) 0.47 μF ≤ C ≤ 1.0 μF: tg δ ≤ 0.0020(1kHz) 1.0 μF ≤ C ≤ 10 μF: tg δ ≤ 0.0040(10kHz) C > 10 μF: tg δ ≤ 0.0030(1kHz) C > 10 μF: tg δ ≤ 0.0040(1kHz)
绝缘电阻 Insulation Resistance	C ≤ 0.33 μF, I _a ≥ 45 000 MΩ C > 0.33 μF, τ ≥ 15000s (20°C, 100V, 1min)

耐电压 Withstand Voltage	引线之间 4.3U _n , 2s Between Terminals 极壳之间 2120Vac, 50Hz (1min) Between Terminals to case
耐久性 Endurance test	1000h, 1.25VR, increase the voltage to 1000VAC every 1h for a duration of 0.1s, Upper limit temperature
性能要求 Performance requirements	容量变化 ΔC/C ≤ 10% Capacitance change ΔC/C ≤ 10% 损耗变化 Δtan ≤ 0.008 (at 10 kHz) Dissipation factor change Δtan ≤ 0.008 (at 10 kHz) 绝缘电阻 R _{ins} ≥ 50%额定值 Insulation resistance R _{ins} ≥ 50% of initial limit
稳态湿热 Damp heat steady state	40 ± 2° C, 93 ± 3%RH, 56days
性能要求 Performance requirements	容量变化 ΔC/C ≤ 5% Capacitance change ΔC/C ≤ 5% 损耗变化 Δtan ≤ 0.008 (at 10 kHz) Dissipation factor change Δtan ≤ 0.008 (at 10 kHz) 绝缘电阻 R _{ins} ≥ 50%额定值 Insulation resistance R _{ins} ≥ 50% of initial limit

常用规格表
Common Specification

C (μ F)	W ± 0.5	H ± 0.5	T ± 0.5	P ± 0.5	d	Part number
0.33	18.0	14.5	8.5	15.0	-	MKPX334P0310Z15+-000
0.39	18.0	14.5	8.5	15.0	-	MKPX394P0310Z15+-000
0.47	18.0	16.0	10.0	15.0	-	MKPX474P0310Z15+-000
0.56	26.5	16.0	7.0	22.5	0.8	MKPX564P0310Z22+-000
0.68	26.5	17.0	8.5	22.5	0.8	MKPX684P0310Z22+-000
0.82	26.5	18.5	10.0	22.5	0.8	MKPX824P0310Z22+-000
1.0	26.5	18.5	10.0	22.5	0.8	MKPX105P0310Z22+-000
1.2	26.5	20.0	11.0	22.5	0.8	MKPX125P0310Z22+-000
1.5	26.5	22.0	12.0	22.5	0.8	MKPX155P0310Z22+-000
1.8	26.5	24.5	15.5	22.5	0.8	MKPX185P0310Z22+-000
2.2	26.5	24.5	15.5	22.5	0.8	MKPX225P0310Z22+-000
0.33	32.0	18.0	9.0	27.5	0.8	MKPX334P0310Z27+-000
0.39	32.0	18.0	9.0	27.5	0.8	MKPX394P0310Z27+-000
0.47	32.0	18.0	9.0	27.5	0.8	MKPX474P0310Z27+-000
0.56	32.0	18.0	9.0	27.5	0.8	MKPX564P0310Z27+-000
0.68	32.0	18.0	9.0	27.5	0.8	MKPX684P0310Z27+-000
0.82	32.0	18.0	9.0	27.5	0.8	MKPX824P0310Z27+-000
1.0	32.0	18.0	9.0	27.5	0.8	MKPX105P0310Z27+-000
1.2	32.0	20.0	11.0	27.5	0.8	MKPX125P0310Z27+-000
1.5	32.0	20.0	11.0	27.5	0.8	MKPX155P0310Z27+-000
1.8	32.0	22.0	13.0	27.5	0.8	MKPX185P0310Z27+-000
2.2	32.0	25.0	13.0	27.5	0.8	MKPX225P0310Z27+-000
2.7	32.0	28.0	14.0	27.5	0.8	MKPX275P0310Z27+-000
3.3	32.0	28.0	17.0	27.5	0.8	MKPX335P0310Z27+-000
3.9	32.0	33.0	18.0	27.5	0.8	MKPX395P0310Z27+-000
4.7	32.0	33.0	18.0	27.5	0.8	MKPX475P0310Z27+-000
5.6	32.0	37.0	22.0	27.5	0.8	MKPX565P0310Z27+-000
6.8	32.0	37.0	22.0	27.5	0.8	MKPX685P0310Z27+-000
1.5	41.0	22.0	11.0	37.5	1.0	MKPX155P0310H37+-000
1.8	41.0	22.0	11.0	37.5	1.0	MKPX185P0310H37+-000
2.2	41.0	24.0	13.0	37.5	1.0	MKPX225P0310H37+-000
2.7	41.0	24.0	13.0	37.5	1.0	MKPX275P0310H37+-000
3.3	41.0	26.0	15.0	37.5	1.0	MKPX335P0310H37+-000
3.3	42.0	28.0	14.0	37.5	1.0	MKPX335P0310H37+-000
3.9	42.0	28.0	14.0	37.5	1.0	MKPX395P0310H37+-000
4.7	41.0	30.0	16.0	37.5	1.0	MKPX475P0310H37+-000
5.6	41.0	33.5	18.5	37.5	1.0	MKPX565P0310H37+-000
6.8	41.0	33.5	18.5	37.5	1.0	MKPX685P0310H37+-000
8.2	41.0	37.0	22.0	37.5	1.0	MKPX825P0310H37+-000
10.0	41.0	41.0	26.0	37.5	1.0	MKPX106P0310H37+-000
12.0	41.0	41.0	26.0	37.5	1.0	MKPX126P0310H37+-000
15.0	42.0	45.0	30.0	37.5	1.0	MKPX156P0310H37+-000
18.0	42.0	50.0	35.0	37.5	1.0	MKPX186P0310H37+-000
20.0	57.0	45.0	30.0	52.5	1.2	MKPX206P0310E52+-000
22.0	57.0	50.0	35.0	52.5	1.2	MKPX226P0310E52+-000

备注：

1. "+-" 意味着容差能力能够符合 "J" "K"
2. "000" 意味着内部用轴长度
3. 电容值测量 1 kHz

REMARKS

1. "+-" Means the capacity tolerance can conform to "J" "K"
2. "000" Means Internal use the lead length
3. Capacitance value measured at 1 kHz

高频吸收聚丙烯薄膜电容器

MKP Metallized Polypropylene Film Capacitors

MKPH

产品特点

- 耐脉冲能力强
- 具有优秀的自愈性
- 优异的阻燃性能
- 优秀的可靠性
- 使用寿命长
- 符合ROHS标准

产品用途

- 电子镇流器
- 缓冲吸收
- 开关电源

产品结构

- 电介质: 聚丙烯 (MKP)
- PBT塑料外壳 (UL 94 V-0)
- 环氧树脂密封 (UL 94 V-0)

引出

- 平行引线, 无铅镀锡
- 2引线, 4引线版本
- 标准引线长度: 5 ± 0.5 mm

Features

- High pulse intensity
- Good self-healing properties
- Excellent flame retardant ability
- High reliability
- Long useful life
- RoHS-compatible

Applications

- Electronic ballasts
- Snubbing
- Switch-mode power supplies

Construction

- Dielectric: Polypropylene (MKP)
- PBT Plastic case (UL 94 V-0)
- Epoxy resin sealing (UL 94 V-0)

Terminals

- Parallel wire leads, lead-free tinned
- 2-pins, 4-pins, versions
- Standard lead lengths: 5 ± 1 mm



安全认证 Safety Approval

	CQC (中国)	GB/T 3984.1-2004, GB/T 3984.2-2004, IEC60110 高频高压谐振电容器 MKPH, 1000V-2000V, 40/105/21 50kHz, 0.01µF-0.9µF, ±5%, ±10% Certificate No.: CQC18002206821
	TUV (德国)	EN 60110-1: 1998 MKPH, 500VAC-1000VAC, 50kHz, 1000VDC-2000VDC, 0.01µF-0.9µF, ±5%, ±10%, ±20%, AN-40/105 Certificate No.: R50452454

技术参数 Technical Parameter

参考标准 Reference standard GB/T 3984, IEC 60110, IEC 60384-17

气候类别 Climatic category 40/105/21

额定温度 Operating temperature range 85°C

工作温度范围 Climatic category -40°C-105°C

电容量范围 Capacitance Range 0.01µF-0.9µF

电容量偏差 Capacitance tolerance ±5%(J), ±10%(K), ±20%(M)

额定电压 Rated voltage (VR) 1000Vdc(500Vac), 1200Vdc(600Vac), 1600Vdc(800Vac), 2000Vdc(1000Vac)

损耗角正切 Dissipation Factor $\lg \delta \leq 0.0010$ (1kHz, 20°C)

绝缘电阻 Insulation Resistance $CR \leq 0.33\mu F, IR \geq 100,000 M\Omega$
 $CR > 0.33\mu F, RC \geq 30,000s$ (20°C, 100V, 1min)

耐电压 Withstand Voltage 1.5VR, 5s

在85°C到105°C之间电压降低率
For temperatures between 85°C and 105°C $1.33\%^{100}$ C of Vop
derating compared to Vop at 85°C

电压爬升率 Dv/dt values

UR (V)	DV/Dt(V/µs)		
	P22.5	P27.5	P37.5
1000	2000	1000	300
1250	2500	1150	500
1600	3000	2000	1200
2000	5000	2500	1500

耐久性 Endurance test 85±3°C, 1.3VR, 1000h

性能要求 Performance requirements

容量变化 $|\Delta C/C| \leq 3\%$
Capacitance change $|\Delta C/C| \leq 3\%$
损耗变化 $\Delta \tan \leq 0.015$ (at 10 kHz)
Dissipation factor change $\Delta \tan \leq 0.015$ (at 10 kHz)
绝缘电阻 $R_{ins} \geq 50\%$ 规定值
Insulation resistance $R_{ins} \geq 50\%$ of initial limit

耐湿负荷测试 Biased humidity test

60±3°C, 95±3%RH, VR, 1000h

性能要求 Performance requirements

容量变化 $|\Delta C/C| \leq 5\%$
Capacitance change $|\Delta C/C| \leq 5\%$
损耗变化 $\Delta \tan \leq 0.004$ (at 10 kHz)
Dissipation factor change $\Delta \tan \leq 0.004$ (at 10 kHz)
绝缘电阻 $R_{ins} \geq 50\%$ 规定值
Insulation resistance $R_{ins} \geq 50\%$ of initial limit

常用规格表
Common Specification

CN (μ F)	W	H	T	P	D	Part number
0.068	26.5	16	7	22.5	0.8	MKPH684D1000Z22+ -000
0.082	26.5	17	8.5	22.5	0.8	MKPH824D1000Z22+ -000
0.1	26.5	18.5	10	22.5	0.8	MKPH104D1000Z22+ -000
0.15	26.5	22	12	22.5	0.8	MKPH154D1000Z22+ -000
0.33	32	25	13	27.5	0.8	MKPH334D1000Z27+ -000
0.47	32	27.5	18	27.5	0.8	MKPH474D1000Z27+ -000
0.56	32	33	18	27.5	0.8	MKPH564D1000Z27+ -000
0.82	32	37	22	27.5	1	MKPH824D1000H27+ -000
0.68	41	30	16	37.5	0.8	MKPH684D1000Z37+ -000
1200Vdc(600Vac)						
0.033	26.5	15	6	22.5	0.8	MKPH333D1200Z22+ -000
0.068	26.5	18.5	10	22.5	0.8	MKPH683D1200Z22+ -000
0.082	26.5	18.5	10	22.5	0.8	MKPH823D1200Z22+ -000
0.1	26.5	22	12	22.5	0.8	MKPH104D1200Z22+ -000
0.15	26.5	22	12	22.5	0.8	MKPH154D1200Z22+ -000
0.3	32	28	14	27.5	0.8	MKPH304D1200Z27+ -000
0.47	32	33	18	27.5	0.8	MKPH474D1200Z27+ -000
0.68	32	37	22	27.5	1	MKPH684D1200H27+ -000
0.47	41	30	16	37.5	1	MKPH474D1200H37+ -000
0.68	41.5	32	19.5	37.5	1	MKPH684D1200H37+ -000
1600Vdc(800Vac)						
0.022	26.5	15	6	22.5	0.8	MKPH223D1600Z22+ -000
0.033	26.5	17	8.5	22.5	0.8	MKPH333D1600Z22+ -000
0.1	26.5	24.5	15.5	22.5	0.8	MKPH104D1600Z22+ -000
0.056	31	18	9	27.5	0.8	MKPH564D1600Z27+ -000
0.15	32	25	13	27.5	0.8	MKPH154D1600Z27+ -000
0.22	32	27.5	18	27.5	0.8	MKPH224D1600Z27+ -000
0.33	32	37	22	27.5	1	MKPH334D1600H27+ -000
0.47	41	32	19.5	37.5	1	MKPH474D1600H37+ -000
0.56	42	40	20	37.5	1	MKPH564D1600H37+ -000
0.68	42	44	24	37.5	1	MKPH684D1600H37+ -000
0.82	42	44	24	37.5	1	MKPH824D1600H37+ -000
2000Vdc(1000Vac)						
0.01	26.5	15	6	22.5	0.8	MKPH103D2000Z22+ -000
0.015	26.5	16	7	22.5	0.8	MKPH153D2000Z22+ -000
0.022	26.5	17	8.5	22.5	0.8	MKPH223D2000Z22+ -000
0.033	26.5	18.5	10	22.5	0.8	MKPH333D2000Z22+ -000
0.047	26.5	22	12	22.5	0.8	MKPH473D2000Z22+ -000
0.068	26.5	24.5	15.5	22.5	0.8	MKPH683D2000Z22+ -000
0.047	32	20	11	27.5	0.8	MKPH473D2000Z27+ -000
0.068	32	25	13	27.5	0.8	MKPH683D2000Z27+ -000
0.15	32	33	18	27.5	0.8	MKPH154D2000Z27+ -000
0.22	32	37	22	27.5	1	MKPH224D2000H27+ -000
0.22	41	30	16	37.5	0.8	MKPH224D2000Z37+ -000
0.33	42	40	20	37.5	1	MKPH334D2000H37+ -000
0.47	42	44	24	37.5	1	MKPH474D2000H37+ -000
0.56	42	45	30	37.5	1.2	MKPH564D2000E37+ -000

备注:

1. "+-" 意味着电容能力能够符合 "J" "K"
2. "000" 意味着内部用轴长度
3. 电容值测量1 kHz

REMARKS

1. "+-" Means the capacity tolerance can conform to "J" "K"
2. "000" Means Internal use the lead length
3. Capacitance value measured at 1 kHz

缓冲吸收聚丙烯薄膜电容器

MKPD Metallized Polypropylene Film Capacitors

MKPD

产品特点

- 耐脉冲能力强
- 具有优秀的自愈性
- 优异的阻燃性能
- 优秀的可靠性
- 使用寿命长
- 符合ROHS标准

产品用途

- 电子镇流器
- 缓冲吸收
- 开关电源

产品结构

- 电介质：聚丙烯 (MKP)
- PBT塑料外壳 (UL 94 V-0)
- 环氧树脂密封 (UL 94 V-0)

引出

铜端片、无铅镀锡

Features

- High pulse intensity
- Good self-healing properties
- Excellent flame retardant ability
- High reliability
- Long useful life
- RoHS-compatible

Applications

- Electronic ballasts
- Snubbing
- Switch-mode power supplies

Construction

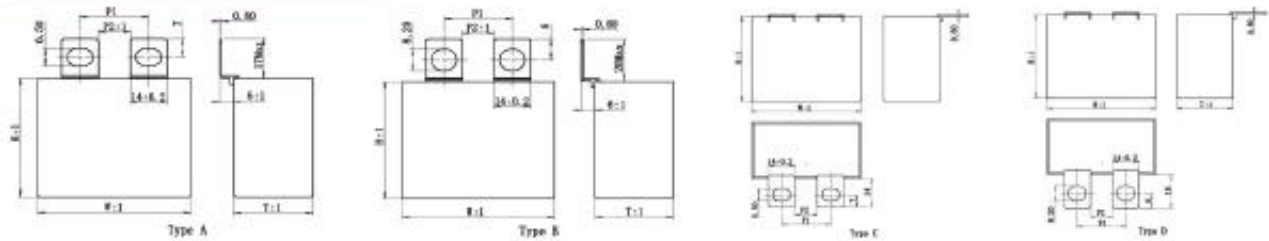
- Dielectric: Polypropylene (MKP)
- PBT Plastic case (UL 94 V-0)
- Epoxy resin sealing (UL 94 V-0)

Terminals

Copper terminals, lead-free tin plating



外形图 Outline Drawing



Type A 安装孔径: M6					Type B 安装孔径: M8			
外壳长度W	P1	P2	P1	P2	P1	P2	P1	P2
42.5	22-28	11	19-25	8	11	24-26	21-23	8
57.5	22-28	11	35-41	24	11	24-26	37-39	24
Type C 安装孔径: M6					Type D 安装孔径: M8			
外壳长度W	P1	P2	P1	P2	P1	P2	P1	P2
42.5	22-28	11	19-25	8	11	24-26	21-23	8
57.5	22-28	11	35-41	24	11	24-26	37-39	24

技术参数 Technical Parameter

参考标准 Reference standard	GB/T 17702-2013(IEC 61071:2007):		
气候类别 Climatic category	40/105/56		
工作温度范围 (外壳) Operating temperature range (case)	最高工作温度 Max. operating temperature, Top +105°C	最低工作温度 Lower category temperature T _{min} -40°C	
电容量范围 Capacitance Range	0.047 μF ~ 6.8 μF		
电容量偏差 Capacitance tolerance	J(±5%), K(±10%)		
额定电压 Rated voltage (VR)	700Vdc ~ 3000VDC		

在85°C到105°C之间电压降低率
For temperatures between 85°C and 105°C

1.33%/°C of V_{op} derating compared to V_{op} at 85°C

直流耐压 (电极间)
DC test voltage between terminals (10 s)

1.5*U_n (10s)

绝缘耐压 (极壳间)
Voltage test terminal to case (10 s)

2100 V AC, 50 Hz

绝缘电阻
Insulation Resistance

I_r > 100 000 MΩ, C_N < 0.33 μF
I_r × C_N ≥ 30 000 s, C_N > 0.33 μF
20° C, 100Vdc, 1min

峰值电流 Maximum peak current

I = C*dV/dT

预期使用寿命 Operation life time

100 000h at U_n and 8 hs 70°C

常用规格表
Common Specification

C (μ F)	W ± 1	T ± 1	H ± 1	dV/dt (V/us)	Ipeak (A)	ESR @100kHz (m Ω)	Irms @10kHz 70°C (A)	Ls (nH)	Part number
Un 1200Vdc, Us 1800Vdc, Urms 500Vac									
0.47	42.5	24.5	27.5	650	305.5	7.6	14	≤ 25	MKPD474D1200***+-042
0.56	42.5	24.5	27.5	650	364	6.4	14.5	≤ 25	MKPD564D1200***+-042
1	42.5	33.5	35.5	650	650	3.8	20.5	≤ 25	MKPD105D1200***+-042
1.2	42.5	33	45	650	780	3.6	22.5	≤ 25	MKPD125D1200***+-042
1.5	42.5	33	45	650	975	4.2	25	≤ 25	MKPD155D1200***+-042
2	57.5	30	45	450	900	3.8	27	≤ 35	MKPD205D1200***+-057
2.5	57.5	35	50	450	1125	3.5	30	≤ 35	MKPD255D1200***+-057
3	57.5	35	50	450	1350	3.2	31	≤ 35	MKPD305D1200***+-057
4.5	57.5	42.5	56	450	2025	3.1	32	≤ 35	MKPD455D1200***+-057
Un 1600Vdc/1700Vdc, Us 2750Vdc, Urms 550Vac									
0.22	42.5	24.5	27.5	900	198	12	11	≤ 25	MKPD224D1700***+-042
0.33	42.5	24.5	27.5	900	297	8	12.5	≤ 25	MKPD334D1700***+-042
0.47	42.5	28	37	900	423	6.5	15.5	≤ 25	MKPD474D1700***+-042
0.56	42.5	28	37	900	504	6	16	≤ 25	MKPD564D1700***+-042
0.68	42.5	33.5	35.5	900	612	5.5	16.3	≤ 25	MKPD684D1700***+-042
0.82	42.5	33	45	900	738	5.2	21.7	≤ 25	MKPD824D1700***042
1	57.5	30	45	800	800	5	22	≤ 35	MKPD105D1700***+-057
1.2	57.5	30	45	650	780	4.6	25	≤ 35	MKPD125D1700***+-057
1.5	57.5	35	50	650	975	3.8	27.5	≤ 35	MKPD155D1700***+-057
2.2	57.5	42.5	56	650	1430	3.5	30	≤ 35	MKPD225D1700***+-057
Un 2000Vdc, Us 3000Vdc, Urms 630Vac									
0.22	42.5	24.5	27.5	1000	220	11.5	10	≤ 25	MKPD224D2000***+-042
0.33	42.5	28	37	1000	330	9.5	15.5	≤ 25	MKPD224D2000***+-042
0.47	42.5	28	37	1000	470	5.5	18	≤ 25	MKPD224D2000***+-042
0.56	42.5	33	45	1000	560	4.8	20.5	≤ 25	MKPD224D2000***+-042
0.68	57.5	30	45	750	510	5.7	22.5	≤ 35	MKPD225D2000***+-057
0.82	57.5	30	50	750	615	4.7	24	≤ 35	MKPD225D2000***+-057

备注：

1. "+-" 意味着容忍能力能够符合 "J" "K"
2. 电容值测量 10 kHz
3. Irms 为 70°C, 在 10 kHz $\Delta T \leq 15^\circ\text{C}$
4. 典型的 ESL 值测量共振频率
5. 典型的 ESR 100 千赫测量值

REMARKS

1. "+-" Means the capacity tolerance can conform to "J" "K"
2. Capacitance value measured at 10 kHz
3. Irms at 70°C, at 10 kHz for a $\Delta T \leq 15^\circ\text{C}$
4. Typical ESL value measured at resonance frequency
5. Typical ESR at 100 kHz measured value

聚丙烯薄膜电容器

MKP Metallized Polypropylene Film Capacitors

MKPC

产品特点

- ◆ 耐脉冲能力强
- ◆ 具有优秀的自愈性
- ◆ 优异的阻燃性能
- ◆ 优秀的可靠性
- ◆ 使用寿命长
- ◆ 符合ROHS标准

产品用途

- ◆ 电子镇流器
- ◆ 缓冲吸收
- ◆ 开关电源

产品结构

- ◆ 电介质：聚丙烯 (MKP)
- ◆ PBT塑料外壳 (UL 94 V-0)
- ◆ 环氧树脂密封 (UL 94 V-0)

引出

- ◆ 平行引线，无铅镀锡
- ◆ 2引线
- ◆ 标准引线长度：5 ± 0.5 mm

Features

- ◆ High pulse intensity
- ◆ Good self-healing properties
- ◆ Excellent flame retardant ability
- ◆ High reliability
- ◆ Long useful life
- ◆ RoHS-compatible

Applications

- ◆ Electronic ballasts
- ◆ Snubbing
- ◆ Switch-mode power supplies

Construction

- ◆ Dielectric: Polypropylene (MKP)
- ◆ PBT Plastic case (UL 94 V-0)
- ◆ Epoxy resin sealing (UL 94 V-0)

Terminals

- ◆ Parallel wire leads, lead-free tinned
- ◆ 2-pins
- ◆ Standard lead lengths: 5 ± 1 mm



技术参数 Technical Parameter

参考标准 Reference standard GB/T10190, IEC 60384-16

气候类别 Climatic category 40/105/56

工作温度范围
Operating temperature range -40°C~105°C

电容量范围 Capacitance Range 0.0033 µF-6.8 µF

电容量偏差 Capacitance tolerance ±2%(G), ±3%(H), ±5%(J), ±10%(K), ±20%(M)

耐久性
Endurance test 85 ± 3° C, 1.25VR, 1000h

性能要求
Performance requirements 容量变化 | ΔC/C | ≤ 5%
Capacitance change | ΔC/C | ≤ 5%
损耗变化 Δtan ≤ 0.004 (at 10 kHz)
Dissipation factor change Δtan ≤ 0.004 (at 10 kHz)
绝缘电阻 Rins ≥ 50% 规定值
Insulation resistance Rins ≥ 50% of initial limit

潮湿负荷测试
Biased humidity test 60 ± 3° C, 95 ± 3%RH, VR, 1000h

性能要求
Performance requirements 容量变化 | ΔC/C | ≤ 5%
Capacitance change | ΔC/C | ≤ 5%
损耗变化 Δtan ≤ 0.004 (at 10 kHz)
Dissipation factor change Δtan ≤ 0.004 (at 10 kHz)
绝缘电阻 Rins ≥ 50% 规定值
Insulation resistance Rins ≥ 50% of initial limit

额定电压 Rated voltage (VR) 250Vdc(160Vac), 400Vdc(200Vac), 630Vdc(250Vac), 1000Vdc(250Vac), 1250Vdc(500Vac), 1600Vdc(500Vac), 2000Vdc(700Vac)

损耗角正切 Dissipation Factor tg δ ≤ 0.0010(1kHz, 20°C)

绝缘电阻
Insulation Resistance $C_v \leq 0.33 \mu F, R_i \geq 100000 M\Omega$
 $C_v > 0.33 \mu F, RC \geq 300000s (20^\circ C, 100V, 1min)$

耐电压 Withstand Voltage 1.6U_n, 5s

在85°C到105°C之间电压降低率
For temperatures between 85°C and 105°C 1.33%/°C of V_{op} derating compared to V_{op} at 85°C

电压爬升率 Dv/dt values (V/µs)

U _n (V)	P15	P22.5	P27.5
250	200	120	50
400	300	180	100
630	400	300	150
1000	975	600	300
1250	1850	1150	500
1600	4500	2400	1000
2000	8000	7000	2300

常用规格表
Common Specification

CN (μ F)	W	H	T	P	d	Part number
250Vdc(160Vac)						
1.00	26.5	18.5	10.0	22.5	0.8	MKPC105D0250Z22***
1.20	26.5	18.5	10.0	22.5	0.8	MKPC125D0250Z22***
1.50	26.5	20.0	11.0	22.5	0.8	MKPC155D0250Z22***
2.20	26.5	24.5	15.5	22.5	0.8	MKPC225D0250Z22***
1.50	32.0	20.0	11.0	27.5	0.8	MKPC155D0250Z27***
2.20	32.0	22.0	13.0	27.5	0.8	MKPC225D0250Z27***
3.30	32.0	25.0	13.0	27.5	0.8	MKPC335D0250Z27***
4.70	32.0	28.0	17.0	27.5	1.0	MKPC475D0250H27**
5.60	32.0	33.0	18.0	27.5	1.0	MKPC565D0250H27**
6.80	32.0	33.0	18.0	27.5	1.0	MKPC685D0250H27**
1000Vdc(250Vac)						
0.100	26.5	17.0	8.5	22.5	0.8	MKPC104D1000Z22**
0.220	26.5	18.5	10.0	22.5	0.8	MKPC224D1000Z22**
0.330	26.5	24.5	15.5	22.5	0.8	MKPC334D1000Z22**
0.560	26.5	29.5	14.5	22.5	0.8	MKPC564D1000Z22**
0.330	32.0	20.0	11.0	27.5	0.8	MKPC334D1000Z27**
0.470	32.0	24.5	15.0	27.5	0.8	MKPC474D1000Z27**
0.560	32.0	28.0	14.0	27.5	0.8	MKPC564D1000Z27**
1250Vdc(500Vac)						
0.010	18.0	12.0	6.0	15	0.8	MKPC103D1250Z15***
0.015	18.0	13.5	7.5	15	0.8	MKPC153D1250Z15***
0.022	18.0	14.5	8.5	15	0.8	MKPC223D1250Z15***
0.033	18.0	16.0	10.0	15	0.8	MKPC333D1250Z15***
0.047	18.0	19.0	11.0	15	0.8	MKPC473D1250Z15***
0.100	26.5	20.0	11.0	22.5	0.8	MKPC104D1250Z22***
0.150	26.5	24.5	15.0	22.5	0.8	MKPC334D0630Z15***
0.220	26.5	29.5	14.5	22.5	0.8	MKPC224D0630Z22***
0.100	32.0	18.0	9.0	27.5	0.8	MKPC334D0630Z22***
0.150	32.0	20.0	11.0	27.5	0.8	MKPC474D0630Z22***
0.220	32.0	25.0	13.0	27.5	0.8	MKPC684D0630Z22***
0.330	32.0	28.0	14.0	27.5	0.8	MKPC105D0630Z22***
0.470	32.0	33.0	18.0	27.5	1.0	MKPC684D0630Z27***
1600Vdc(500Vac)						
0.0220	26.5	16.0	7.0	22.5	0.8	MKPC103D1600Z22*
0.0330	26.5	17.0	8.5	22.5	0.8	MKPC103D1600Z22*
0.0470	26.5	20.0	11.0	22.5	0.8	MKPC103D1600Z22*
0.0560	26.5	22.0	12.0	22.5	0.8	MKPC103D1600Z22*
0.1000	26.5	24.5	15.0	22.5	0.8	MKPC103D1600Z22*
0.0470	32.0	18.0	9.0	27.5	0.8	MKPC103D1600Z27*
0.0680	32.0	20.0	11.0	27.5	0.8	MKPC103D1600Z27*
0.1000	32.0	24.5	15.0	27.5	0.8	MKPC103D1600Z27*
0.1900	32.0	28.0	17.0	27.5	1.0	MKPC103D1600H27*
2000Vdc(700Vac)						
0.0033	18.0	14.5	8.5	15	0.8	MKPC104D1000Z15**
0.0047	26.5	15.0	6.0	22.5	0.8	MKPC564D1000Z22**
0.0068	26.5	16.0	7.0	22.5	0.8	MKPC334D1000Z27**
0.0100	26.5	17.0	8.5	22.5	0.8	MKPC474D1000Z27**
0.0150	26.5	18.5	10.0	22.5	0.8	MKPC564D1000Z27**
0.0220	26.5	20.0	11.0	22.5	1.0	MKPC684D1000Z27**
0.0330	26.5	24.5	15.0	22.5	1.0	MKPC105D1000Z27**
0.0220	31.5	20.0	11.0	27.5	1.0	MKPC155D1000Z27**
0.0330	32.0	22.0	13.0	27.5	1.0	MKPC105D1000Z27**
0.0470	31.5	25.0	13.0	27.5	0.8	MKPC103D1250Z15***
0.0680	32.0	28.0	14.0	27.5	0.8	MKPC153D1250Z15***

备注：

1. "+-" 意味着容忍能力能够符合 "J" "K"
2. "000" 意味着内部用铅长度
3. 电容值测量1 kHz

REMARKS

1. "+-" Means the capacity tolerance can conform to "J" "K"
2. "000" Means internal use the lead length
3. Capacitance value measured at 1 kHz

企业文化

Culture



裕
华
电
器

企业目标 Business Goals

成为国内薄膜电容器和滤波器行业领军品牌

成为国际薄膜电容器和滤波器行业一流品牌

To be the leading brand in the film capacitor and filter industry at home and abroad

品牌主张 Brand Philosophy

质量是企业大厦根基

顾客是企业生命源泉

Quality is the foundation of the company

Customers are the lifeline of the company



服务中心

Service Centre

如果您需要我们的产品或者想了解更多，请您联系我们，我们将诚心诚意为您提供专业、优质的服务。

For more information you need, please contact to us. We will provide the professional and excellent services to you sincerely.



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