

CAPACITOR CATALOG 丰明电容 2021

为企业的成功配套。为企业的成功配套

To support a successful enterprise

To support the success of an enterprise



广东丰明电子科技有限公司

GUANGDONG FENGMING ELECTRONIC TECH. CO., LTD.

广东省佛山市顺德区北滘镇黄龙村委会龙乐路1号
NO.1, LONGLE ROAD, BEIJIAO TOWN, SHUNDE, FOSHAN, GUANGDONG, CHINA

☎ 0757-2360 2823

☎ 0757-26331688

✉ info@bm-cap.com

🌐 www.bm-cap.cn/www.bm-cap.com



关注 丰明
资讯 动态





公司简介(一) | INTRODUCTION I

广东丰明电子科技有限公司，始创于2000年，占地3.3万平方米，拥有10万平米高标准厂房，日产270万只电容器。

丰明电子分设三大研究中心及六大产品事业部，从事多类薄膜电容器及金属化薄膜的应用研究、开发、设计、制造与销售。

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

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

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

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

BM always assures you the best service.

更多产品资讯，敬请登陆：www.bm-cap.com

公司简介(二) | INTRODUCTION II

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

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



三大研究中心 3 Research Centers



产品开发中心
Developing center



工艺研究中心
Process Research Center



实验检测中心
Testing Center

六大产品事业部 6 Product Divisions



交流电容器
事业部
AC Motor Caps Div



片式电容器
事业部
Air-con Motor Caps Div



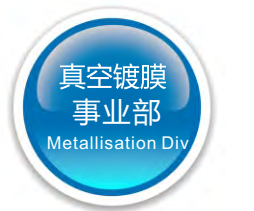
安规电容器
事业部
X2 Caps Div



针式电容器
事业部
Induction heating Caps Div



工业电容器
事业部
Industrial Caps Div



真空镀膜
事业部
Metallisation Div

公司简介(三) | INTRODUCTION III



广东省著名商标
Famous mark in Guangdong Province



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



高新技术企业
High-tech Enterprises



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



广东省著名商标
Famous mark in Guangdong Province



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



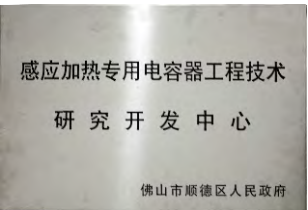
广东省民营科技企业
Private Science and Technology Enterprises in Guangdong Province



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



顺德区龙腾企业
LQ Enterprises in Shunde Area



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

技术力量 | Technical Force



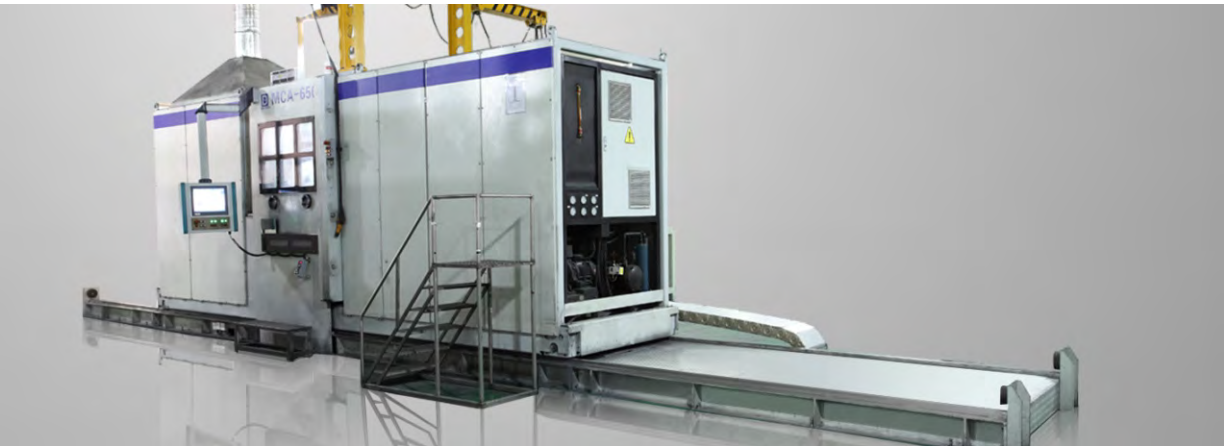
产品开发中心 R&D Center



工艺研究中心 Technology Research Center



实验检测中心 Testing Center



真空镀膜

专利清单 Patent List :

实用新型专利 Utility model patent

申请人	申请号	授权日期	名称
1.广东丰明电子科技有限公司	200720050835.3	2008-03-12	一种新型电容器绝缘塑料外壳
2.广东丰明电子科技有限公司	200920056248.4	2010-02-17	一种薄膜分切机的收卷轴
3.广东丰明电子科技有限公司	200920056247.X	2010-02-17	一种电容器芯子包裹器
4.广东丰明电子科技有限公司	200920056249.9	2010-02-17	一种电容器外壳
5.广东丰明电子科技有限公司	200920058449.8	2010-05-26	一种电容器的自动包胶机
6.广东丰明电子科技有限公司	200920058450.0	2010-05-05	一种安全型金属化薄膜电容器
7.广东丰明电子科技有限公司	201020119520.1	2010-02-09	一种安规电容器的外壳
8.广东丰明电子科技有限公司	201020505949.4	2011-04-27	一种新型电容器外壳
9.广东丰明电子科技有限公司	201020538715.X	2011-03-16	一种用于直流滤波电容器的外壳
10.广东丰明电子科技有限公司	201020572625.2	2011-04-27	一种用于外接引线的电容器
11.广东丰明电子科技有限公司	201020613387.5	2011-06-15	一种用于感应加热的模块式电容器
12.广东丰明电子科技有限公司	201020627485.4	2011-06-29	一种具有安全防爆的电容器
13.广东丰明电子科技有限公司	201120109690.6	2011-10-05	一种新型微波炉用干式结构电容器
14.广东丰明电子科技有限公司	201120136554.6	2011-12-14	一种用于直流滤波的中心散热式电容器
15.广东丰明电子科技有限公司	201120562909.8	2012-08-15	用于感应加热的外置型电容器
16.广东丰明电子科技有限公司	201320346909.3	2013-11-13	一种中心加强散热式电容器
17.广东丰明电子科技有限公司	201320375209.7	2013-11-13	一种全塑封式端子引出型电容器
18.广东丰明电子科技有限公司	201520582143.8	2015-12-09	一种圆芯方壳端子引出型电容器
19.广东丰明电子科技有限公司	201720098653.7	2017-10-24	一种高效防潮电容器
20.广东丰明电子科技有限公司	201720098661.1	2017-08-04	一种用于电磁感应加热的电容器
21.广东丰明电子科技有限公司	201821129180.3	2019-01-04	一种内串式金属化安全膜电容器
22.广东丰明电子科技有限公司	201821727726.5	2019-05-21	一种散热式模组电容器
23.广东丰明电子科技有限公司	201821812365.4	2019-04-23	一种便于定位结构的电容器
24.广东丰明电子科技有限公司	201821907973.3	2019-07-02	一种高压金属箔式电容器
25.广东丰明电子科技有限公司	201920033666.5	2019-08-13	一种内串式抗电晕金属化膜
26.广东丰明电子科技有限公司	201920492709.6	2019-11-22	一种快速换接引线型电容器
27.广东丰明电子科技有限公司	201920636823.1	2019-11-22	一种插入式安装耳的电容器外壳
28.广东丰明电子科技有限公司	201921524741.4	2020-04-03	一种内串式防爆薄膜电容器
29.广东丰明电子科技有限公司	202020269223.9	2020-10-16	一种降低冷热冲击应力的电容器

外观专利 Appearance patent

申请人	申请号	授权日期	名称
1 广东丰明电子科技有限公司	201030569113.6	2011-02-09	电容器 (CBB61)
2.广东丰明电子科技有限公司	201730307058.5	2017-12-12	方形电容器壳体
3.广东丰明电子科技有限公司	201830117513.X	2018-03-20	安规电容器 (标识设计)

质量保证 | Quality Assurance

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

ISO9001及ISO14001国际质量与环境体系标准



IATF16949汽车质量管理体系认证



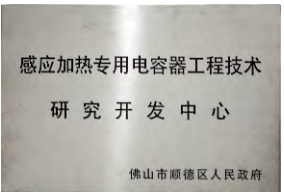
ROHS



已先后获得中国CQC,美国UL,德国VDE,TUV,欧洲ENEC,CB认证,以及印度的BIS认证。
Has got CQC, cULus, VDE, TUV, ENEC, CB certificate.



高新技术企业
High-tech Enterprises



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



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



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

X射线光谱仪
X ray spectrometer



微电脑抗压强度试验机
Micro-computer tensile strength tester



恒温胶带保持力试验机
Thermostat tape retention testing machine



电容器耐久性试验装置
Endurance test device



漏电流痕试验仪
Dielectric Test machine



高低温交变试验箱
High and low temperature test chamber



市场地位 Market Share



广东省著名商标



广东省名牌产品

三大主导产品市场份额
Three Leading Products
Market Share

70% 电磁炉专用电容器
80% 空调风机用电容器
40% 风扇用电容器

部分客户 PART OF REFERENCES

美的 Midea

Haier

LG

SAMSUNG

DAIKIN
大金空调

Electrolux

beko

VESTEL

TOSHIBA 东芝

GREE 格力

Galanx 格兰仕

AUX 奥克斯

TCL

SUPOR
苏泊尔

DONLIM[®]
东菱电器

GINGA
超河电机工业株式会社

Carrier

KELON

Hisense

SMC

TIGER

Joyoung 九阳

A 艾美特

TOPBAND 拓邦

产品目录 | Product catalog

	交流电容器事业部 AC MOTOR CAPACITOR DEPARTMENT	13
CBB61	双线系列 Two wires series	14
CBB61	焊片系列 Soldering lug series	15
CBB61	端子系列 Terminal series	16
CBB61	调速系列 Speed regulation series	17
CBB60 Series		20
CBB65 Series		21
灯具电容器	Lighting capacitor series	22

	片式电容器事业部 TERMINAL TYPE CAPACITOR DEPT	23
CBB61	插片系列 Insert series	24
CBB61	插针系列 Pin series	25
CBB61	静音系列 Noise-resistant series	26
CBB61-P2	安全防爆系列 Safety explosion protection series	27

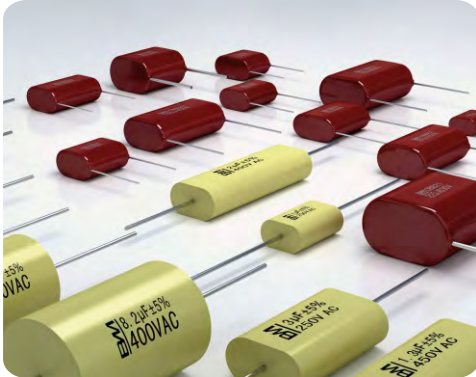
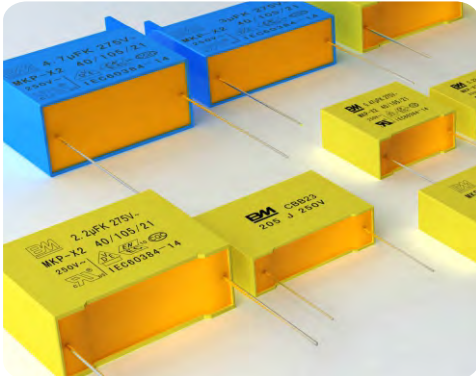
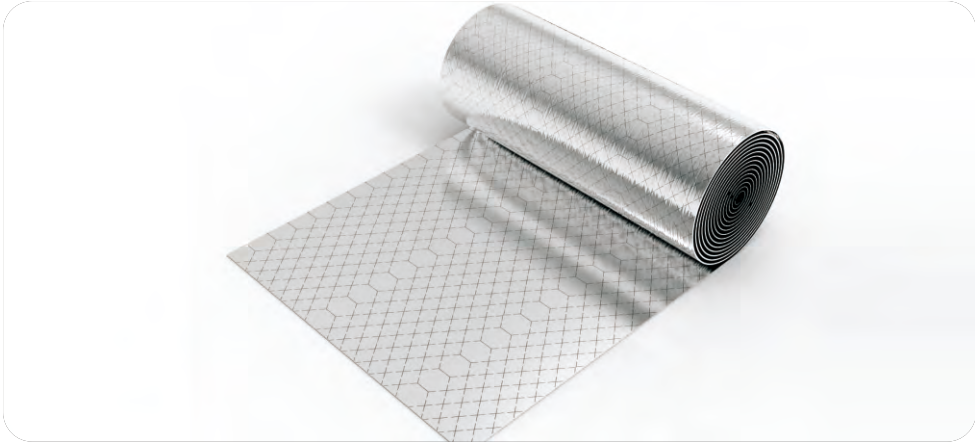
	安规电容器事业部 X2 CAPACITOR DEPARTMENT	29
MKP-X2	抑制电源电磁干扰用安规电容器 EMI capacitor (Interference Suppression)	30
MKP-X2	阻容降压专用交流安规电容器 Safety Approval Capacitor For capacitive divider	31
CBB23	阻容降压用盒装化金属化聚丙烯薄膜电容器 Box type film capacitor for capacitive divider	32
CBB21	金属化聚丙烯薄膜电容器 Metallised Polypropylene Film Capacitor (Dipped capacitor)	34
CBB22	金属化聚丙烯薄膜电容器 Metallised Polypropylene Film Capacitor (Dipped capacitor)	35
CBB81	金属化聚丙烯膜、箔电容器 Metallised Polypropylene Film and Foil Capacitor	36
CBB20	金属化聚丙烯薄膜扁形轴向电容器 Axial Metallised Polypropylene Capacitor - Flat Type	37
CBB20	金属化聚丙烯薄膜圆形轴向电容器 Axial Metallised Polypropylene Capacitor - round Type	38



	针式电容器事业部 INDUCTION HEATING CAPACITOR DEPARTMENT	39
MKP	电磁炉电容器 跨线抗干扰系列 Induction heating capacitor: Across-the-line interference suppression series	40
MKP	电磁炉电容器 平滑滤波系列 Induction heating capacitor: smoothing filter Series	41
MKPH	电磁炉电容器 高压谐振系列 Induction heating Capacitor: high voltage resonance series	42
MKP/MKPH	电磁炉电容器 小型化系列 Mini size induction heating capacitor	43
MKP	电磁炉电容器 安全型跨线系列 Induction heating Capacitor: P2 class safety across-the-line series	44
CBB85	微波炉倍压整流电路用电容器 Capacitor for microwave ovens (standard class series)	45

	工业电容器事业部 INDUSTRIAL APPLICATION CAPACITOR DEPARTMENT	48
更多产品信息请参阅2021版工业电容器目录分册 >>>		49

	真空镀膜事业部 METALLISATION DEPARTMENT	50
---	-------------------------------------	----



交流电容器事业部

AC CAPACITOR DEPARTMENT

主要生产交流电动机启动、运行及调速系列电容。在台扇、落地扇、楼底扇、吊扇、排气扇、抽油烟机、热水器、除湿机、麻将机、碎纸机等电器中广泛应用。

Mainly produce AC Motor Capacitor which is used for starting, running and adjust speed. It's widely used for Table Fan, Floor Fan, Ceiling Fan, Wall Fan, Luxury Ceiling Fan, Exhaust Fan, Extractor hood, Heater, Dehumidifier, Mahjong machine, Smash Paper Machine, etc.



自动调速电容包胶机
Automatic speed regulating capacitor wrapping machine



自动焊线机
Automatic welding machine



交流电容器

AC CAPACITOR

采用电工级聚丙烯薄膜作为介质、锌铝金属化层作为电极,优质工程塑料外壳，阻燃环氧树脂灌封，PVC电子线引出，通用性强，装配灵活。

- Metallised polypropylene(MPP) film capacitor;
- Epoxy filling;
- PVC wires;
- Universal application;
- Flexible mounting.

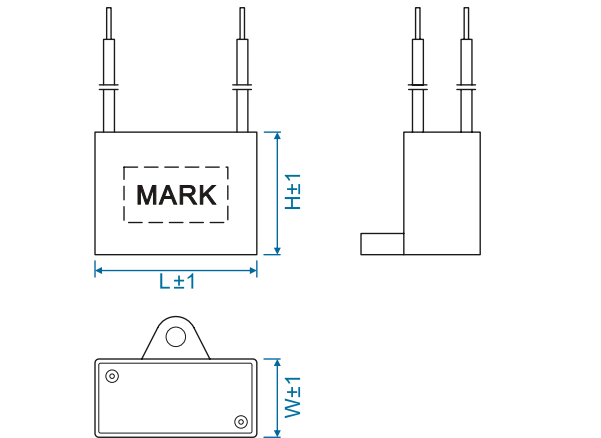
认证标志	Safety approvals	CQC、UL、CUL、VDE、TUV
执行标准	Implemented standard	GB/T3667.1、UL810、EN60252-1
环境温度	Environment temperature	-40°C~+105°C
额定电压	Rated voltage	110VAC~600VAC (50/60Hz)
容量范围	Capacitance range	0.1μF ~ 80μF
容量偏差	Capacitance tolerance	±5%(J)、±10%(K)
损耗角正切	Tangent of loss angle(20°C)	≤0.002 (100Hz)
试验电压	Testing voltage	
	极间 between terminals	2*U _N (VAC) / 60s (CQC、VDE、TUV) 1.5*U _N (VAC) / 60s (UL)
	极壳 between terminals and case	2*U _N +1000(VAC) / 60s(≥2000VAC)
防护等级	Class of safety protection	CQC、VDE、TUV:S0、S3
故障电流	Fault current	UL、CUL:10,000AFC

常用规格 Dimension							Unit : mm
Rated cap.	250VAC	300VAC	350VAC	400VAC	450VAC	500VAC	550~600VAC
	L*W*H	L*W*H	L*W*H	L*W*H	L*W*H	L*W*H	L*W*H
0.40μF	—	—	—	—	31*9*17	31*9*19	32*11*21
0.50μF	—	—	—	—	31*9*17	31*9*19	32*11*21
0.56μF	—	—	—	31*9*17	31*9*19	32*10*19.5	32*11*21
0.60μF	—	—	—	31*9*17	32*10*19.5	32*11*21	36*11*22
0.80μF	—	—	31*9*19	32*10*19.5	32*11*21	36*10.5*20	36*12*22
1.0μF	—	31*9*7	32*10*19.5	32*11*21	36*10.5*20	36*11*22	36*12*22
1.2μF	31*9*17	32*10*19.5	32*11*21	36*11*22	36*12*22	36*12.5*24	36*15*25
1.5μF	31*9*19	32*11*21	36*11*22	36*12*22	36*12.5*24	36*15*25	36*16*28
1.8μF	31*10*19	36*10.5*20	36*12*22	36*12.5*24	36*15*25	36*16*28	38*18.5*29
2.0μF	31*10*19	36*11*22	36*12.5*24	37*13.5*24	36*15*25	38*17*28	38*19.5*31
2.2μF	32*11*21	36*11*22	36*12.5*24	37*13.5*24	36*16*28	38*18.5*29	38*19.5*31
2.5μF	32*11*21	36*12*22	36*15*25	36*16*28	38*17*28	38*19.5*31	48*19*28
3.0μF	36*12*22	36*12.5*24	36*16*28	38*17*28	38*19.5*31	47*17*31	47*20*31
3.5μF	36*12*22	36*15*25	38*17*28	38*18.5*29	47*17*28	47*20*31	47*23*32
4.0μF	36*12.5*24	38*14.5*27	38*18.5*29	38*19.5*31	48*19*28	47*20*33	47*23*35
4.5μF	36*12.5*24	36*16*28	38*19.5*31	48*17*28	47*20*31	47*23*35	47*24*37
5.0μF	37*13.5*24	38*17*28	48*17*28	47*17*31	47*20*31	47*23*35	47*27*37
6.0μF	38*16*27	38*18.5*29	38*19.5*31	47*20*31	47*23*35	47*27*37	58*26*38
6.5μF	38*16*27	38*18.5*29	47*19*31	48*22*32	47*23*35	48*28*40	58*26*38
8.0μF	48*17*28	48*19*28	47*23*32	47*23*35	47*27*37	58*23*38	58*30*40
10μF	47*20*31	47*20*33	47*24*37	48*28*40	58*26*38	58*30*40	70*38*52
12μF	48*19*28	47*23*35	48*28*40	58*26*38	58*28*40	58*32*43	70*38*52

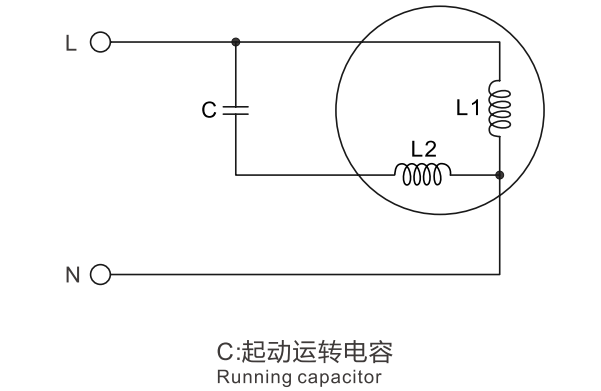
双线系列

Two wires Series

CBB61



典型线路图
Typical circuit



C:起动运转电容
Running capacitor

交流电容器

AC CAPACITOR

采用电工级聚丙烯薄膜作为介质、锌铝金属化层作为电极，优质工程塑料外壳，阻燃环氧树脂灌封，焊片式引出。产品体积小，性价比高。

- Metallised polypropylene(MPP) film capacitor;
- Epoxy filling;
- soldering lug lead;
- Smaller dimensions;
- High price/performance ratio.

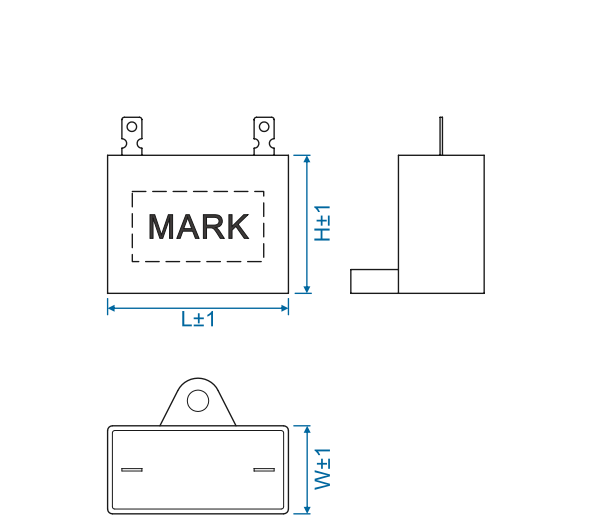
认证标志	Safety approvals	CQC、UL、CUL、VDE、TUV
执行标准	Implemented standard	GB/T3667.1、UL810、EN60252-1
环境温度	Environment temperature	-40℃~+105℃
额定电压	Rated voltage	110VAC~600VAC (50/60Hz)
容量范围	Capacitance range	0.1μF ~ 80μF
容量偏差	Capacitance tolerance	±5%(J)、±10%(K)
损耗角正切	Tangent of loss angle(20℃)	≤0.002 (100Hz)
试验电压	Testing voltage	
	极间 between terminals	2*U _N (VAC) / 60s (CQC、VDE、TUV) 1.5*U _N (VAC) / 60s (UL)
	极壳 between terminals and case	2*U _N +1000(VAC) / 60s(≥2000VAC)
防护等级	Class of safety protection	CQC、VDE、TUV:S0、S3
故障电流	Fault current	UL、CUL:10,000AFC

常用规格 Dimension								Unit : mm
Rated cap.	250VAC	300VAC	350VAC	400VAC	450VAC	500VAC	550~600 VAC	
	L*W*H	L*W*H	L*W*H	L*W*H	L*W*H	L*W*H	L*W*H	
0.40μF	—	—	—	—	31*9*17	31*9*19	32*11*21	
0.50μF	—	—	—	—	31*9*17	31*9*19	32*11*21	
0.56μF	—	—	—	31*9*17	31*9*19	32*10*19.5	32*11*21	
0.60μF	—	—	—	31*9*17	32*10*19.5	32*11*21	36*11*22	
0.80μF	—	—	31*9*19	32*10*19.5	32*11*21	36*10.5*20	36*12*22	
1.0μF	—	31*9*7	32*10*19.5	32*11*21	36*10.5*20	36*11*22	36*12*22	
1.2μF	31*9*17	32*10*19.5	32*11*21	36*11*22	36*12*22	36*12.5*24	36*15*25	
1.5μF	31*9*19	32*11*21	36*11*22	36*12*22	36*12.5*24	36*15*25	36*16*28	
1.8μF	31*10*19	36*10.5*20	36*12*22	36*12.5*24	36*15*25	36*16*28	38*18.5*29	
2.0μF	31*10*19	36*11*22	36*12.5*24	37*13.5*24	36*15*25	38*17*28	38*19.5*31	
2.2μF	32*11*21	36*11*22	36*12.5*24	37*13.5*24	36*16*28	38*18.5*29	38*19.5*31	
2.5μF	32*11*21	36*12*22	36*15*25	36*16*28	38*17*28	38*19.5*31	48*19*28	
3.0μF	36*12*22	36*12.5*24	36*16*28	38*17*28	38*19.5*31	47*17*31	47*20*31	
3.5μF	36*12*22	36*15*25	38*17*28	38*18.5*29	47*17*28	47*20*31	47*23*32	
4.0μF	36*12.5*24	38*14.5*27	38*18.5*29	38*19.5*31	48*19*28	47*20*33	47*23*35	
4.5μF	36*12.5*24	36*16*28	38*19.5*31	48*17*28	47*20*31	47*23*35	47*24*37	
5.0μF	37*13.5*24	38*17*28	48*17*28	47*17*31	47*20*31	47*23*35	47*27*37	
6.0μF	38*16*27	38*18.5*29	38*19.5*31	47*20*31	47*23*35	47*27*37	58*26*38	
6.5μF	38*16*27	38*18.5*29	47*19*31	48*22*32	47*23*35	48*28*40	58*26*38	
8.0μF	48*17*28	48*19*28	47*23*32	47*23*35	47*27*37	58*23*38	58*30*40	
10μF	47*20*31	47*20*33	47*24*37	48*28*40	58*26*38	58*30*40	70*38*52	
12μF	48*19*28	47*23*35	48*28*40	58*26*38	58*28*40	58*32*43	70*38*52	

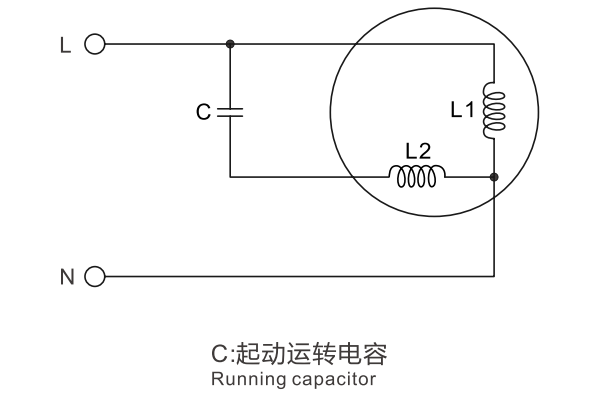
焊片系列

Soldering Lug Series

CBB61



典型线路图
Typical circuit



交流电容器

AC CAPACITOR

采用电工级聚丙烯薄膜作为介质、锌铝金属化层作为电极,优质工程塑料外壳，阻燃环氧树脂灌封，标准型快接端子引出，可实现快速连接。

- Metallised polypropylene(MPP) film capacitor;
- Epoxy filling;
- Standard terminal lead;
- Fast mounting.

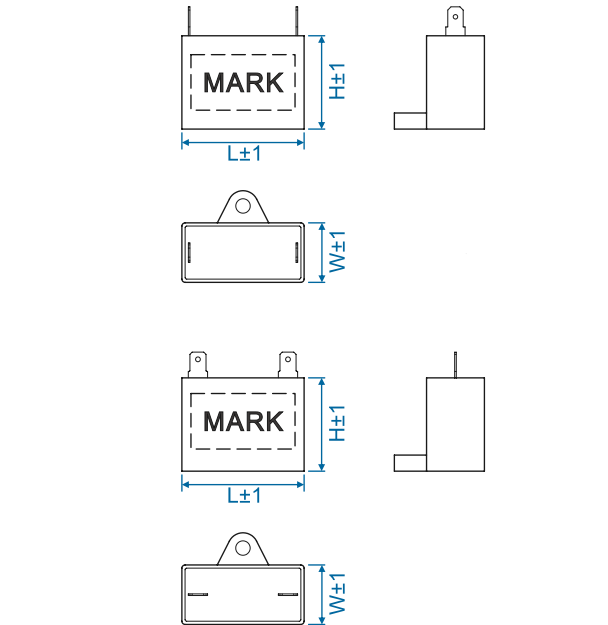
认证标志	Safety approvals	CQC、UL、CUL、VDE、TUV
执行标准	Implemented standard	GB/T3667.1、UL810、EN60252-1
环境温度	Environment temperature	-40℃~+105℃
额定电压	Rated voltage	110VAC~600VAC (50/60Hz)
容量范围	Capacitance range	0.1μF ~ 80μF
容量偏差	Capacitance tolerance	±5%(J)、±10%(K)
损耗角正切	Tangent of loss angle(20℃)	≤0.002 (100Hz)
试验电压	Testing voltage	
	极间 between terminals	2*U _N (VAC) / 60s (CQC、VDE、TUV) 1.5*U _N (VAC) / 60s (UL)
	极壳 between terminals and case	2*U _N +1000(VAC) / 60s(≥2000VAC)
防护等级	Class of safety protection	CQC、VDE、TUV:S0、S3
故障电流	Fault current	UL、CUL:10,000AFC

常用规格 Dimension								Unit : mm
Rated cap.	250VAC	300VAC	350VAC	400VAC	450VAC	500VAC	550~600 VAC	
	L*W*H	L*W*H	L*W*H	L*W*H	L*W*H	L*W*H	L*W*H	
0.40μF	—	—	—	—	31*9*17	31*9*19	32*11*21	
0.50μF	—	—	—	—	31*9*17	31*9*19	32*11*21	
0.56μF	—	—	—	31*9*17	31*9*19	32*10*19.5	32*11*21	
0.60μF	—	—	—	31*9*17	32*10*19.5	32*11*21	36*11*22	
0.80μF	—	—	31*9*19	32*10*19.5	32*11*21	36*10.5*20	36*12*22	
1.0μF	—	31*9*7	32*10*19.5	32*11*21	36*10.5*20	36*11*22	36*12*22	
1.2μF	31*9*17	32*10*19.5	32*11*21	36*11*22	36*12*22	36*12.5*24	36*15*25	
1.5μF	31*9*19	32*11*21	36*11*22	36*12*22	36*12.5*24	36*15*25	36*16*28	
1.8μF	31*10*19	36*10.5*20	36*12*22	36*12.5*24	36*15*25	36*16*28	38*18.5*29	
2.0μF	31*10*19	36*11*22	36*12.5*24	37*13.5*24	36*15*25	38*17*28	38*19.5*31	
2.2μF	32*11*21	36*11*22	36*12.5*24	37*13.5*24	36*16*28	38*18.5*29	38*19.5*31	
2.5μF	32*11*21	36*12*22	36*15*25	36*16*28	38*17*28	38*19.5*31	48*19*28	
3.0μF	36*12*22	36*12.5*24	36*16*28	38*17*28	38*19.5*31	47*17*31	47*20*31	
3.5μF	36*12*22	36*15*25	38*17*28	38*18.5*29	47*17*28	47*20*31	47*23*32	
4.0μF	36*12.5*24	38*14.5*27	38*18.5*29	38*19.5*31	48*19*28	47*20*33	47*23*35	
4.5μF	36*12.5*24	36*16*28	38*19.5*31	48*17*28	47*20*31	47*23*35	47*24*37	
5.0μF	37*13.5*24	38*17*28	48*17*28	47*17*31	47*20*31	47*23*35	47*27*37	
6.0μF	38*16*27	38*18.5*29	38*19.5*31	47*20*31	47*23*35	47*27*37	58*26*38	
6.5μF	38*16*27	38*18.5*29	47*19*31	48*22*32	47*23*35	48*28*40	58*26*38	
8.0μF	48*17*28	48*19*28	47*23*32	47*23*35	47*27*37	58*23*38	58*30*40	
10μF	47*20*31	47*20*33	47*24*37	48*28*40	58*26*38	58*30*40	70*38*52	
12μF	48*19*28	47*23*35	48*28*40	58*26*38	58*28*40	58*32*43	70*38*52	

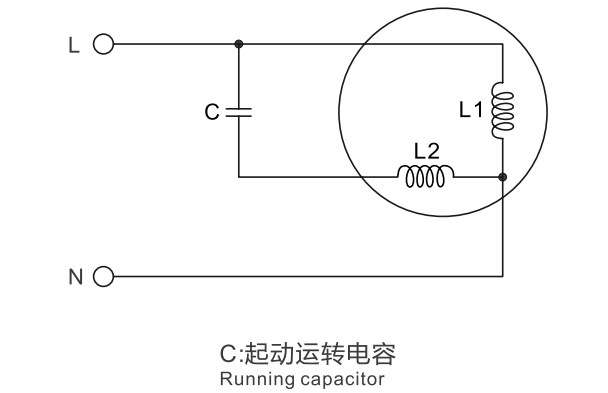
端子系列

Terminal Series

CBB61



典型线路图
Typical circuit





交流风扇电容器

AC FAN CAPACITOR

专为风扇调速器而设计，多芯组合式结构，可实现 2~4 芯模块式封装。多种个性化安装结构可选，使用方便，采用特殊制造工艺，电性能稳定。可解决传统电感式调速器成本高、噪音大的缺点。

- Metallised polypropylene(MPP) film capacitor;
- 2-4 windings module;
- Multi -structure for mounting;
- Special engineering process for stable performance;
- The solution to high price and noisy sensor regulator.

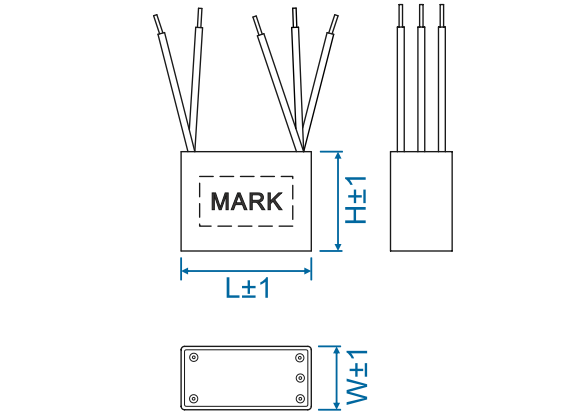
认证标志	Safety approvals	CQC、UL、CUL、VDE、TUV
执行标准	Implemented standard	GB/T3667.1、UL810、EN60252-1
环境温度	Environment temperature	-40°C~+105°C
额定电压	Rated voltage	110VAC~600VAC (50/60Hz)
容量范围	Capacitance range	0.1μF ~ 80μF
容量偏差	Capacitance tolerance	±5%(J)、±10%(K)
损耗角正切	Tangent of loss angle(20°C)	≤0.002 (100Hz)
试验电压	Testing voltage	
	极间 between terminals	2*U _N (VAC) / 60s (CQC、VDE、TUV) 1.5*U _N (VAC) / 60s (UL)
	极壳 between terminals and case	2*U _N +1000(VAC) / 60s(≥2000VAC)
防护等级	Class of safety protection	CQC、VDE、TUV:S0、S3
故障电流	Fault current	UL、CUL:10,000AFC

常用规格 Dimension Unit : mm				
Specification	250VAC	300VAC	Specification	L*W*H
	L*W*H	L*W*H		
1+2μF	33*15*25	38*15*25	300V3+250V4+4	50*20*30
1.2+1.8μF	33*15*25	38*15*25	300V3、5+250V4+5	50*23*29
1.5+2.5μF	38*15*25	38*16*27	300V3、5+250V5+6	50*23*29
1.75+3.5μF	38*16*27	38*18、5*29	300V3、75+250V4+5	50*23*29
2+2μF	38*15*25	38*18、5*25	300V3、75+250V5+5	50*23*29
2+2.2μF	38*15*25	38*18、5*25	300V3、5+250V3、5+4	50*20*30
2+3μF	38*15*25	38*18、5*25	300V4+250V4+2、5	50*20*30
2+3.5μF	38*16*25	38*18、5*29	300V4+250V3、5+4、5	50*23*29
2+4μF	38*18、5*25	38*21*28	300V4+250V4+5	50*23*29
2.5+2.5μF	38*15*25	38*25*20	300V4+250V5+5	50*23*29
2.5+5μF	39*19、5*27	38*24*28	300V4+250V5+6	50*23*32、5
3+0.6μF	38*18、5*25	38*18、5*25	300V4+250V6+5	50*23*32、5
3+1.5μF	38*15*25	38*18、5*25	300V4+250V6+6	50*23*32、5
3+5.5μF	38*21*28	38*25*29	300V4、5+250V4+5	50*23*32、5
4+2μF	38*15*25	38*21*28	300V4、5+250V5+5	50*23*32、5
4+4.5μF	38*18、5*29	38*25*29	300V4、5+250V4+8	50*23*32、5
4.5+2μF	38*15*25	38*21*28	300V4、5+250V6+5	50*23*32、5
5+5μF	38*23*26	50*20*30	300V4、5+250V6+6	50*23*32、5
1.9+ (0.5μF x 3)	38*30*21	38*30*21	300V5+250V5+5	50*24*30
1.9+ (0.7μF x 3)	38*30*21	38*32*23	550V1、2+450V1、5+2	50*23*29
2.2+ (1.2μF x 3)	38*30*21	39*32*23	550V1、5+450V1、5+2	50*23*34
2.4+ (0.9μF x 3)	38*30*21	38*32*23	550V1、5+450V2+2、5	50*24*37
2.5+ (1.2μF x 3)	38*30*21	38*32*23	550V2+450V2+4	47*35*35
2.8+ (1μF x 3)	38*30*21	38*32*23	550V2、2+450V3+3、5	58*26*38
3+ (1μF x 3)	38*30*21	38*32*23	550V2、5+450V3+3	58*26*38
3+ (1.2μF x 3)	38*30*21	38*32*23		
3.2+ (1μF x 3)	38*30*21	38*32*23		
3.2+ (1.2μF x 3)	38*30*21	38*32*23		
3.5+ (1.2μF x 3)	38*30*21	38*32*23		
3.5+ (1.5μF x 3)	38*32*23	38*32*23		

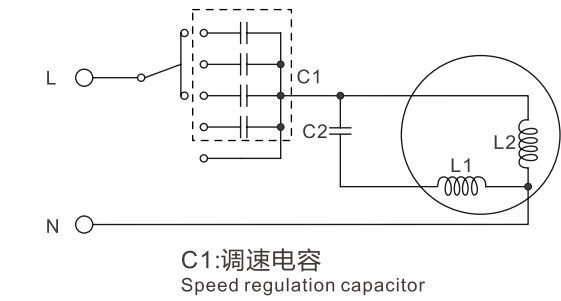
调速系列

Speed Regulation Series

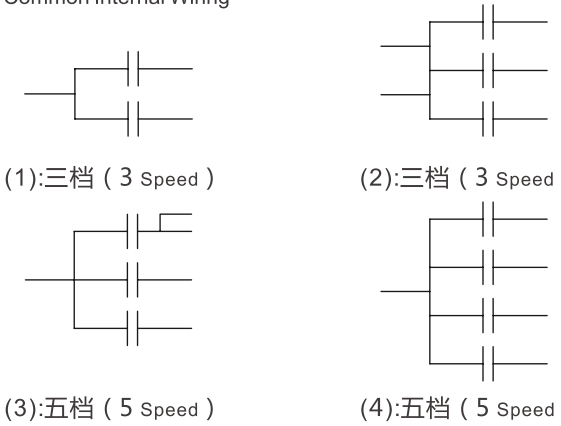
CBB61



典型线路图
Typical circuit

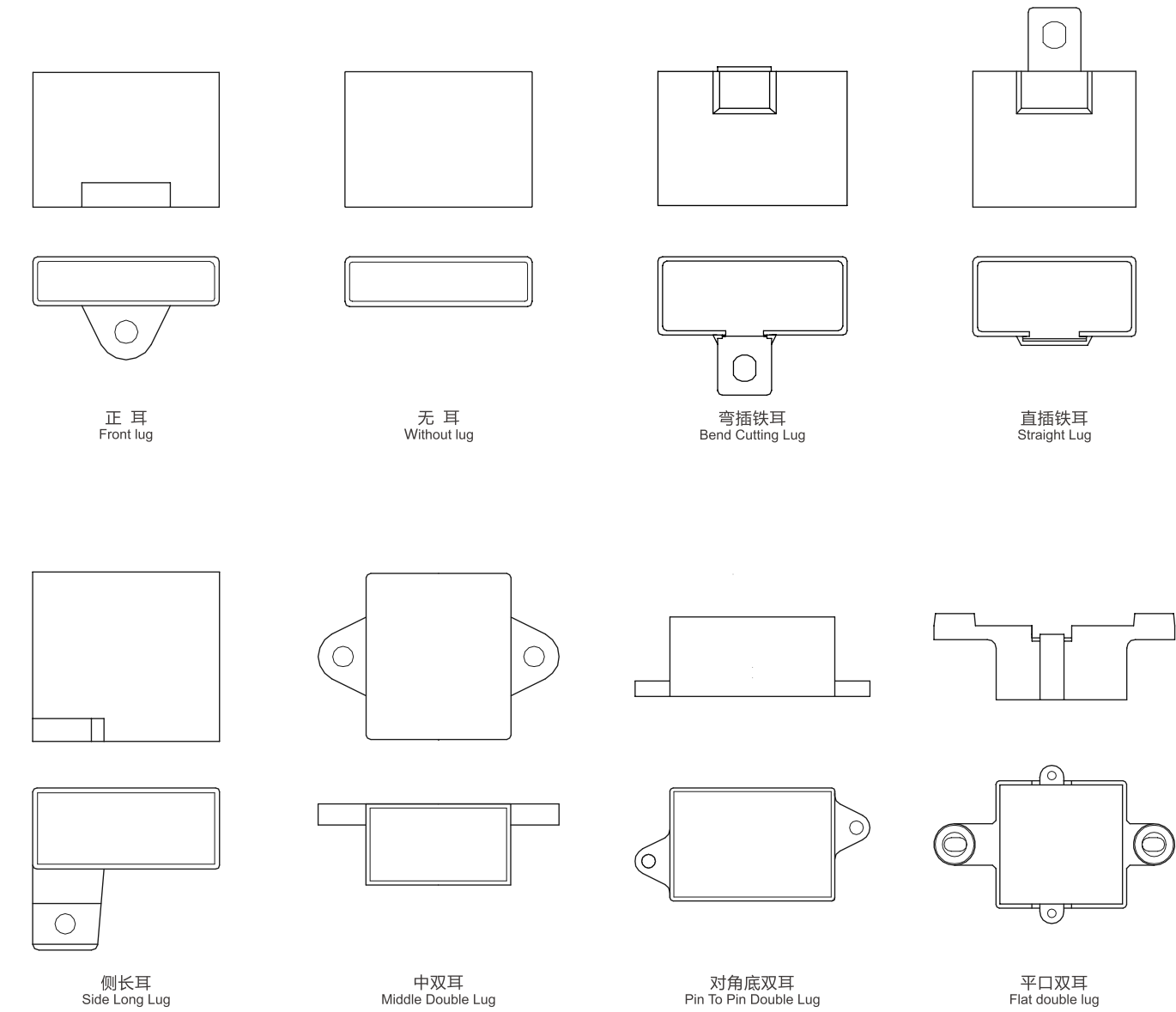


常用内部接线图
Common Internal Wiring



交流电容器常用安装方式

NORMAL MOUNTING WAYS OF AC CAPACITOR



交流电容器其它引出及安装方式，可按用户要求设计。
For special specifications and terminals, we can design as to customer's requirement.

交流电容器塑胶耳安装说明

塑胶耳因其本身材质原因，如安装方式不当易出现断耳的现象，用户在生产安装时注意风批、螺钉、孔位保持在直线状态，风批对胶耳的冲击力以螺钉头陷入孔位不超过0.3mm为宜。

Plastic lug installation instruction

As to the character of the plastic lug, the lug can be disconnected by improper installation ways. The user should be careful and keep the URYU, screw and hole in the straight line. The URYU impulse to the lug should be judged by the screw head depth in the hole, less than 0.3mm is ok.

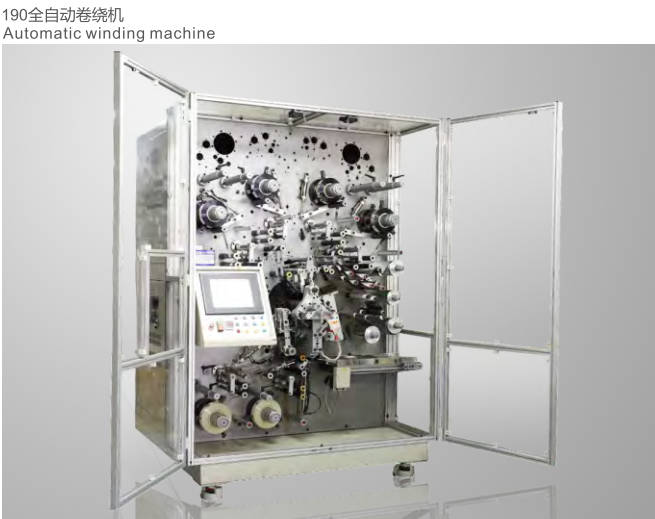


60/65电容器系列

60/65 CAPACITOR SERIES

主要产品有电动机启动、运行电容，灯具功率因数补偿电容，在水泵、电冰箱、洗衣机、灯具、工程照明、碎纸机、空压机、管机中广泛应用。

Mainly produce Motor Capacitor for starting & running, lighting Capacitor for power factor compensate, It's widely used for Water Pump, Refrigerator, Washing Machine, Lighting, Engineer Lighting, Smash Paper Machine, Air Compressor, Tubular Motor.





CBB60型电容器系列

CBB60 CAPACITOR SERIES

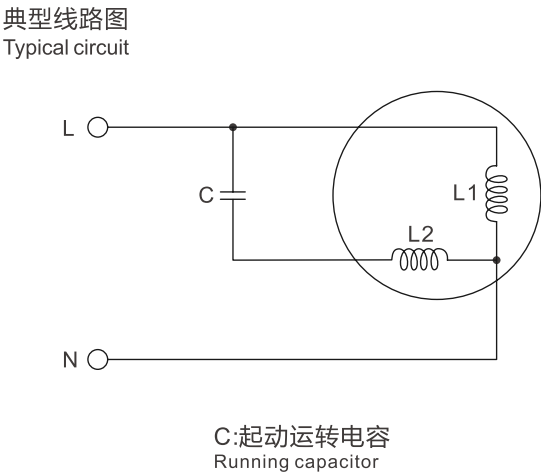
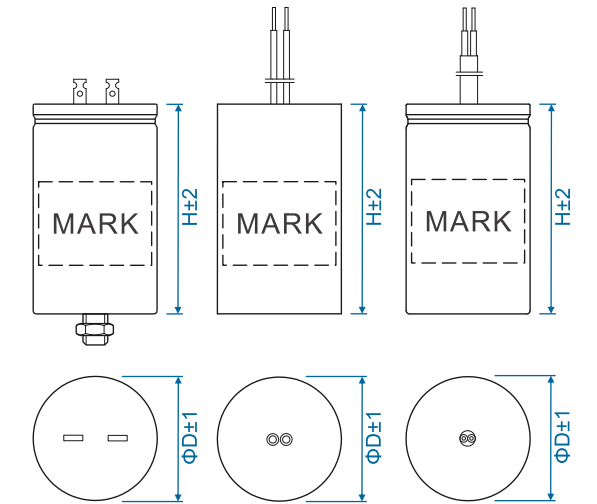
选用优质电工级聚丙烯薄膜作介质、复合型高纯度金属为电极，干式结构设计，阻燃塑壳或金属铝壳、环氧树脂密封，安全等级S3或S0可选。该系列产品具有高性价比、高耐压强度、长寿命等特点，主要适用于水泵、洗衣机、碎纸机、管机等交流电动机的启动和运行。

- Metallised polypropylene(MPP) film capacitor;
- Dry structure;
- Flame retardant plastic or aluminum can;
- Epoxy filling;
- S3 or S0 class;
- Long life;
- Better price/performance ratio;

Application: AC motor start or motor running for water pump, washing machine, paper smashing machine etc.

认证标志 Safety approvals	CQC、UL、CUL、VDE、TUV
执行标准 Implemented standard	GB/T3667.1、UL810、EN60252-1
气候类别 Climatic category	25/70/21、25/85/21、40/70/21、40/85/21
额定电压 Rated voltage	150VAC ~ 600VAC (50/60Hz)
容量范围 Capacitance range	1μF ~ 100μF
容量偏差 Capacitance tolerance	±5%(J)、±10%(K)
试验电压 Testing voltage	
极间 between terminals	2*U _N (VAC) / 60s(CQC、VDE、TUV) 1.5*U _N (VAC)/60s (UL)
极壳 between terminals and case	2*U _N +1000(VAC) / 60s(≥2000VAC)
损耗角正切 Tangent of loss angle(20℃)	≤0.002 (100Hz)
防护等级 Class of safety protection	CQC、VDE、TUV： S0、S3
故障电流 Fault current	UL、CUL： 10、000AFC

常用规格 Dimension								Unit : mm	
Rated cap.	250/300VAC		400VAC		450VAC		500VAC		
	ΦD	H	ΦD	H	ΦD	H	ΦD	H	
1μF	—	—	—	—	26	40	26	40	
2μF	—	—	—	—	26	40	26	40	
3μF	—	—	—	—	30	50	30	50	
4μF	—	—	—	—	30	50	30	55	
5μF	26	40	30	50	30	55	35	55	
6μF	26	52	30	55	30	55	35	55	
8μF	30	50	30	55	35	55	35	65	
10μF	30	55	35	55	35	65	40	65	
12μF	35	55	35	65	40	65	40	65	
15μF	35	55	35	65	40	65	40	72.5	
18μF	35	55	40	65	44	65	44	75	
20μF	36	65	40	65	44	65	45	75	
25μF	40	65	44	65	44	75	50	75	
30μF	40	65	44	75	50	75	50	85	
35μF	44	65	45	75	50	85	50	95	
40μF	44	65	50	75	50	90	50	105	
45μF	44	75	50	75	50	95	—	—	
50μF	—	—	85	50	105	50	—	—	



CBB65型电容器系列

CBB65 CAPACITOR SERIES

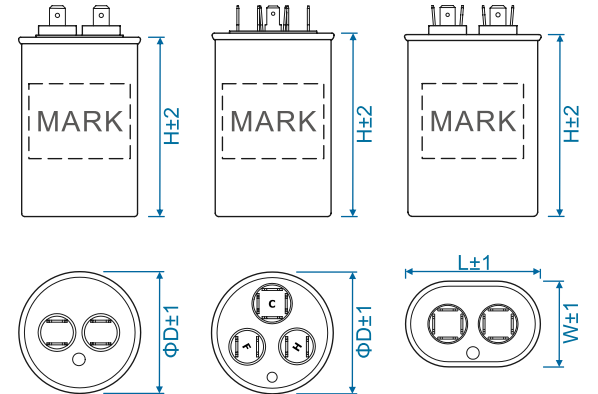
选用优质电工级聚丙烯薄膜作介质、加厚复合型金属化为电极，金属壳体，真空注油，250#快接端子引出，S₂级压力式防爆结构。该系列产品具有散热快、抗腐蚀、安全可靠等特点，主要适用于安全要求高的交流电动机起动、运行及储能、滤波等场合。

- Metallised polypropylene(MPP) film capacitor;
- Vacuum impregnated oil;
- Aluminum can;
- 250# fast-assembly terminal;
- S2 class mechanical anti-rapture structure;
- Fast heat-dissipation, anti-corrosion and safe;

Application: AC motor start or motor running / Energy storage / AC Filter.

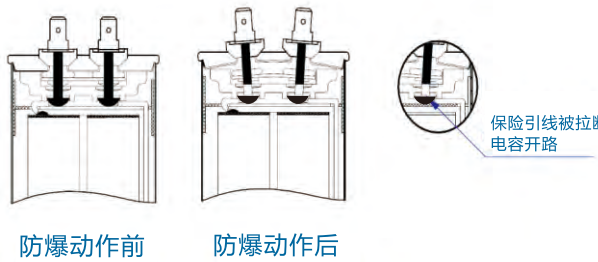


认证标志 Safety approvals	CQC、UL、CUL、TUV、VDE
引用标准 Implemented standard	GB/T3667.1、UL810、EN60252-1
气候类别 Climatic category	25/70/21、25/85/21、40/70/21、40/85/21
额定电压 Rated voltage	150VAC ~ 600VAC (50/60Hz)
容量范围 Capacitance range	2μF ~ 100μF
容量偏差 Capacitance tolerance	±5%(J)、±10%(K)
试验电压 Testing voltage	
极间 between terminals	2*U _N (VAC) / 60s(CQC、VDE、TUV) 1.5*U _N (VAC)/60s (UL)
极壳 between terminals and case	2*U _N +1000(VAC) / 60s(≥2000VAC)
损耗角正切 Tangent of loss angle(20℃)	≤0.002 (100Hz)
防护等级 Class of safety protection	CQC、VDE、TUV、S2
故障电流 Fault current	UL、CUL： 10、 000AFC



常用规格 Dimension						Unit : mm
Rated cap.	250/300VAC			400/450VAC		
	Cylindrial		Oval	Cylindrial		Oval
	ΦD	H	L*W*H	ΦD	H	L*W*H
10μF	40	55	51.5*31.5*65	40	65	51.5*31.5*65
15μF	40	55	51.5*31.5*65	—	—	—
20μF	40	65	51.5*31.5*75	40	75	51.5*31.5*75
25μF	40	65	51.5*31.5*75	45	85	51.5*31.5*85
30μF	—	—	—	45	95	71.5*45*75
32μF	40	75	71.5*45*65	—	—	—
35μF	—	—	—	50	95	71.5*45*85
40μF	45	75	71.5*45*75	—	—	—
50μF	45	85	71.5*45*85	50	115	71.5*45*100
60μF	45	95	71.5*45*100	—	—	—

压力式防爆原理
Pressure explosion-proof theory



灯具电容器系列

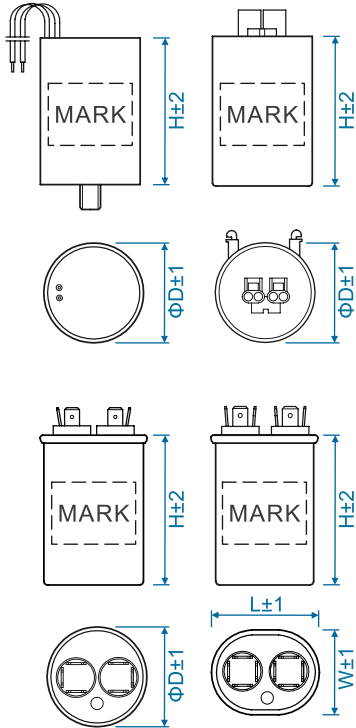
Light Capacitors Series

选用耐高温型聚丙烯薄膜作介质、加厚复合型金属化为电极，特殊喷金工艺制作，耐温阻燃塑壳或金属铝壳封装，自带放电功能，安全防护S₂或S₀级。该系列产品具有耐高温、阻燃性能强等特点，主要适用于各种家照、商照、工程灯具启动触发及功率因素补偿电路。

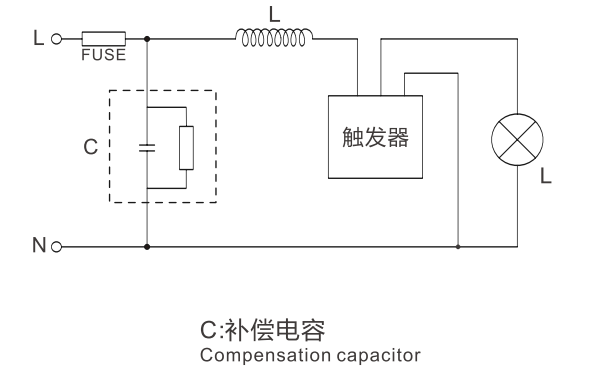
- High Temperature Metallised polypropylene(MPP) film capacitor;
- special metal-spraying process;
- Heat resistant and flame retardant plastic can or aluminum can;
- Self-discharge;
- S2 or S0 class;
- Withstand high temperature, flame retardant;

Application: The power factor compensation (PFC) circuit for household lighting, commercial lighting and engineering lighting.

引用标准 Implemented standard	GB/T18504、EN61048/61049、UL810
气候类别 Climatic category	25/85/21、40/85/21、MAX .TEMP +105℃
额定电压 Rated voltage	150VAC ~ 630VAC (50/60Hz)
容量范围 Capacitance range	3μF ~ 60μF
容量偏差 Capacitance tolerance	±5%(J)、±10%(K)
试验电压 Testing voltage	
极间 between terminals	2*U _N (VAC) / 60s(GB) 1.5*U _N (VAC)/60s (UL)
极壳 between terminals and case	2*U _N +1000(VAC) / 60s(≥2000VAC)
损耗角正切 Tangent of loss angle(20℃)	≤0.002 (100Hz)
防护等级 Class of safety protection	S0、S2
故障电流 Fault current	10,000AFC (UL810)
放电性能 Discharge performance	
√2 U _N 下断开后 60S 剩余电压 < 50V	
√2 U _N disconnected under the residual voltage less than 50V 60s	
稳态过电压 Steady-state over-voltage	
允许1.1 U _N 下长期运行 Allowed under the long-running 1.1 U _N	
稳态过电流 Steady-state over-current	
允许1.3 I _N 下长期运行 1. 3 I _N the next permit long-term operation	



典型线路图
Typical circuit



常用规格 Dimension										Unit : mm
Rated cap.	250/330VAC			400/450VAC			525/540VAC			
	Cylindrial		Oval	Cylindrial		Oval	Cylindrial		Oval	
	ΦD	H	L*W*H	ΦD	H	L*W*H	ΦD	H	L*W*H	
8μF	35	60	51.5*31.5*65	40	65	51.5*31.5*65	40	65	—	
10μF	35	60	51.5*31.5*65	40	65	51.5*31.5*65	40	65	—	
12μF	35	60	51.5*31.5*75	40	65	51.5*31.5*75	40	65	—	
16μF	40	70	51.5*31.5*75	45	75	—	40	75	—	
18μF	40	70	51.5*31.5*85	45	85	71.5*45*75	40	75	—	
20μF	40	70	51.5*31.5*85	45	85	—	—	—	—	
24μF	40	80	51.5*31.5*85	50	85	—	50	105	71.5*45*105	
25μF	40	80	71.5*45*75	50	85	51.5*31.5*75	—	—	—	
26μF	45	80	71.5*45*75	50	85	—	55	105	71.5*45*110	
32μF	45	80	71.5*45*75	50	105	71.5*45*105	55	120	71.5*45*130	
36μF	45	95	71.5*45*75	55	105	71.5*45*120	—	—	—	
55μF	50	95	71.5*45*100	—	—	—	—	—	—	



片式电容器事业部

TERMINAL TYPE CAPACITOR DEPT

主要生产空调交流电动机用启动、运行电容，包括插片电容、插针电容、安全膜防爆电容、静音型电容。在空调窗机、分体机、柜机、变频机及大型商用空调等设备中广泛应用。

Mainly produce the capacitor with steel lug, capacitor with tinned copper wire, P2 rupture-proof capacitor, noise-resistant capacitor which is used for Air Conditioner Motor's starting & running. It's widely used for Window Air Conditioner, Fission Air Conditioner, Cabinet Air Conditioner, Frequency Conversion Air Conditioner and large Commercial Air Conditioner, etc. Equipment.



转盘式喷金机
Rotary metal spraying machine



卷绕机
Automatic winding machine



真空注环氧机
Vacuum impregnating epoxy machine





片式电容器

TERMINAL TYPE CAPACITOR

采用电工级聚丙烯薄膜介质、加厚型金属化电极，94V0级阻燃塑壳、环氧树脂密封，标准型快接端子引出，具有自愈性好、电气性能稳定等特点。

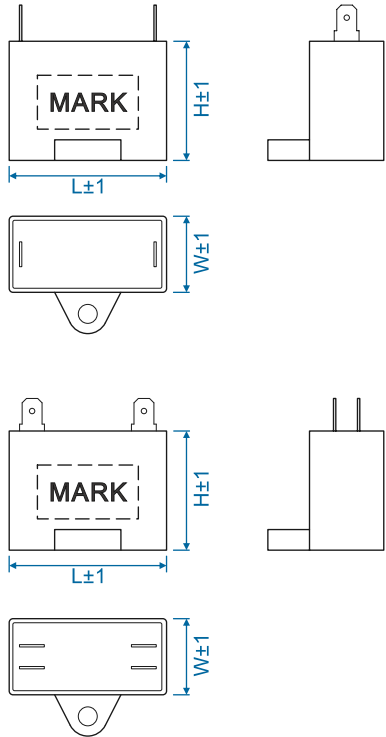
- Metallised polypropylene(MPP) film capacitor and thickened electrode;
- 94V0 retardant plastic box and epoxy filling;
- Standard terminal lead;
- Better self healing, more stable electrical performance.

认证标志 Safety approvals	CQC、UL、VDE	
执行标准 Implemented standard	GB/T3667、UL810、EN60252	
气候类别 Climatic category	25/70/21、25/85/21、40/70/21、40/85/21	
额定电压 Rated voltage	250VAC、450VAC、500VAC (50/60Hz)	
容量范围 Capacitance range	1µF ~ 15µF	
容量偏差 Capacitance tolerance	±5%(J)、±10%(K)、 ^{+10%} _{-5%} (U)	
试验电压 Testing voltage		
极间 between terminals	2*U _N (VAC) / 60s	
极壳 between terminals and case	2*U _N +1000(VAC) / 60s(≥2000VAC)	
绝缘电阻 Insulation resistance(20℃)		
极壳 between terminals and case	≥2000MΩ	(500VDC,60s)
损耗角正切 Tangent of loss angle(20℃)	≤0.002	(100Hz)

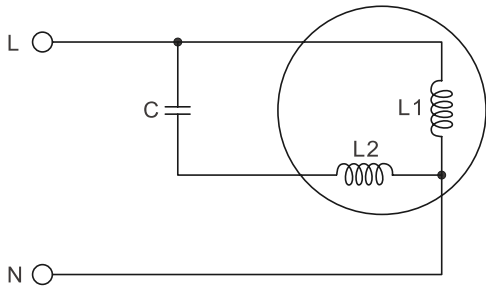
常用规格 Dimension									Unit : mm
Rated cap.	250VAC			450VAC			500VAC		
	L	W	H	L	W	H	L	W	H
1.0µF	—	—	—	37	11	22	37	12.5	24
1.5µF	—	—	—	37	13.5	24	37	15.5	26
2.0µF	—	—	—	37	15.5	26	37	17	28
2.5µF	32	11	22	37	17	28	37	19.5	31
3.0µF	32	12	22	47	17	27	47	19	29
3.5µF	37	12	22	47	18	27	47	20.5	31.5
4.0µF	37	12.5	24	47	19	29	47	21	32
5.0µF	37	13.5	24	47	21	32	47	23	35
6.0µF	37	15	26	47	22	34	47	26.5	38
6.5µF	37	15	27	47	23	35	47	27	37
8.0µF	37	18.5	29	57	24	33	57	28	40
9.0µF	37	19.5	31	57	26	38	57	28	40
10.0µF	37	20	30	57	26	38	57	30	42

插片系列
Insert Series

CBB61



典型线路图
Typical circuit



C:启动运转电容
Running capacitor



空调电容器

AIR CONDITIONING CAPACITOR

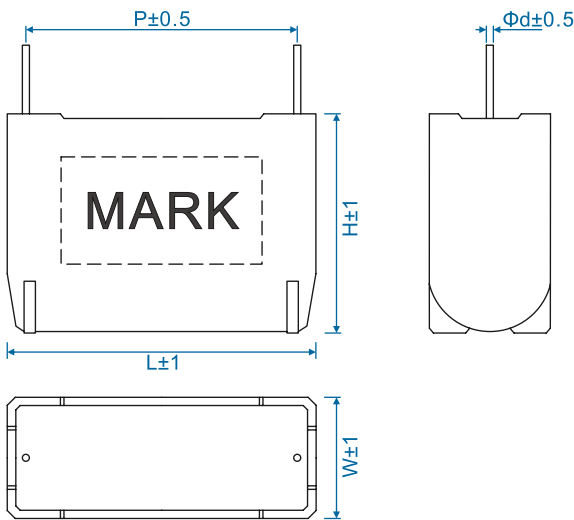
采用电工级聚丙烯薄膜介质、加厚型金属化电极，94V0级阻燃塑壳、环氧树脂密封，镀锡铜线引出。实现全自动化生产，具有一致性好，性能稳定性高等特点。

- Metallised polypropylene(MPP) film capacitor and thickened electrode;
- 94V0 retardant plastic box and epoxy filling;
- Tinned copper lead;
- 100% automatic production to ensure more stable quality.

插针系列

Pin Series

CBB61



认证标志	Safety approvals	CQC、UL、VDE
执行标准	Implemented standard	GB/T3667、UL810、EN60252
气候类别	Climatic category	25/70/21、25/85/21、40/70/21、40/85/21
额定电压	Rated voltage	450VAC (50/60Hz)
容量范围	Capacitance range	1μF ~ 3.5μF
容量偏差	Capacitance tolerance	±5%(J)、±10%(K)、 $\pm 10\%$ (U)
试验电压	Testing voltage	
	极间 between terminals	2*U _N (VAC) / 60s
	极壳 between terminals and case	2*U _N +1000(VAC) / 60s(≥2000VAC)
绝缘电阻	Insulation resistance(20℃)	
	极壳 between terminals and case	≥2000MΩ (500VDC,60s)
损耗角正切	Tangent of loss angle(20℃)	≤0.002 (100Hz)



片式电容器

TERMINAL TYPE CAPACITOR

专为空调一线品牌而精心设计、制造的静音型电容。采用耐温型聚丙烯薄膜介质、高方阻金属化电极、94V0级阻燃塑壳和环氧树脂封装，采取特殊的静音处理工艺，全方位增强型圆弧过渡底耳，开口式椭圆形可调节安装孔，使产品具有低噪音，长寿命，安装定位高效轻松的特点。

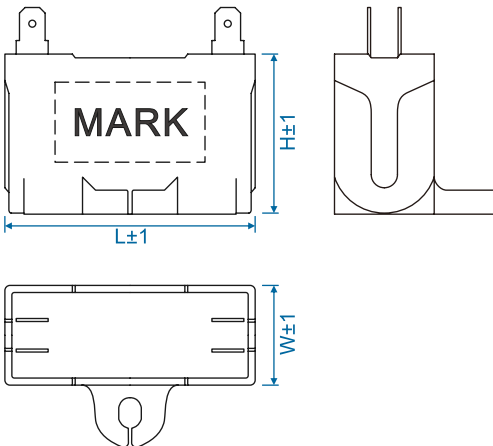
- Metallised polypropylene(MPP) film capacitor and high resistance electrode;
- 94V0 retardant plastic box and epoxy filling;
- Special noise-suppression engineering process;
- Open oval lug for more efficient mounting;
- Low noise, long life.

认证标志	Safety approvals	CQC、UL、VDE
执行标准	Implemented standard	GB/T3667、UL810、EN60252
气候类别	Climatic category	25/70/21、25/85/21、40/70/21、40/85/21
额定电压	Rated voltage	450VAC (50/60Hz)
容量范围	Capacitance range	1μF ~ 10μF
容量偏差	Capacitance tolerance	±5%(J)、±10%(K)、 $\pm 10\%$ (U)
试验电压	Testing voltage	
	极间 between terminals	2*U _N (VAC) / 60s
	极壳 between terminals and case	2*U _N +1000(VAC) / 60s(≥2000VAC)
绝缘电阻	Insulation resistance(20℃)	
	极壳 between terminals and case	≥2000MΩ (500VDC,60s)
损耗角正切	Tangent of loss angle(20℃)	≤0.002 (100Hz)

静音系列

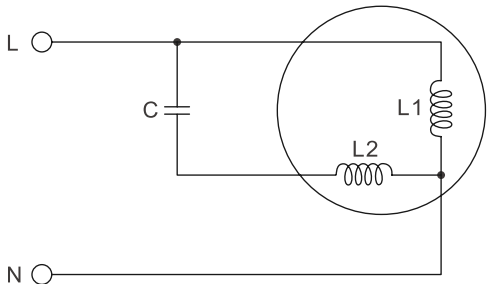
Noise-resistant Series

CBB61



常用规格 Dimension						Unit : mm
Rated cap.	450VAC					
	L	W	H	P	Φd	
1.0μF	36	10.5	20	32	0.8/1.0	
1.2μF	36	11	22	32	0.8/1.0	
1.5μF	36	12.5	23	32	0.8/1.0	
2.0μF	36	14.5	25.5	32	0.8/1.0	
2.5μF	36	17	26	32	0.8/1.0	
3.0μF	36	17.5	29	32	0.8/1.0	
3.5μF	36	19.5	32	32	0.8/1.0	

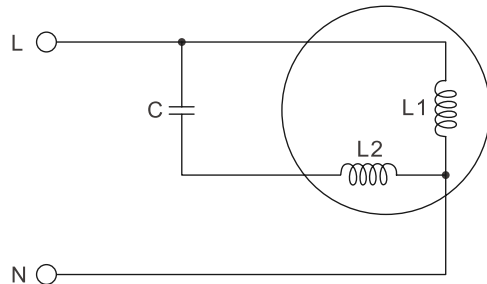
典型线路图
Typical circuit



C:启动运转电容
Running capacitor

常用规格 Dimension				Unit : mm
Rated cap.	450VAC			
	L	W	H	
1.0μF	37	11	22	
1.5μF	37	13.5	24	
2.0μF	37	15.5	27	
2.5μF	37	18.5	29	
3.0μF	47	17	27	
3.5μF	47	18	27	
4.0μF	47	19	30	
4.5μF	47	21	32	
5.0μF	47	22	33	
6.0μF	47	23	35	
8.0μF	57	24	33	
10.0μF	57	26	38	

典型线路图
Typical circuit



C:启动运转电容
Running capacitor



片式电容器

TERMINAL TYPE CAPACITOR

采用电工级聚丙烯薄膜介质、安全型金属化电极，94V0级 阻燃塑壳、环氧树脂密封，标准型引出端。运用特殊制造工艺，具有电气性能稳定，安全防爆等特点。防爆等级为P2级，应用于空调高端机型。

- Metallised polypropylene(MPP) film capacitor and thickened electrode;
- 94V0 retardant plastic box and epoxy filling;
- Standard terminal lead;
- P2 safety class film and special engineering process;
- Designed for high-end air conditioner.

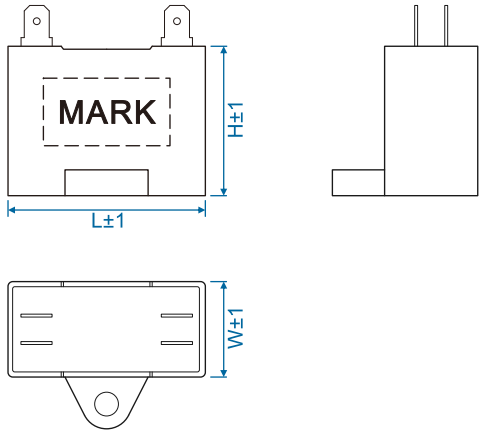
认证标志 Safety approvals	CQC、UL、TUV
执行标准 Implemented standard	GB/T3667、UL810、EN60252
气候类别 Climatic category	25/70/21、25/85/21、40/70/21、40/85/21
额定电压 Rated voltage	250VAC、450VAC (50/60Hz)
容量范围 Capacitance range	1μF ~ 8μF
容量偏差 Capacitance tolerance	±5%(J)、±10%(K)、 ^{+10%} _{- 5%} (U)
试验电压 Testing voltage	
极间 between terminals	2*U _N (VAC) / 60s
极壳 between terminals and case	2*U _N +1000(VAC) / 60s(≥2000VAC)
绝缘电阻 Insulation resistance(20°C)	
极壳 between terminals and case	≥2000MΩ (500VDC,60s)
损耗角正切 Tangent of loss angle(20°C)	≤0.002 (100Hz)
防护等级 Class of safety protection	S3(P2)
故障电流 Fault current	10,000AFC (UL810)

常用规格 Dimension				Unit : mm		
Rated cap.	250VAC			450VAC		
	L	W	H	L	W	H
1.0μF	—	—	—	37	11	22
1.5μF	—	—	—	37	13.5	24
2.0μF	—	—	—	37	17	28
3.0μF	—	—	—	47	17	28
3.5μF	—	—	—	47	19	29
4.0μF	37	13.5	24	47	19	31
5.0μF	37	15	25	47	22	34
6.0μF	37	15.5	26	47	23	35
8.0μF	37	18.5	29	47	28	40

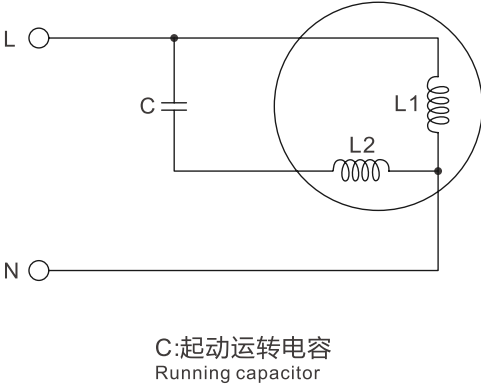
安全防爆系列

Safety Explosion Protection Series

CBB61-S3(P2)



典型线路图
Typical circuit

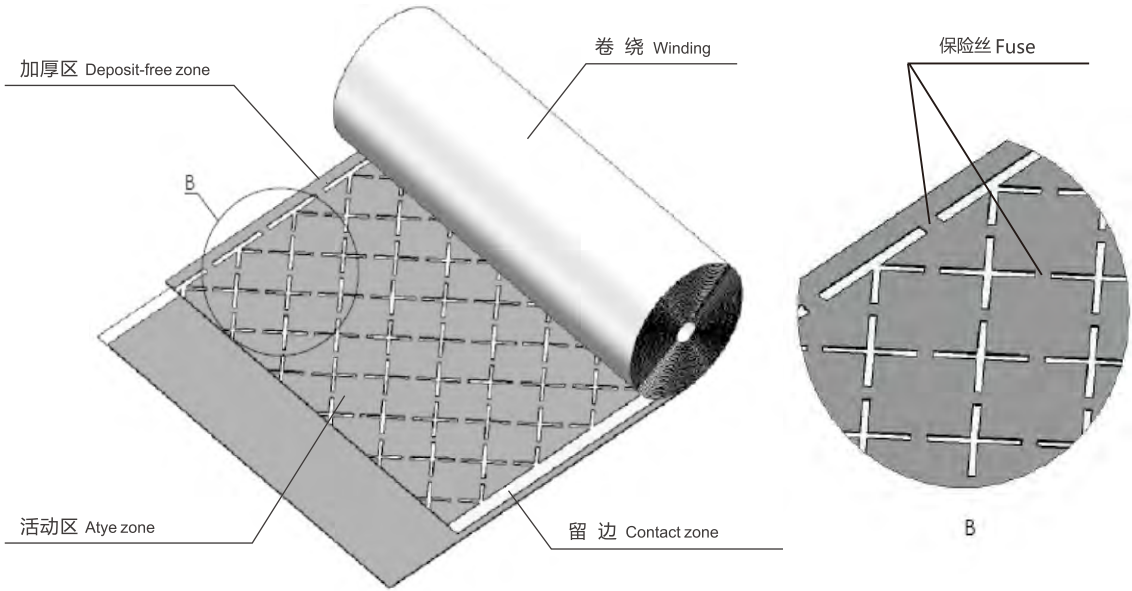


安全膜类电容防爆原理

THE EXPLOSION PROTECTION THEORY OF SEGMENTED FILM CAPACITORS

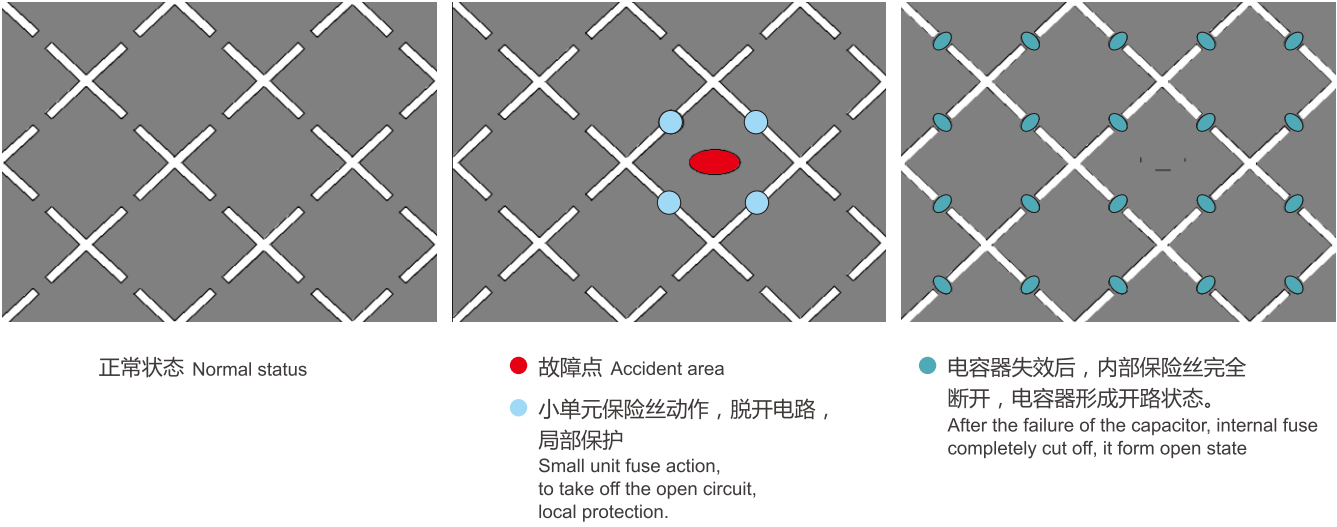
金属化电极采用微保险丝网状结构（如图），在电容运行发生故障时，通过微保险丝断开，自动切断电源，从而防止故障扩大，达到自我安全保护目的。

The metallization electrode adopting micro fuse mesh structure (pictured), and in the capacitance operation is at fault, through the micro fuse disconnect, which cut off power supply, prevent fault expand to self protection safety purposes.



安全膜不同状态

Different status of the segmented films



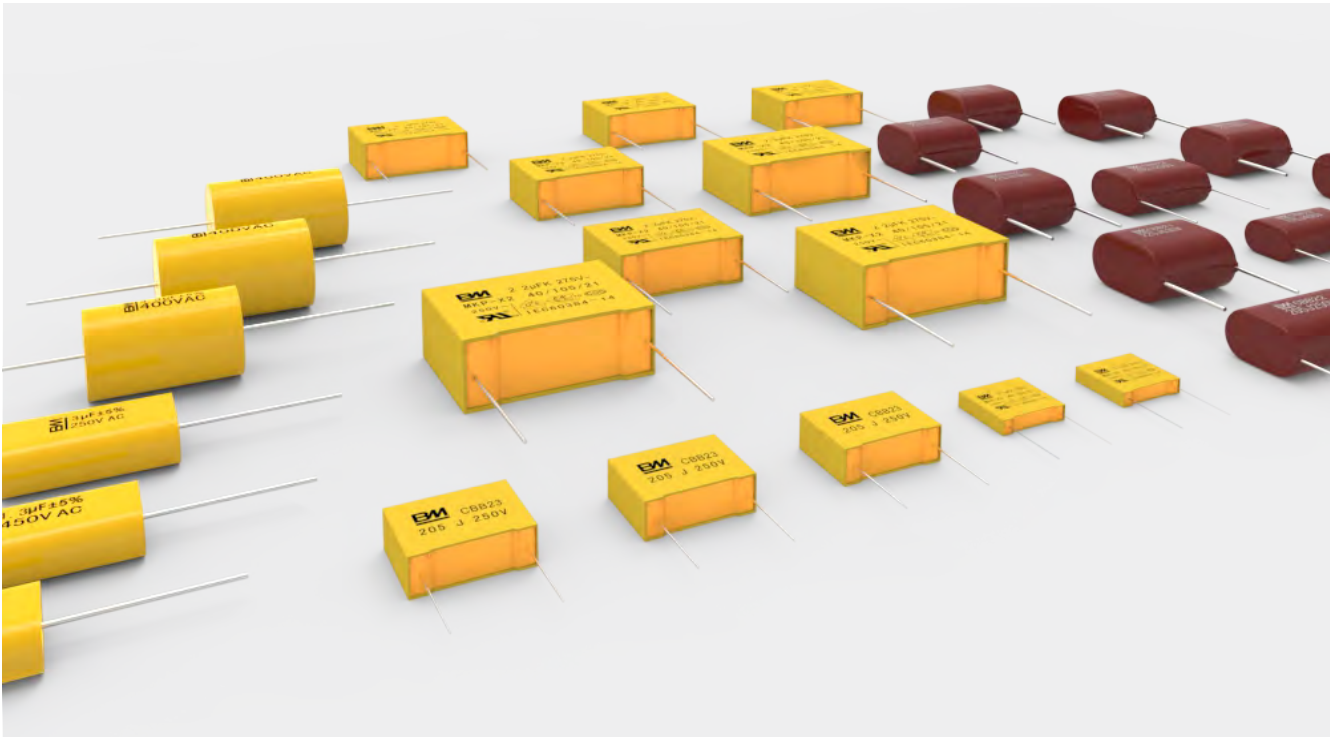


安规电容器事业部

X2 CAPACITOR DEPARTMENT

主要生产X2抑制电源电磁干扰用固定电容器、盒装化CBB23型金属化聚丙烯膜电容器。在家用电器、电表、电子整流器、开关电源、电动工具等设备的干扰抑制、电火花抑制、阻容降压电路中广泛应用。

Mainly produce X2 type capacitor with safety approvals for Interference Suppression and box CBB23 type metalized polypropylene film capacitors. It is widely used in home appliance, energy meter, electronic ballast, switch model power supply, electrical tool and many other appliance for the purpose of Interference suppression, spark killer and capacitive divider.



安规电容专用安全性能综合试验仪
An integrated test of safety properties for interference suppression capacitor



激光打标机
Laser marking machine



全自动组立线
Automatic assembly line



自动分选测试机
Automatic testing and sorting machine





抑制电源电磁干扰用安规电容器

EMI CAPACITOR (INTERFERENCE SUPPRESSION)

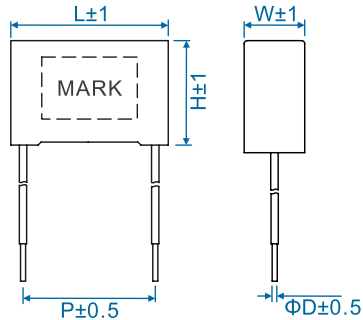
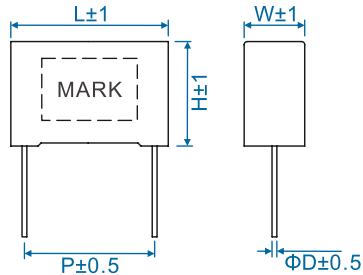
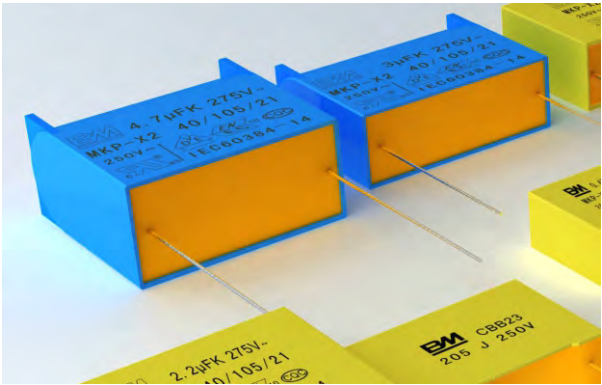
MKP-X2

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

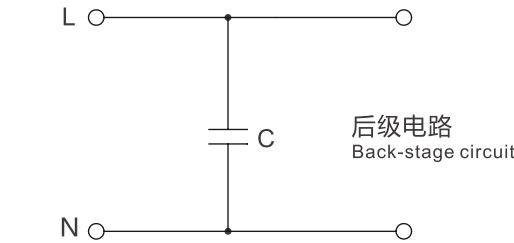
- Standard X2 capacitor;
 - Safety certificates available, UL, VDE, CQC, KC, ENEC etc;
 - Capacitance up to 10uF;
 - Metallised polypropylene(MPP) film capacitor;
 - 94V0 retardant PBT case;
 - Epoxy filling;
 - CP wire lead;
 - Specially designed for capacitive divider;
- Application: EMI (Interference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

认证标志	Safety approvals	CQC、UL&CUL、VDE&ENEC、KC
执行标准	Implemented standard	GB/T14472-1998,UL60384-14,IEC60384-14
气候类别	Climatic category	40/105/21/C(VDE,ENEC,CQC) 40/110/56/B(UL&CUL)
认证类别	Subclass	X2
额定电压	Rated voltage	250 / 275 / 310VAC (50/60Hz)
容量范围	Capacitance range	0.01μF ~ 10μF
容量偏差	Capacitance tolerance	±5%(J)、±10%(K)、±20%(M)
耐 电 压	Voltage proof	
	极间 between terminals	4.3*U _R (VDC) / 10s
	极壳 between terminals and case	2*U _R +1500(VAC) / 60s
绝缘电阻	Insulation resistance(20℃)	
	极间 between terminals	≥15000MΩ, C _R ≤0.33μF (100Vdc,60s) ≥5000S, C _R >0.33μF (100Vdc,60s)
	极壳 between terminals and case	≥30000MΩ (100Vdc,60s)
损耗角正切	Tangent of loss angle(20℃)	
	0.01μF≤C _R ≤0.47μF	≤0.002(10KHz)
	0.47μF<C _R ≤1μF	≤0.001(1KHz); ≤0.007(10KHz)
	C _R >1μF	≤0.002(1KHz)
电压爬升率	Pulse rise time(dv/dt)	100V/μs Max

常用规格 Dimension						Unit : mm
Rated Cap.	L	W	H	P	ΦD	
0.010μF	13.0	5.0	11.0	10.0	0.6	
0.022μF	13.0	5.0	11.0	10.0	0.6	
0.033μF	13.0	5.0	11.0	10.0	0.6	
0.047μF	13.0	5.0	11.0	10.0	0.6	
0.10μF	13.0	6.0	12.0	10.0	0.6	
0.047μF	18.0	5.0	11.0	15.0	0.8	
0.10μF	18.0	6.0	12.0	15.0	0.8	
0.22μF	18.0	7.5	13.5	15.0	0.8	
0.33μF	18.0	8.5	14.5	15.0	0.8	
0.47μF	18.0	10.0	18.0	15.0	0.8	
0.47μF	26.3	8.5	17.0	22.5	0.8	
0.68μF	26.3	10.0	19.0	22.5	0.8	
1.0μF	26.3	11.0	20.0	22.5	0.8	
1.0μF	31.0	9.0	18.0	27.5	0.8	
1.2μF	31.5	10.8	19.5	27.5	0.8	
2.2μF	31.5	15.0	30.0	27.5	0.8	
3.3μF	31.5	18.0	33.0	27.5	0.8	
4.7μF	41.0	18.0	33.5	37.5	1.0	
6.8μF	41.0	22.0	37.0	37.5	1.0	
10.0μF	41.0	28.0	43.0	37.5	1.0	



典型线路图
Typical circuit



C:抗电磁干扰电容
Interference suppression capacitor



阻容降压专用交流安规电容器

SAFETY APPROVAL CAPACITOR FOR CAPACITIVE DIVIDER

MKP-X2

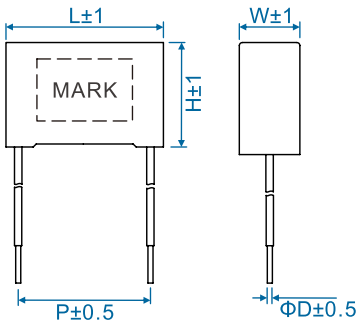
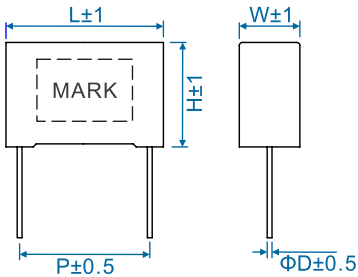
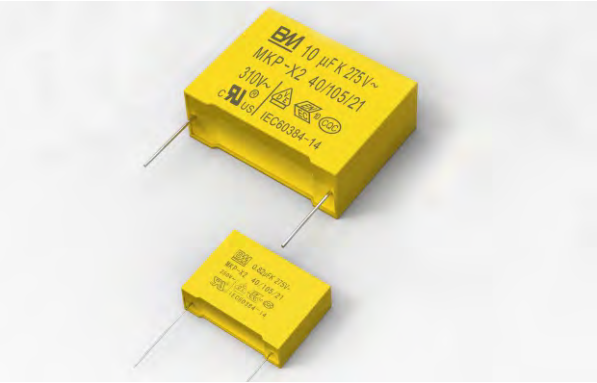
优化系列X2认证型，采用高分子聚丙烯薄膜介质、加厚型金属化电极、全自动喷焊工艺，94V0级阻燃PBT塑壳、耐湿热环氧树脂密封、CP线引出。高耐压、耐湿热、低容降，专用于阻容降压电路，如LED驱动模块、电表、小家电等低功率电子消费产品。

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

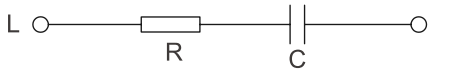
Application: LED driver module, smart meter, appliance and other consumer goods.

认证标志 Safety approvals	CQC、UL&CUL、VDE&ENEC、KC
执行标准 Implemented standard	GB/T14472-1998、UL60384-14 IEC60384-14
气候类别 Climatic category	40/105/21(VDE,ENEC,CQC) 40/110/56/B (UL&CUL)
认证类别 Subclass	X2
额定电压 Rated voltage	250 / 275 / 310VAC (50/60Hz)
容量范围 Capacitance range	0.22μF ~ 3.3μF
容量偏差 Capacitance tolerance	±5%(J)、±10%(K)
耐电压 Voltage proof	
极间 between terminals	4.3*U _R (VDC)/10S
极壳 between terminals and case	2*U _R +1500(VAC) / 60s(2000VAC min)
绝缘电阻 Insulation resistance(20°C)	
极间 between terminals	≥15000MΩ, C _R ≤0.33μF (100Vdc,60s)
极壳 between terminals and case	≥5000S, C _R > 0.33μF (100Vdc,60s)
损耗角正切 Tangent of loss angle(20°C)	
C _R ≤1μF	≤0.001(1KHz); ≤0.003(10KHz)
C _R >1μF	≤0.002(1KHz)
电压爬升率 Pulse rise time(dv/dt)	100V/μs Max

常用规格 Dimension						Unit : mm
Rated Cap.	L	W	H	P	Φd	
0.22μF	18.0	8.5	14.5	15.0	0.8	
0.33μF	18.0	10.0	15.8	15.0	0.8	
0.47μF	18.0	11.2	19.2	15.0	0.8	
0.22μF	26.3	7.0	16.5	22.5	0.8	
0.33μF	26.3	8.5	17.0	22.5	0.8	
0.47μF	26.3	10.0	19.0	22.5	0.8	
0.68μF	26.3	10.0	19.0	22.5	0.8	
0.82μF	26.3	11.0	20.0	22.5	0.8	
1.0μF	26.3	13.0	23.0	22.5	0.8	
0.47μF	31.0	9.0	18.0	27.5	0.8	
0.68μF	31.5	10.8	19.5	27.5	0.8	
1.0μF	31.5	10.8	19.5	27.5	0.8	
1.0μF	31.5	13.0	21.6	27.5	0.8	
1.2μF	31.5	13.0	21.6	27.5	0.8	
1.5μF	31.5	14.0	25.0	27.5	0.8	
1.8μF	32.0	16.0	25.5	27.5	0.8	
2.0μF	32.0	15.0	30.0	27.5	0.8	
2.2μF	32.0	15.0	30.0	27.5	0.8	



典型线路图
Typical circuit



后级电路
Back-stage circuit



C:降压电容
Capacitor divider



阻容降压用盒装化金属化聚丙烯薄膜电容器

BOX TYPE FILM CAPACITOR FOR CAPACITIVE DIVIDER

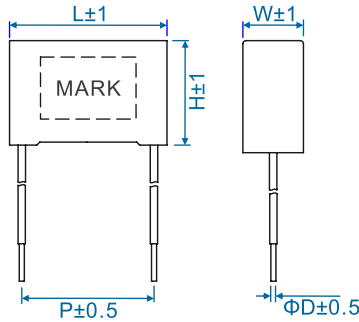
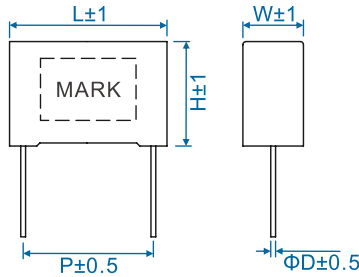
CBB23

非认证型，采用聚丙烯薄膜介质、阻燃塑壳、环氧树脂密封，CP线引出。高性价比、低容降、外观一致，可替换包封电容，适用于110~240VAC阻容降压电路。

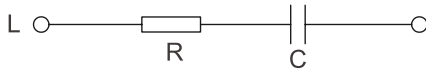
- Metallised polypropylene(MPP) film capacitor;
 - 94V0 retardant PBT case;
 - Epoxy filling;
 - CP wire lead;
 - The replacement of dipped type capacitor, but much better dimension tolerance;
 - Better price/performance ration;
 - No safety certificates;
- Application:110-240V capacitive divider circuit.

引用标准 Reference standard	GB/T14579、IEC60384-17
气候类别 Climatic category	40 / 105 / 21
额定电压 Rated voltage	250VDC(125VAC)、400VDC(220VAC) 630VDC(250VAC)
额定温度 Rated temperature	85°C Max
容量范围 Capacitance range	0.22μF ~ 3.3μF
容量偏差 Capacitance tolerance	±5%(J)、±10%(K)
耐电压 Voltage proof	
极间 between terminals	1.6*U _R (VDC) / 10s
极壳 between terminals and case	2*U _R +1500(VAC) / 60s(2000VAC min)
绝缘电阻 Insulation resistance(20°C)	
极间 between terminals	≥30000MΩ, C _R ≤0.33μF (100Vdc,60s) ≥7500S, C _R >0.33μF (100Vdc,60s)
极壳 between terminals and case	≥30000MΩ (100Vdc,60s)
损耗角正切 Tangent of loss angle(20°C)	
C _R ≤1μF	≤0.001(1KHz); ≤0.003(10KHz)
C _R >1μF	≤0.002(1KHz)
电压爬升率 Pulse rise time(dv/dt)	60V/μs Max

常用规格 Dimension						Unit : mm
Rated Cap.	L	W	H	P	Φd	
250VDC(125VAC)						
1.0μF	26.3	7.0	16.5	22.5	0.8	
1.2μF	26.3	7.0	16.5	22.5	0.8	
1.5μF	26.5	8.5	17.0	22.5	0.8	
400VDC(220VAC)						
0.47μF	18.0	8.5	14.5	15.0	0.8	
0.68μF	18.0	10.0	18.0	15.0	0.8	
1.0μF	26.3	8.5	17.0	22.5	0.8	
1.2μF	26.3	10.0	19.0	22.5	0.8	
1.5μF	18.0	11.0	20.0	22.5	0.8	
2.0μF	31.5	10.8	19.5	27.5	0.8	
2.2μF	31.5	13.0	21.6	27.5	0.8	
630VDC(250VAC)						
0.47μF	26.3	8.5	17.0	22.5	0.8	
0.68μF	26.3	10.0	19.0	22.5	0.8	
1.0μF	26.3	13.0	23.0	22.5	0.8	
1.0μF	31.5	10.8	21.6	27.5	0.8	
1.2μF	31.5	13.0	21.6	27.5	0.8	
1.5μF	31.5	14.0	25.0	27.5	0.8	
2.2μF	31.5	15.0	30.0	27.5	0.8	



典型线路图
Typical circuit



后级电路
Back-stage circuit



C:降压电容
Capacitor divider

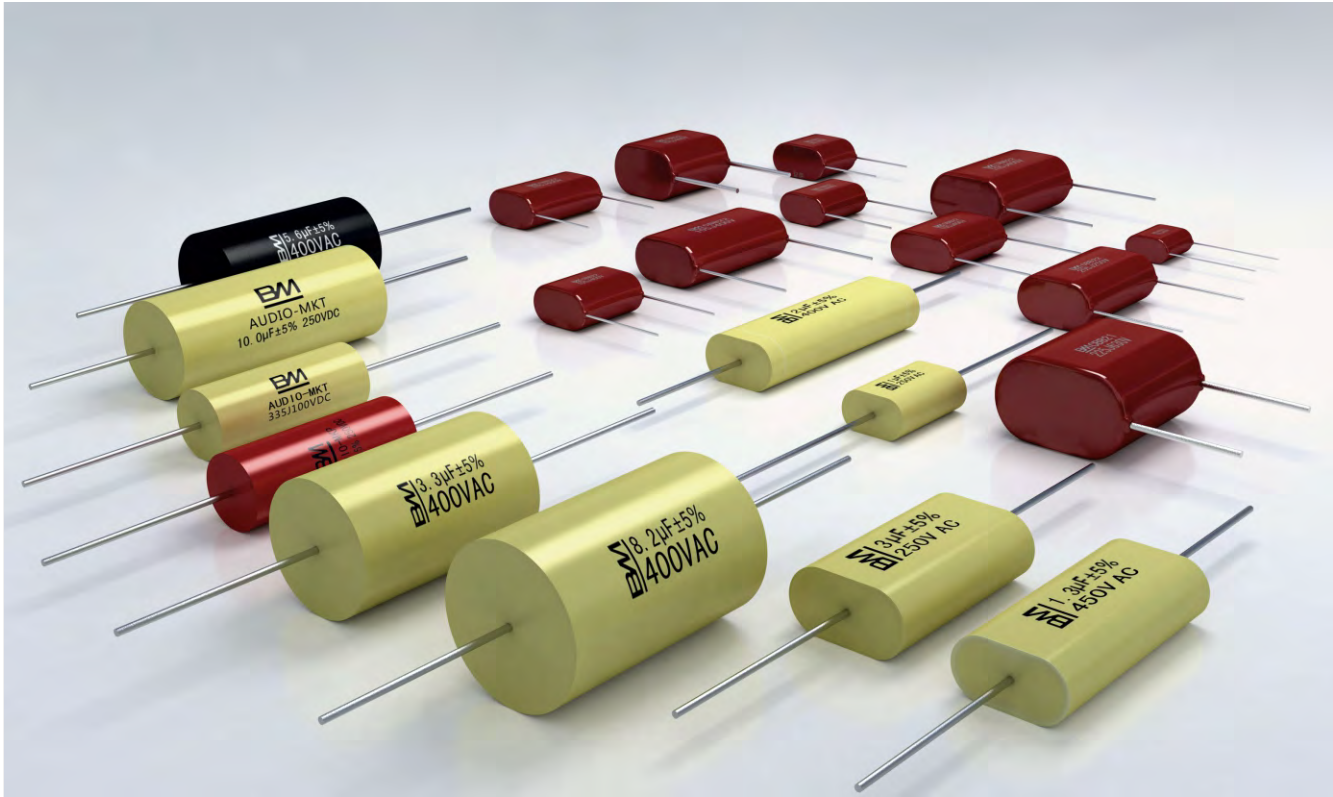


包封电容器系列

FILM CAPACITOR SERIES

主要产品有粉末包封电容器、轴向电容器。在各类家用电器、音响、通讯、灯具等设备的直流脉动、脉冲、交流降压、滤波、谐振、点火等电路中广泛应用。

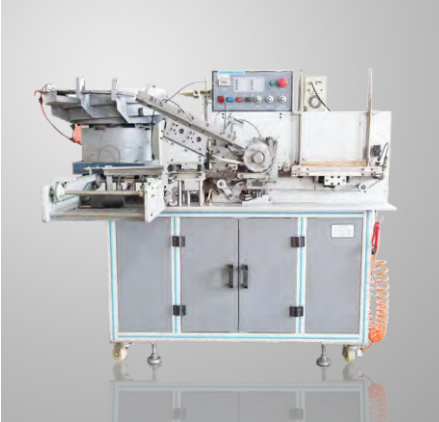
Mainly produce powder coating capacitor, axial capacitor. It's widely used in the circuit of DC pulse, impulse, capacitive divider, filtering, resonance, ignition in various home appliance, audio, communication, lighting and many other appliances.



自动包封机
Automatic over-wrapping machine



自动编带机
Automatic taping machine



自动轴向焊接机
Automatic axial welding machine



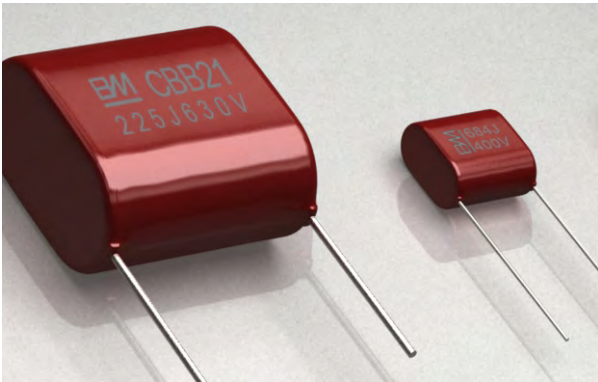


金属化聚丙烯薄膜电容器

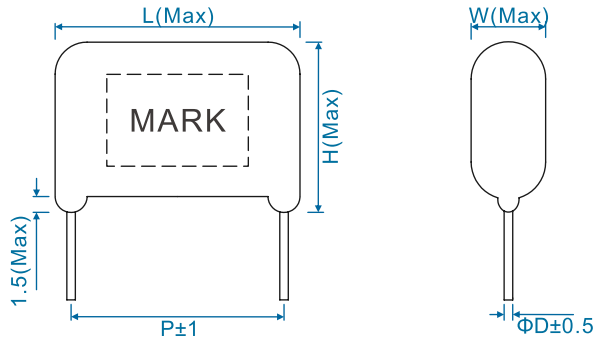
METALLISED POLYPROPYLENE FILM CAPACITOR (DIPPED CAPACITOR)

通用型，采用金属化聚丙烯薄膜无感式卷绕、阻燃环氧粉末包封、镀锡铜线引出，具有防潮能力强、自愈性好、高绝缘、低损耗、低温升等特点。

- Universal application;
- Metallised polypropylene(MPP) film capacitor;
- Non-inductive capacitor;
- Dipped type;
- Tinned copper lead;
- Better humidity-prevention, better self-healing, high insulation, low loss, low ΔT .

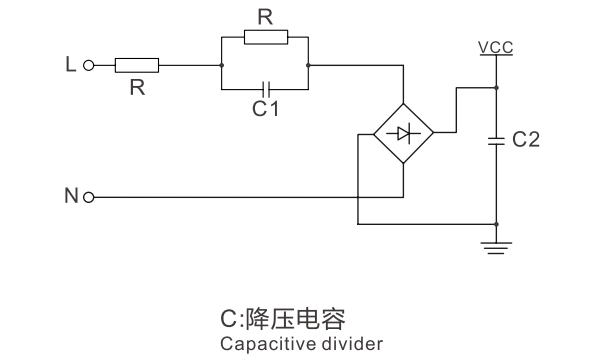


引用标准	Reference standard	GB10190. IEC 60384-16
气候类别	Climatic category	40 / 85 / 21
额定电压	Rated voltage	250VDC ~ 630VDC
容量范围	Capacitance range	0.1 μ F ~ 10 μ F
容量偏差	Capacitance tolerance	$\pm 5\%$ (J)、 $\pm 10\%$ (K)
耐电压	Voltage proof	
极间	between terminals	1.6*U _R (VDC)/10S
绝缘电阻	Insulation resistance(20°C)	
极间	between terminals	$\geq 30000M\Omega$, C _R $\leq 0.33\mu$ F (100Vdc, 60s) $\geq 7500S$, C _R $> 0.33\mu$ F (100Vdc, 60s)
极壳	between terminals and case	$\geq 100000M\Omega$ (100Vdc, 60s)
损耗角正切	Tangent of loss angle(20°C)	≤ 0.002 (1KHz)



常用规格 Dimension											Unit : mm				
Rated Cap.	250/275VDC					400VDC					630VDC				
	L	W	H	P	ΦD	L	W	H	P	ΦD	L	W	H	P	ΦD
0.10μF	18	6.5	12.5	15.0	0.8	18	6.5	12.5	15.0	0.8	18	6.5	12.5	15.0	0.8
0.22μF	18	6.5	12.5	15.0	0.8	18	6.5	12.5	15.0	0.8	18	9.5	15.5	15.0	0.8
0.33μF	18	6.5	12.5	15.0	0.8	18	7.5	14	15.0	0.8	23	8.5	15	20.0	0.8
0.47μF	23	7.0	14.5	20.0	0.8	23	7.0	14.5	20.0	0.8	23	9.5	17.5	20.0	0.8
0.68μF	23	8.0	16	20.0	0.8	23	8.0	16	20.0	0.8	23	11.5	19	20.0	0.8
0.82μF	23	7.0	14.5	20.0	0.8	23	9.0	16.5	20.0	0.8	23	12.5	20	20.0	0.8
1.0μF	24	7.5	15.5	20.0	0.8	24	10	17.5	20.0	0.8	24	14	21.5	20.0	0.8
1.2μF	24	8.5	16.0	20.0	0.8	24	11	18.5	20.0	0.8	29.5	13	21	26.0	0.8
1.5μF	24	9.5	17.0	20.0	0.8	24	12	20	20.0	0.8	29.5	14.5	22	26.0	0.8
2.0μF	24	10.5	18.5	20.0	0.8	24	14	22	20.0	0.8	29.5	17	25	26.0	0.8
2.2μF	24	11.5	19.0	20.0	0.8	29.5	12.5	20	26.0	0.8	29.5	18	25.5	26.0	0.8
2.5μF	24	12	20.0	20.0	0.8	29.5	13	21	26.0	0.8	29.5	19	27	26.0	0.8
3.0μF	24	13.5	21.0	20.0	0.8	29.5	14.5	22	26.0	0.8	35	18.5	26.5	31.0	0.8
3.3μF	24	14	21.5	20.0	0.8	29.5	15	23	26.0	0.8	35	19.5	27.5	31.0	0.8

典型线路图
Typical circuit





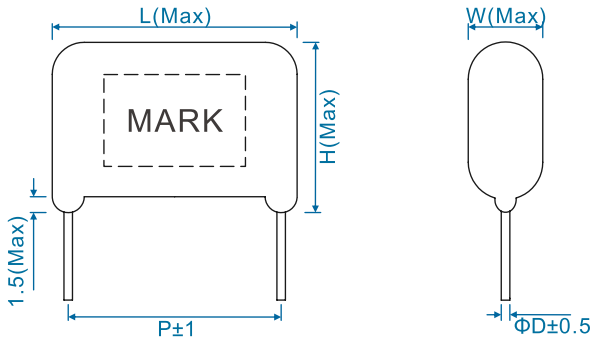
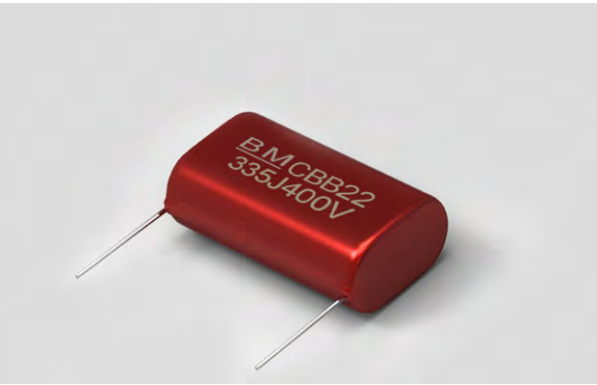
金属化聚丙烯薄膜电容器

METALLISED POLYPROPYLENE FILM CAPACITOR(DIPPED CAPACITOR)

采用金属化聚丙烯薄膜无感式卷绕、阻燃环氧粉末封装、镀锡铜线引出，具有防潮能力强、自愈性好、高绝缘、低损耗等特点。适用于LED灯、点火及高频电路中。

- Universal application;
- Metallised polypropylene(MPP) film capacitor;
- Non-inductive capacitor;
- Dipped type;
- Tinned copper lead;
- Better humidity-prevention, better self-healing, high insulation, low loss, low ΔT ;

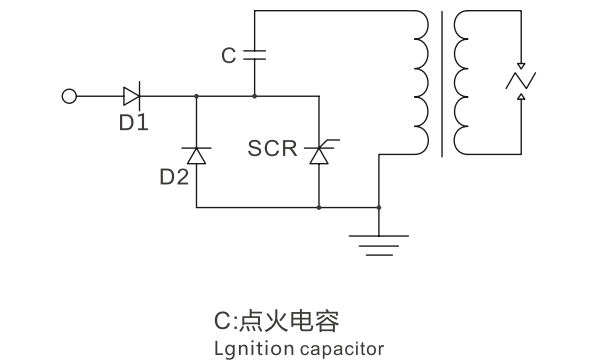
Application: LED lighting, high frequency circuits, igniting.



引用标准 Reference standard	GB10190、IEC 60384-16	
气候类别 Climatic category	40 / 85 / 21	
额定电压 Rated voltage	250VDC ~ 630VDC	
容量范围 Capacitance range	0.1μF ~ 10μF	
容量偏差 Capacitance tolerance	±5%(J)、±10%(K)	
耐 电 压 Voltage proof		
极间 between terminals	1.6*U _R (VDC) / 10s	
绝缘电阻 Insulation resistance(20℃)		
极间 between terminals	≥30000MΩ, C _R ≤0.33μF (100Vdc,60s) ≥7500S, C _R >0.33μF (100Vdc,60s)	
极壳 between terminals and case	≥100000MΩ (100Vdc,60s)	
损耗角正切 Tangent of loss angle(20℃)	≤0.002 (1KHz)	

常用规格 Dimension											Unit : mm				
Rated Cap.	250/275VDC					400VDC					630VDC				
	L	W	H	P	ΦD	L	W	H	P	ΦD	L	W	H	P	ΦD
0.10μF	18	6.5	12.5	15.0	0.8	18	6.5	12.5	15.0	0.8	18	6.5	12.5	15.0	0.8
0.15μF	18	6.5	12.5	15.0	0.8	18	6.5	12.5	15.0	0.8	18	7.5	14.0	15.0	0.8
0.22μF	18	6.5	12.5	15.0	0.8	18	6.5	12.5	15.0	0.8	18	9.5	15.0	20.0	0.8
0.47μF	23	7.0	14.5	20.0	0.8	23	7.0	14.5	20.0	0.8	23	9.5	17.5	20.0	0.8
0.56μF	23	7.5	15	20.0	0.8	23	7.5	15	20.0	0.8	23	10.5	18	20.0	0.8
0.68μF	23	8.0	16	20.0	0.8	23	8.0	16	20.0	0.8	23	11.5	19	20.0	0.8
0.82μF	24	7.0	14.5	20.0	0.8	23	9.0	16.5	20.0	0.8	23	12.5	20	20.0	0.8
1.0μF	24	7.5	15.5	20.0	0.8	23	10	17.5	20.0	0.8	23	14	21.5	20.0	0.8
1.2μF	24	8.5	16.0	20.0	0.8	23	11	18.5	20.0	0.8	29.5	13	21	26.0	0.8
1.5μF	24	9.5	17.0	20.0	0.8	23	12	20	20.0	0.8	29.5	14.5	22	26.0	0.8
2.0μF	24	10.5	18.5	20.0	0.8	23	14	22	20.0	0.8	29.5	17	25	26.0	0.8
2.5μF	24	12	20.0	20.0	0.8	29.5	13	21	26.0	0.8	29.5	19	27	26.0	0.8
3.0μF	24	13.5	21.0	20.0	0.8	29.5	14.5	22	26.0	0.8	35	18.5	26.5	31.0	0.8
3.5μF	24	14	21.5	20.0	0.8	29.5	15	23	26.0	0.8	35	20.5	28.0	31.0	0.8

典型线路图
Typical circuit





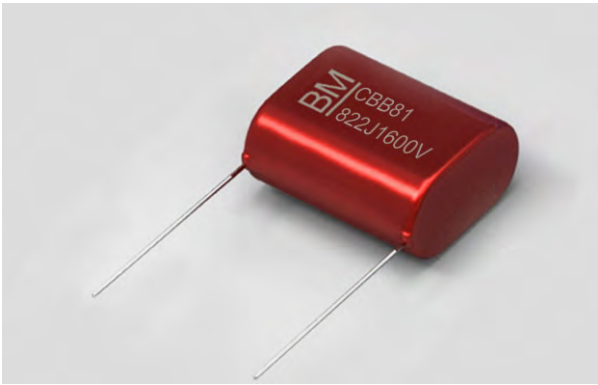
金属化聚丙烯膜、箔电容器

METALLISED POLYPROPYLENE FILM AND FOIL CAPACITOR

采用聚丙烯膜和铝箔无感式卷绕、阻燃环氧粉末封装、镀锡铜线引出，具有高耐压、高绝缘、耐冲击、低损耗、低温升等特点。适用于高压、脉冲、点火、谐振电路中。

- Metallised polypropylene(MPP) film capacitor and aluminum foil;
- Non-inductive capacitor;
- Dipped type;
- Tinned copper lead;
- high voltage withstanding, high insulation, low loss, low ΔT ;

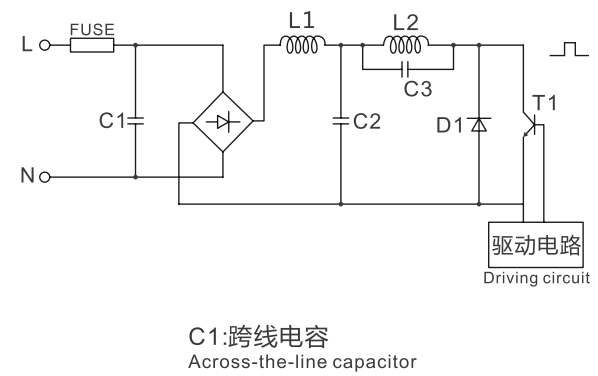
Application: the circuits of high voltage,pulse, igniting and resonance.



引用标准 Reference standard	GB/T14579、IEC 60384-17	
气候类别 Climatic category	40 / 85 / 21	
额定电压 Rated voltage	1000VDC ~ 3000VDC	
容量范围 Capacitance range	0.0022μF ~ 1μF	
容量偏差 Capacitance tolerance	±5%(J)、±10%(K)	
耐 电 压 Voltage proof		
极间 between terminals	2.5*U _R (VDC)/10s	
绝缘电阻 Insulation resistance(20℃)		
极间 between terminals	≥30000MΩ, C _R ≤0.33μF (100Vdc,60s) ≥7500S, C _R >0.33μF (100Vdc,60s)	
极壳 between terminals and case	≥100000MΩ (100Vdc,60s)	
损耗角正切 Tangent of loss angle(20℃)	≤0.001 (10KHz)	

常用规格 Dimension														Unit : mm			
Rated Cap.	1000VDC					1600VDC					2000VDC						
	L	W	H	P	ΦD	L	W	H	P	ΦD	L	W	H	P	ΦD		
0.0022μF	18	6.5	12.5	15.0	0.8	18	6.5	12.5	15.0	0.8	18	7.0	12.5	15.0	0.8		
0.0047μF	18	9.0	14.5	15.0	0.8	18	6.5	12.5	15.0	0.8	18	9.5	15	15.0	0.8		
0.0056μF	18	8.5	14.0	15.0	0.8	18	8.5	14.0	15.0	0.8	25	8.0	13.5	22.0	0.8		
0.0068μF	18	7.5	13.5	15.0	0.8	18	7.5	13.5	15.0	0.8	25	8.5	14.0	22.0	0.8		
0.0082μF	18	8.5	14.0	15.0	0.8	18	8.5	14.0	15.0	0.8	25	9.0	15.0	22.0	0.8		
0.010μF	18	7.0	12.0	15.0	0.8	18	8.0	12.0	15.0	0.8	25	11	16.5	22.0	0.8		
0.015μF	18	10	15.5	15.0	0.8	18	10	15.5	15.0	0.8	25	8.5	14.0	22.0	0.8		
0.020μF	18	10	17.0	15.0	0.8	18	10	17.0	15.0	0.8	25	9.0	16.0	22.0	0.8		
0.022μF	18	10.5	17.5	15.0	0.8	18	10.5	17.5	15.0	0.8	25	10	15.5	22.0	0.8		
0.024μF	18	10.5	18.0	15.0	0.8	18	10.5	18.0	15.0	0.8	25	9.5	17	22.0	0.8		
0.027μF	25	8.0	15.5	22.0	0.8	25	8.0	15.5	22.0	0.8	25	10	17.5	22.0	0.8		
0.030μF	25	8.5	15.5	22.0	0.8	25	8.5	15.5	22.0	0.8	25	11	18.5	22.0	0.8		
0.039μF	25	9.5	16.5	22.0	0.8	25	9.5	16.5	22.0	0.8	25	12.5	20	22.0	0.8		
0.10μF	34	11.5	19.0	31.0	0.8	34	11.5	19.0	31.0	0.8	34	21.5	29	31.0	0.8		

典型线路图
Typical circuit



金属化聚丙烯薄膜扁形轴向电容器

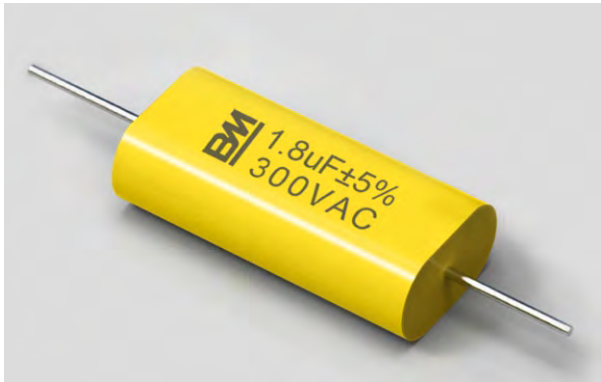
AXIAL METALLISED POLYPROPYLENE CAPACITOR-FLAT TYPE

CBB20

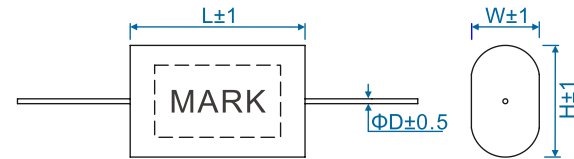
采用金属化聚丙烯薄膜无感式卷绕、迈拉胶带封装、镀锡铜线轴向引出，具有体积小、高绝缘、低损耗、低温升、便于安装等特点。适用于电源、音响分频等

- Metallised polypropylene(MPP) film capacitor;
- Non-inductive capacitor;
- Tape wrapped;
- Tinned copper axial lead;
- Smaller dimensions, high insulation, low loss, low ΔT , low noise , easy mounting;

Application: Filter circuit of LED power supply, audio, low pulse circuit.

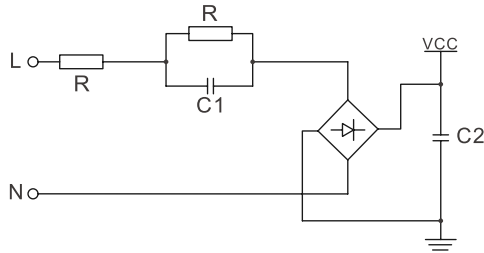


引用标准	Reference standard	GB10190、 IEC 60384-16
气候类别	Climatic category	40 / 85 / 21
额定电压	Rated voltage	250VDC ~ 630VDC
容量范围	Capacitance range	1 μ F ~ 40 μ F
容量偏差	Capacitance tolerance	±5%(J)、 ±10%(K)
耐 电 压	Voltage proof	
极间	between terminals	1.6*U _R (VDC) / 10s
绝缘电阻	Insulation resistance(20°C)	
极间	between terminals	≥30000M Ω , C _R ≤0.33 μ F (100Vdc,60s) ≥7500S, C _R >0.33 μ F (100Vdc,60s)
极壳	between terminals and case	≥100000M Ω (100Vdc,60s)
损耗角正切	Tangent of loss angle(20°C)	≤0.002(1KHz)



常用规格 Dimension												Unit : mm
Rated Cap.	250/275VDC				400VDC				630VDC			
	L	W	H	ΦD	L	W	H	ΦD	L	W	H	ΦD
1.0 μ F	25	5.0	12	0.8	25	8.0	14	0.8	25	11.5	19	0.8
1.2 μ F	25	6.5	13	0.8	25	9.0	15	0.8	25	13.5	19	0.8
1.5 μ F	25	7.5	14	0.8	25	10	16.5	0.8	25	14.5	22	0.8
2.0 μ F	25	9.0	15.5	0.8	25	12	18.5	0.8	25	14	22	0.8
2.2 μ F	26	9.5	15.5	0.8	25	13	19	0.8	31	16	22.5	0.8
2.5 μ F	26	10.0	16.5	0.8	25	14	20	0.8	31	17	23.5	0.8
3.3 μ F	26	12	18	0.8	31	13	19.5	0.8	31	20	26.5	0.8
3.5 μ F	26	12.5	18.5	0.8	31	13.5	20	0.8	36	18.5	24	0.8
4.0 μ F	26	13.5	19.5	0.8	31	15	21	0.8	36	19.5	26	0.8
4.7 μ F	26	14.5	21	0.8	31	16	22.5	0.8	36	21.5	28	0.8
5.6 μ F	31	14	20	0.8	31	18	24	0.8	36	24	30	0.8
6.8 μ F	31	15.5	21.5	0.8	31	20	26.5	0.8	46	22	28	0.8
8.2 μ F	31	17	23.5	0.8	36	19.5	26	0.8	46	24.5	30	0.8
10.0 μ F	31	19.5	25.5	1.0	36	22	28.5	1.0	46	26.5	33	1.0

典型线路图
Typical circuit



C2:滤波电容
Filter capacitor

金属化聚丙烯薄膜圆形轴向电容器

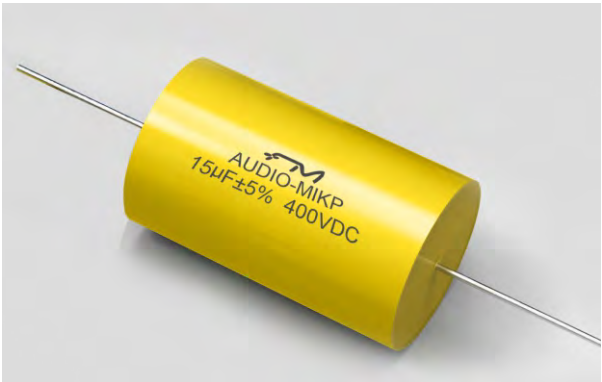
AXIAL METALLISED POLYPROPYLENCE CAPACITOR-ROUND TYPE

CBB20

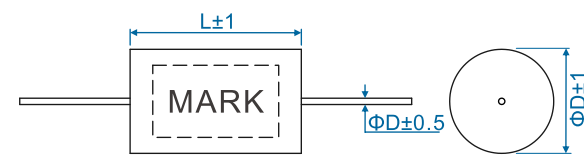
采用金属化聚丙烯薄膜无感式卷绕、迈拉胶带封装、镀锡铜线轴向引出，具有体积小、高绝缘、低损耗、低温升、便于安装等特点。适用于电源、音响分频等各种滤波、降噪和低脉冲电路中。

- Metallised polypropylene(MPP) film capacitor;
- Non-inductive capacitor;
- Tape wrapped;
- Tinned copper axial lead;
- Smaller dimensions, high insulation, low loss, low ΔT , low noise , easy mounting;

Application:Filter circuit of LED power supply, audio, low pulse circuit.

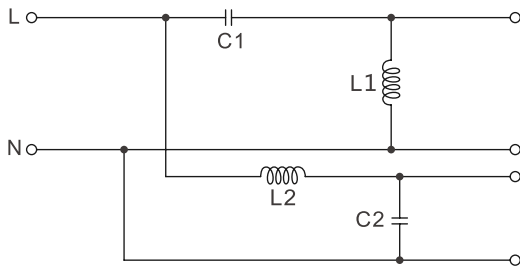


引用标准	Reference standard	GB10190、 IEC 60384-16
气候类别	Climatic category	40 / 85 / 21
额定电压	Rated voltage	250VDC ~ 630VDC
容量范围	Capacitance range	1 μ F ~ 40 μ F
容量偏差	Capacitance tolerance	±5%(J)、 ±10%(K)
耐 电 压	Voltage proof	
极间	between terminals	1.6*U _R (VDC)/10S
绝缘电阻	Insulation resistance(20°C)	
极间	between terminals	≥30000M Ω , C _R ≤0.33 μ F (100Vdc,60s) ≥7500S, C _R > 0.33 μ F (100Vdc,60s)
极壳	between terminals and case	≥100000M Ω (100Vdc,60s)
损耗角正切	Tangent of loss angle(20°C)	≤0.002 (1KHz)



常用规格 Dimension										Unit : mm
Rated cap.	250 / 275VDC			400VDC			630VDC			
	L	D	ΦD	L	D	ΦD	L	D	ΦD	
1.0 μ F	26	9.5	0.8	26	11.5	0.8	26	16	0.8	
1.2 μ F	26	10.5	0.8	26	13	0.8	25	17.5	0.8	
1.5 μ F	26	11.5	0.8	25	14	0.8	31	17	0.8	
2.0 μ F	26	13	0.8	25	16	0.8	31	19.5	0.8	
2.2 μ F	26	13.5	0.8	25	17	0.8	31	20	0.8	
2.5 μ F	26	14	0.8	25	18	0.8	31	21	0.8	
3.0 μ F	26	15.5	0.8	31	16.5	0.8	31	23	0.8	
3.5 μ F	26	16.5	0.8	31	17.5	0.8	36	22.5	0.8	
4.0 μ F	26	17.5	0.8	31	19	0.8	36	23.5	0.8	
4.7 μ F	26	18.5	0.8	31	20	0.8	36	25.5	0.8	
5.6 μ F	31	18	0.8	31	22	0.8	36	28	0.8	
6.8 μ F	31	19.5	0.8	31	24	0.8	46	26	0.8	
8.2 μ F	31	21	0.8	36	23.5	0.8	46*	28.5	0.8	
10.0 μ F	31	23.5	1.0	36	26	1.0	46	30.5	1.0	

典型线路图
Typical circuit



C1,C2:分频电容
Audio frequency division capacitor



针式电容器事业部

INDUCTION HEATING CAPACITOR DEPARTMENT

主要生产跨线抗干扰电容、平滑滤波电容、高压谐振电容。在家用及商用电磁炉、工业用加热设备及其他感应加热装置中广泛应用。

Mainly produce Jumper Wire Interference Capacitor, Smooth Filter Capacitor, High Voltage Resonance Capacitor. It's widely used for Industrial Induction Cooker, Industrial Heating Equipment and other inductive heating device.



包装机
Wrapping machine



全自动测试机
Automatic testing machine



全自动组立线
Automatic assembly line



电磁炉电容器 跨线抗干扰系列

INDUCTION HEATING CAPACITOR:ACROSS-THE-LINE INTERFERENCE SUPPRESSION SERIES

MKP

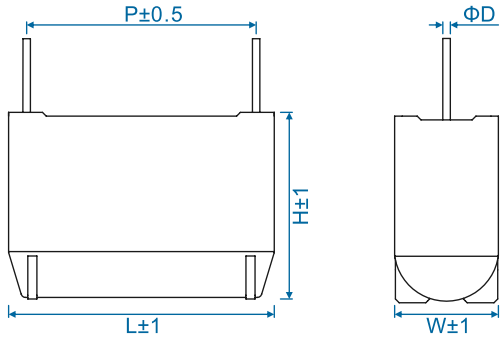
采用耐温型聚丙烯薄膜介质，加厚型金属化电极，全自动化生产，具有一致性好，稳定性高等特点。

专用于电磁炉等感应加热装置的并联跨线回路。

- Metallised polypropylene(MPP) film capacitor;
- Thickened electrodes;
- Automatic production to ensure stable quality;
- Specially for the across-the-line parallel loop circuit of induction heating device.

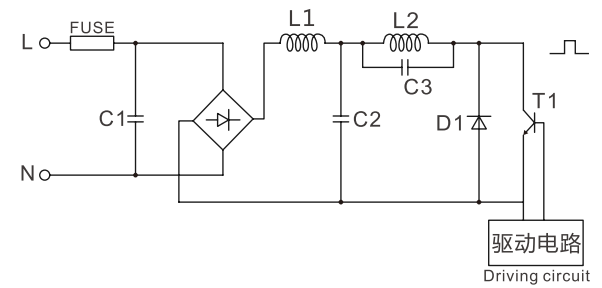


引用标准	Reference standard	GB/T14472、IEC60384-14、UL1283
气候类别	Climatic category	40 / 105 / 21
额定电压	Rated voltage	150VAC、275VAC (50/60Hz)
容量范围	Capacitance range	0.01μF ~ 12μF
容量偏差	Capacitance tolerance	±5%(J)、±10%(K)
耐电压	Voltage proof	
极间	between terminals	1.8*U _R / 60s
极壳	between terminals and case	2*U _R +1000(VAC) / 60s(≥2000VAC)
绝缘电阻	Insulation resistance(20℃)	
极间	between terminals	≥5000S (100Vdc,60s)
极壳	between terminals and case	≥30000MΩ (100Vdc,60s)
损耗角正切	Tangent of loss angle(20℃)	≤0.001 (1KHz)
电压爬升率	Pulse rise time(dv/dt)	30V/μs Max



常用规格 Dimension										Unit : mm
Rated cap.	150VAC					275VAC				
	L	W	H	P	ΦD	L	W	H	P	ΦD
1.0μF	—	—	—	—	—	30	8	15	26.5	0.8
1.2μF	—	—	—	—	—	31	8	19	26.5	0.8
1.5μF	—	—	—	—	—	32	11	20	26.5	0.8
2.0μF	—	—	—	—	—	30	12	19	26.5	0.8
2.2μF	—	—	—	—	—	32	12	22	26.5	0.8
3.0μF	—	—	—	—	—	36	13	20	31.0	0.8
3.3μF	—	—	—	—	—	36	13	23	31.0	0.8
4.7μF	—	—	—	—	—	36	17	26	31.0	1.0
8.0μF	36	17	26	31.0	1.0	—	—	—	—	—
8.0μF	36	25	18	31.0	1.0	—	—	—	—	—
10.0μF	36	26	21	31.0	1.0	—	—	—	—	—

典型线路图
Typical circuit



C1:跨线电容
Across-the-line capacitor



电磁炉电容器 平滑滤波系列

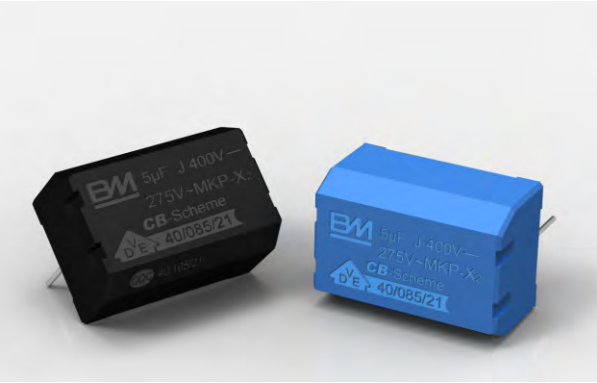
INDUCTION HEATING CAPACITOR:SMOOTHING FILTER SERIES

采用耐温型聚丙烯薄膜介质，加厚型金属化电极，大电流全检测试，全自动化生产，具有一致性好，稳定性高等特点。

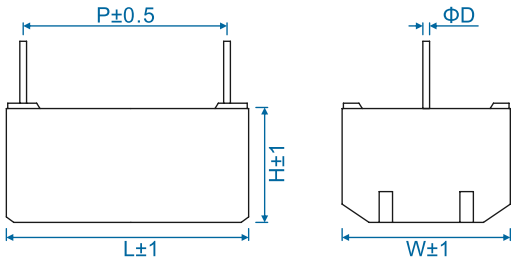
专用于电磁炉等感应加热装置的平滑滤波电路。

- Metallised polypropylene(MPP) film capacitor;
- Thickened electrodes;
- 100% big current inspection;
- Automatic production to ensure stable quality;
- Specially for the smoothing filter circuit of induction heating device.

MKP



引用标准 Reference standard	GB/T14472、IEC60384-14、UL1283
气候类别 Climatic category	40 / 105 / 21
额定电压 Rated voltage	150VAC、400VDC (275VAC)
容量范围 Capacitance range	3μF ~ 15μF
容量偏差 Capacitance tolerance	±5%(J)、±10%(K)
耐 电 压 Voltage proof	
极间 between terminals	1.8*U _R / 60s
极壳 between terminals and case	2*U _R +1000(VAC) / 60s(≥2000VAC)
绝缘电阻 Insulation resistance(20℃)	
极间 between terminals	≥5000S (100Vdc,60s)
极壳 between terminals and case	≥30000MΩ (100Vdc,60s)
损耗角正切 Tangent of loss angle(20℃)	≤0.001 (1KHz)
电压爬升率 Pulse rise time(dv/dt)	30V/μs Max



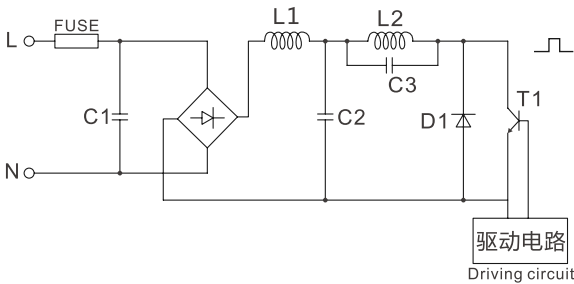
常用规格 Dimension

Unit : mm

Rated cap.	400VDC(275VAC)				
	L	W	H	P	ΦD
4.0μF	36	22	17	31	1.0
4.0μF	36	14	25	31	1.0
5.0μF	36	25	18	31	1.0
5.0μF	36	17	25	31	1.0
6.0μF	36	26	21	31	1.0
6.0μF	36	17.5	29	31	1.0
6.8μF	36	26	21	31	1.0
8.0μF	36	30	22	31	1.0
10.0μF	36	26	21	31	1.0
12.0μF	36	19.5	32	31	1.0
15.0μF	46	23.5	38	41	1.0

典型线路图

Typical circuit



C2:滤波电容
Filter capacitor



电磁炉电容器 高压谐振系列

INDUCTION HEATING CAPACITOR:HIGH VOLTAGE RESONANCE SERIES

采用耐温型聚丙烯薄膜介质，内串式双面加厚型金属化电极，无感式结构，DV/DT全检测试，全自动化生产，具有一致性好，稳定性高等特点。

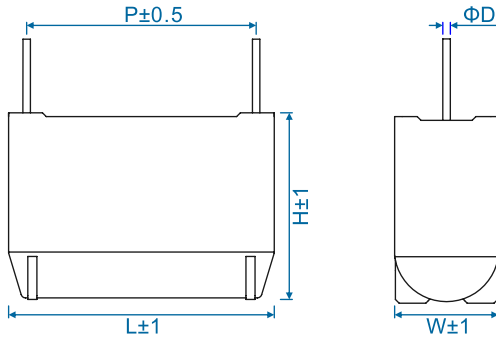
专用于电磁炉等感应加热装置的高频振荡回路。

- Metallised polypropylene(MPP) film capacitor;
- Thickened electrodes, inner series and double-sided metallisation;
- Non-inductive structure;
- 100% big current inspection;
- 100% DV/DT inspection;
- Automatic production to ensure stable quality;
- Specially for the high frequency oscillating loop[circuit of induction heating device].

MKPH



引用标准 Reference standard	GB/T14472、IEC60384-14、UL1283
气候类别 Climatic category	40 / 105 / 21
额定电压 Rated voltage	1000VDC、1200VDC、1600VDC、2000VDC
容量范围 Capacitance range	0.01μF ~ 0.9μF
容量偏差 Capacitance tolerance	±5%(J)、±10%(K)
耐 电 压 Voltage proof	
极间 between terminals	2*U _R (VDC) / 10s
极壳 between terminals and case	2*U _R +1000(VAC) / 60s(≥2000VAC)
绝缘电阻 Insulation resistance(20℃)	
极间 between terminals	≥30000S (100Vdc,60s)
极壳 between terminals and case	≥30000MΩ (100Vdc,60s)
损耗角正切 Tangent of loss angle(20℃)	≤0.0007 (10KHz)
电压爬升率 Pulse rise time(dv/dt)	500V/μs Max



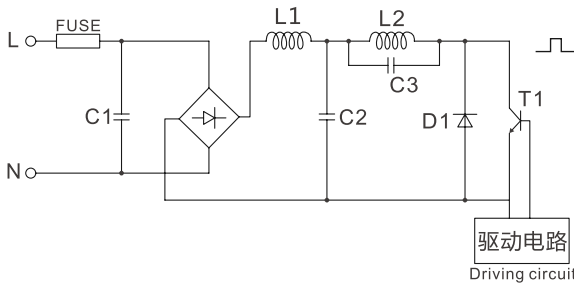
常用规格 Dimension

Unit : mm

Rated Cap.	L	W	H	P	ΦD
1000VDC					
0.10μF	26	12	23	22.0	1.0
0.15μF	35	10.5	21.5	30.5	1.0
1200VDC					
0.24μF	36	12.5	24	30.5	1.0
0.27μF	35	13	24	30.5	1.0
0.27μF	35	21.5	16	30.5	1.0
0.30μF	35	14	25	30.5	1.0
0.30μF	35	23	16.5	30.5	1.0
0.33μF	35	15	26	30.5	1.0
0.68μF	36	22	33	30.5	1.0
1600VDC					
0.30μF	36	17.5	29	30.5	1.0
0.33μF	36	19.5	32	30.5	1.0

典型线路图

Typical circuit



C3:谐振电容
Resonance capacitor



电磁炉电容器 小型化系列

MINI SIZE INDUCTION HEATING CAPACITOR

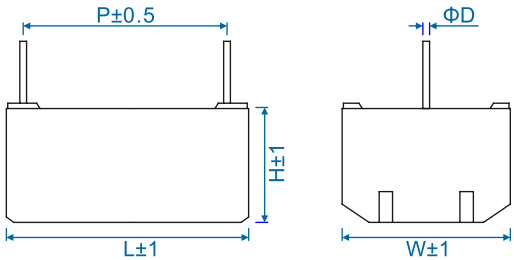
MKP
MKPH

专为满足小功率、超薄型电磁炉市场需求而设计、制造的小型化产品，性价比高，分别用于茶炉、超薄电磁炉的干扰抑制、平滑滤波、谐振电路。

- Specially designed for small power and ultra light induction heating device;
- High price/performance ratio;
- Suitable for the resonance, smoothing filter and EMI circuits of electric stove and ultra thin inducing heating cookers.

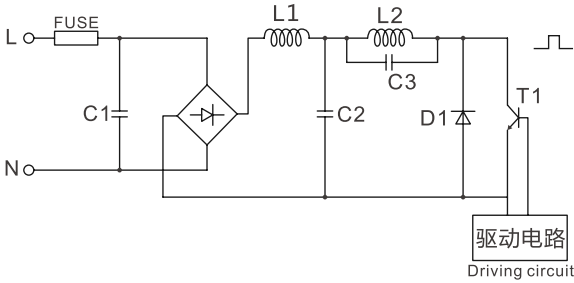


引用标准 Reference standard	275VAC/400VDC : GB/T14472、IEC60384-14、UL1283 1200VDC : GB/T3984.1-2004、GB/T3984.2-2004
气候类别 Climatic category	40 / 105 / 21
额定电压 Rated voltage	275VAC(C1); 400VDC(C2); 1200VDC(C3)
容量范围 Capacitance range	0.01μF ~ 10μF
容量偏差 Capacitance tolerance	±5%(J)、±10%(K)
耐 电 压 Voltage proof	
极间 between terminals	1.5*U _R / 10s
极壳 between terminals and case	2*U _R +1000(VAC) / 60s(≥2000VAC)
绝缘电阻 Insulation resistance(20°C)	
极间 between terminals	≥15000S, C _R ≤0.33μF (100Vdc,60s) ≥5000S, C _R >0.33μF (100Vdc,60s)
极壳 between terminals and case	≥30000MΩ (100Vdc,60s)
损耗角正切 Tangent of loss angle(20°C)	≤0.001 (1KHz)



常用规格 Dimension						Unit : mm
Rated Cap.	L	W	H	P	ΦD	
C1: 275VAC						
1.0μF	30	7	15	26.5	0.8	
2.0μF	30	9.1	17	26.5	0.8	
3.3μF	30	12	22	26.5	0.8	
C2: 400VDC(275VAC)						
4.0μF	30	20	29	13.5	24.5	
4.0μF	30	12.5	22	26.5	1.0	
5.0μF	30	22.5	16	26.5	1.0	
5.0μF	30	11.5	27	26.5	1.0	
C3: 1200VDC						
0.24μF	28.6	12.7	22	24.5	1.0	
0.27μF	28.5	20.5	15.5	24.5	1.0	
0.27μF	29.0	13.5	23	24.5	1.0	
0.30μF	28.5	21.5	16.5	24.5	1.0	
0.30μF	29	13.5	24.5	24.5	1.0	

典型线路图
Typical circuit



C1:跨线电容
Across-the-line capacitor
C2:滤波电容
Filter capacitor
C3:谐振电容
Resonance capacitor



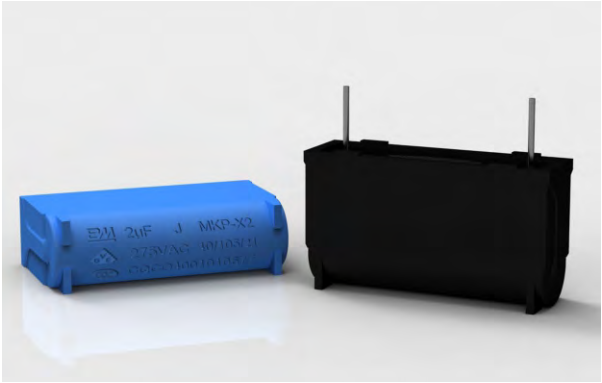
电磁炉电容器 安全型跨线系列

INDUCTION HEATING CAPACITOR:P2 CLASS SAFETY ACROSS-THE-LINE SERIES

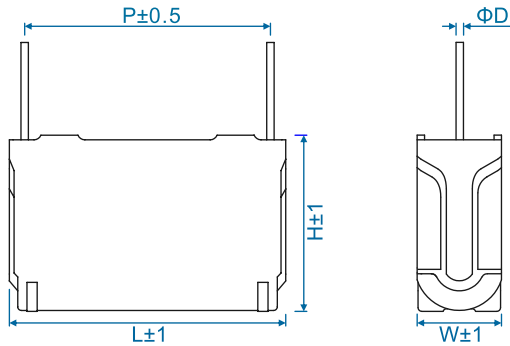
MKP

采用高分子聚丙烯薄膜介质，特殊安全型金属化电极制造工艺，具有失效后防止自燃的安全特点。专用于有安全要求的高端机型电源并联跨线回路。

- Metallised polypropylene(MPP) film capacitor;
- Thickened electrodes and P2 segmented safety film to ensure fail-safe;
- Specially for the across-the-line loop circuit of high-end power supply.

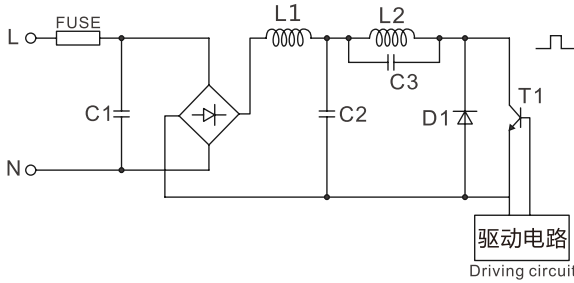


引用标准 Reference standard	GB/T14472、IEC60384-14、UL1283
气候类别 Climatic category	40 / 105 / 21
额定电压 Rated voltage	150VAC ~ 450VAC (50/60Hz)
容量范围 Capacitance range	1μF ~ 15μF
容量偏差 Capacitance tolerance	±5%(J)、±10%(K)
耐 电 压 Voltage proof	
极间 between terminals	1.5*U _R / 60s
极壳 between terminals and case	2*U _R +1000(VAC) / 60s(≥2000VAC)
绝缘电阻 Insulation resistance(20°C)	
极间 between terminals	≥5000S (100Vdc,60s)
极壳 between terminals and case	≥30000MΩ (100Vdc,60s)
损耗角正切 Tangent of loss angle(20°C)	≤0.001 (1KHz)
电压爬升率 Pulse rise time(dv/dt)	30V/μs Max



常用规格 Dimension										Unit : mm
Rated cap.	275VAC					450VAC				
	L	W	H	P	ΦD	L	W	H	P	ΦD
1.0μF	—	—	—	—	—	36	10.5	21.5	32	0.8
1.2μF	—	—	—	—	—	36	13	23	32	0.8
1.5μF	—	—	—	—	—	36	13	23	32	0.8
2.0μF	30	9	19	26.5	0.8	36	14.5	25.5	32	0.8
3.0μF	—	—	—	—	—	36	19.5	32	32	0.8
4.0μF	—	—	—	—	—	36	22	33	32	1.0
4.7μF	36	17	26	31.0	1.0	—	—	—	—	—
8.0μF	36	26	21	31.0	1.0	—	—	—	—	—
8.0μF	36	30	22	31.0	1.0	—	—	—	—	—

典型线路图
Typical circuit



C1:跨线电容
Across-the-line capacitor



微波炉倍压整流电路用电容器

CAPACITOR FOR MICROWAVE OVENS (STANDARD CLASS SERIES)

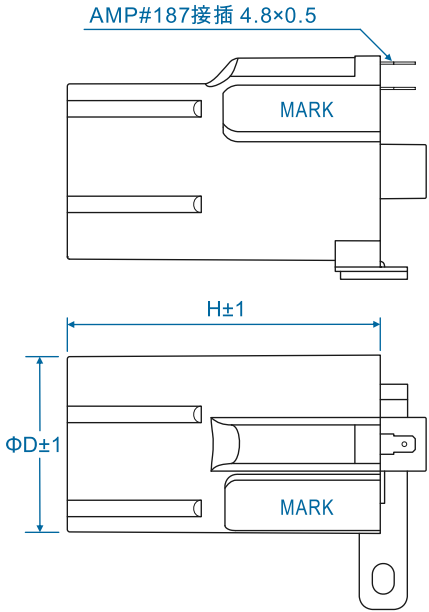
CBB85

专注于CBB85型微波炉倍压整流电路用电容器的制造。采用干式金属化聚丙烯薄膜结构、无漏液隐患；内置放电电阻、防错式快接端子、一体化安装耳，安装、连接便利高效。

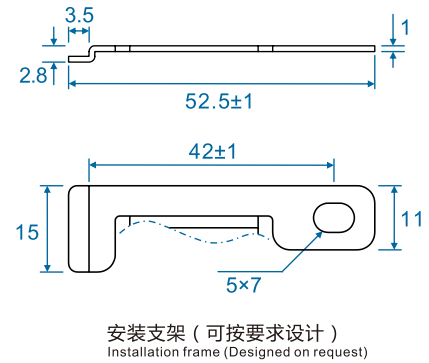
- Metallised polypropylene(MPP) film capacitor, dry structure, no leakage risk
- Resistor inside
- Fast mounting terminal, integrated lug for more efficient mounting.



引用标准 Reference standard	GB/T 18939.1、IEC 61270-1、JIS C 4908 DIN VDE 0560 Part 1 and Part 22
气候类别 Climatic category	10 / 85 / 21
额定电压 Rated voltage	2100VAC (50 / 60Hz)
容量范围 Capacitance range	0.5μF ~ 1.2μF
容量偏差 Capacitance tolerance	±3%
测试电压 Testing voltage	
极间 between terminals	4.3*U _M (VDC) / 10s
极壳 between terminals and case	2.4*U _M +1200(VAC) / 1s
损耗角正切 Tangent of loss angle(20℃)	≤0.001 (1KHz)
使用等级 Application class	标准级 (S级) standard class(S class)



常用规格 Dimension Unit : mm					
Rated cap.	ΦD	H	Rated cap.	ΦD	H
0.50μF	38	62	0.92μF	41	68
0.60μF	38	62	0.95μF	41	68
0.65μF	38	62	1.00μF	41	72
0.70μF	38	68	1.05μF	41	72
0.75μF	38	68	1.07μF	41	72
0.80μF	38	68	1.10μF	43	72
0.85μF	41	68	1.15μF	43	72
0.90μF	41	68	1.20μF	43	72



安装对比

INSTALLATION COMPARISION

新型干式结构

New Dry-type Structure

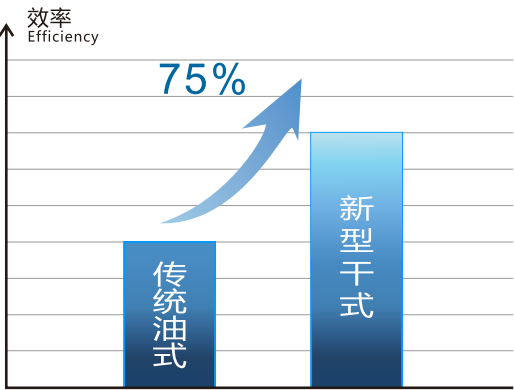
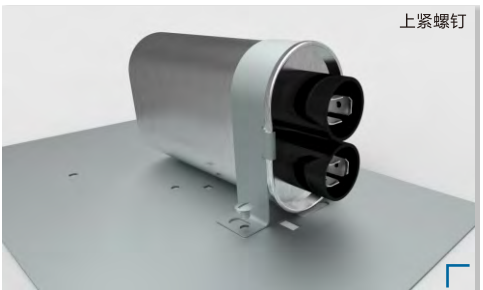
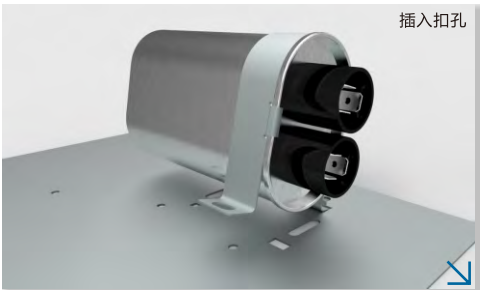
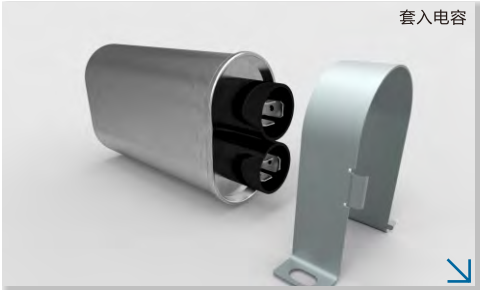
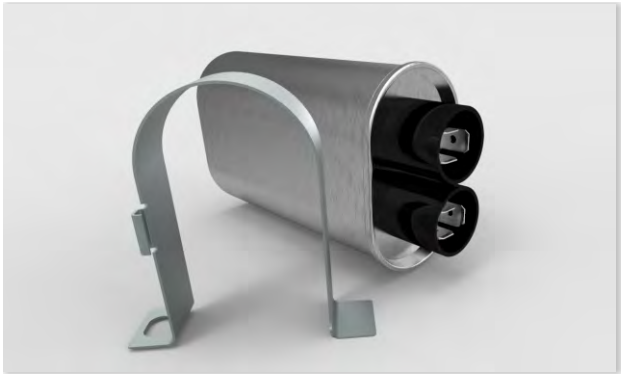
可单手操作的一体化支架和腰孔定位，安装便捷高效。
With the mounting bracket and hole can operate by one hand with high efficiency.



传统油式结构

Traditional Oil-type Structure

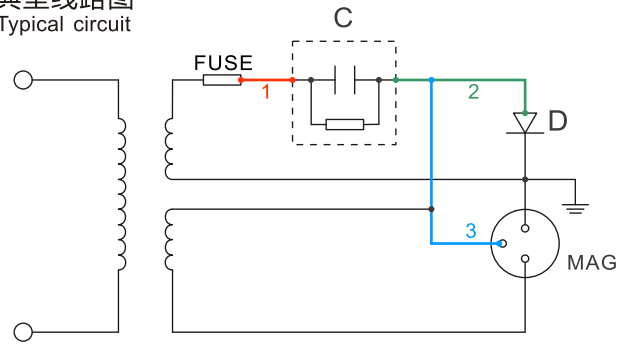
需双手作业的分体式支架，定位复杂、安装繁琐低效。
With separece bracket,need to operate by two hands, complicated and ineffective.



接线对比

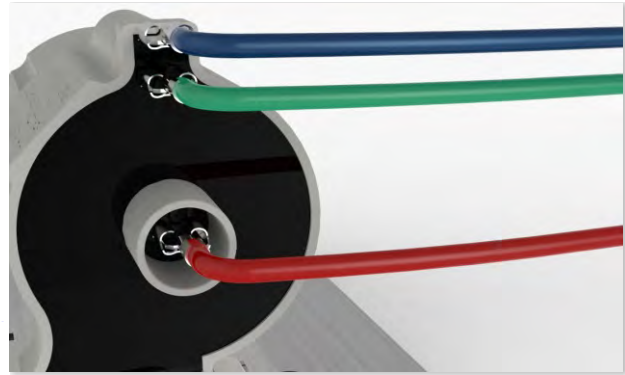
WIRE CONNECTION COMPARISON

典型线路图
Typical circuit



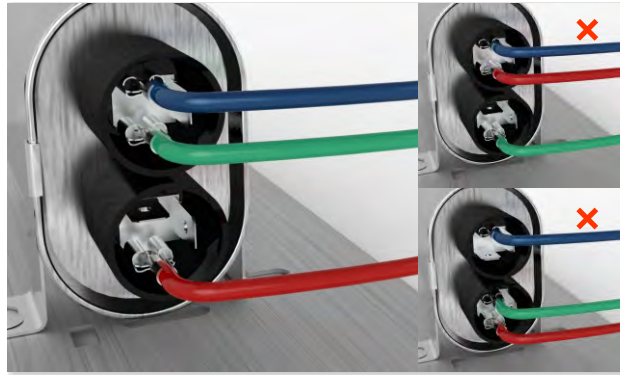
新型干式结构
New Dry-type Structure

端插对应无冗余，减少接线错误。
Fermal connect corresponding by less connect mistake.



传统油式结构
Traditional Oil-type Structure

端插数量不匹配，诱发接线错误。
Fermal quantity is not corresponded, easy to connect wrong.



配送对比

DELIVERY COMPARISON

新型干式结构
New Dry-type Structure

一体化设计，减少物料，采购配送简单，节约存转空间。
Integrated design, reduce the parts, easy to purchasing and distribution, save storage and working space.



传统油式结构
Traditional Oil-type Structure

分体式设计，物料多样，采购配送繁杂，占用存转空间。
Spliled design, increase the parts, difficult to purchasing and distribution, waste of storage and working space.

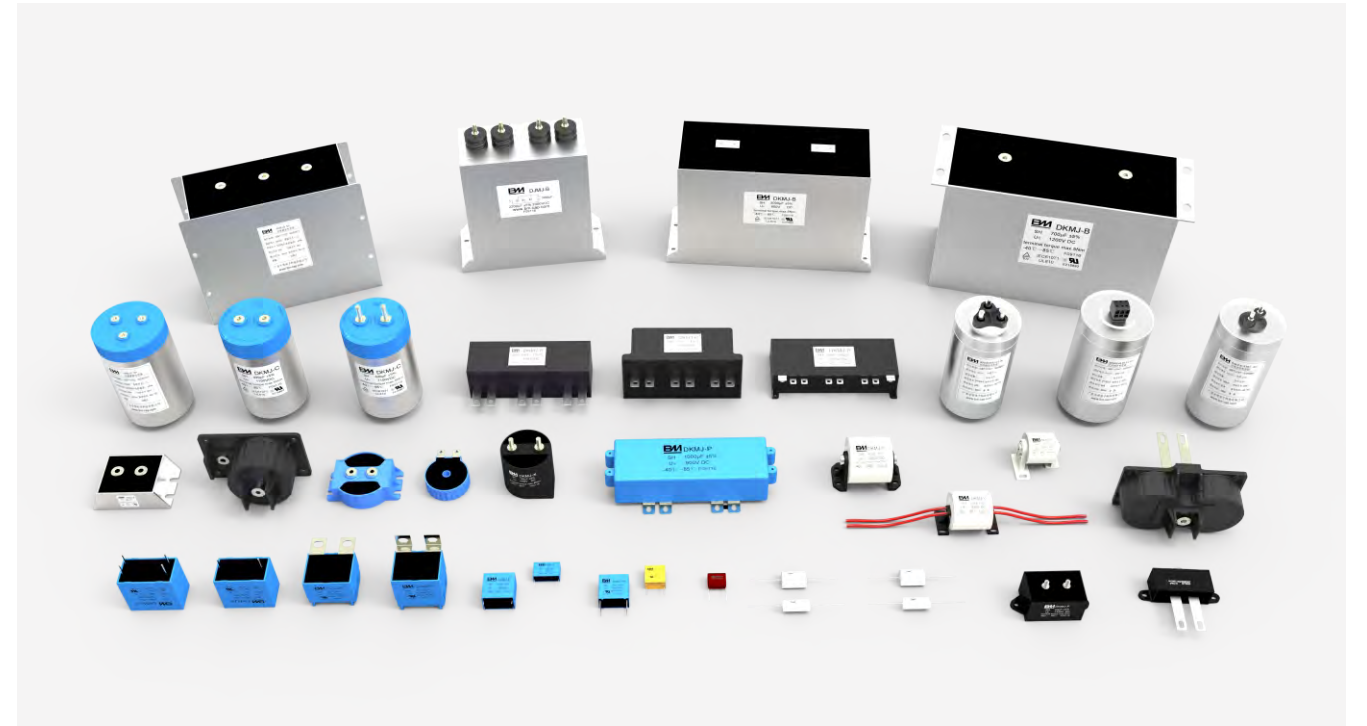


工业电容器事业部

INDUSTRIAL APPLICATION CAPACITOR DEPARTMENT

主要产品有DC-LINK电容、滤波电容、缓冲吸收电容、谐振电容、耦合隔直电容、交流滤波电容等。在风电、光伏、焊机、变频器、开关电源、电镀电源、UPS、感应加热设备等各类电力电子设备中广泛应用。

Mainly produce DC-Link capacitor, filter capacitor, snubber capacitor, resonance capacitor, coupling capacitor, AC filter capacitor and so on. It's widely used in wind power, solar power, welding machine, frequency converter, switching power supply, plating power supply, UPS, induction heating machine and other kinds of electronic equipments.



十万级净化卷绕车间
Purification winding workshop



全自动混胶机
Automatic rubber mixing machine



全自动卷绕机
Automatic winding machine



全自动喷金机
Automatic spraying machine

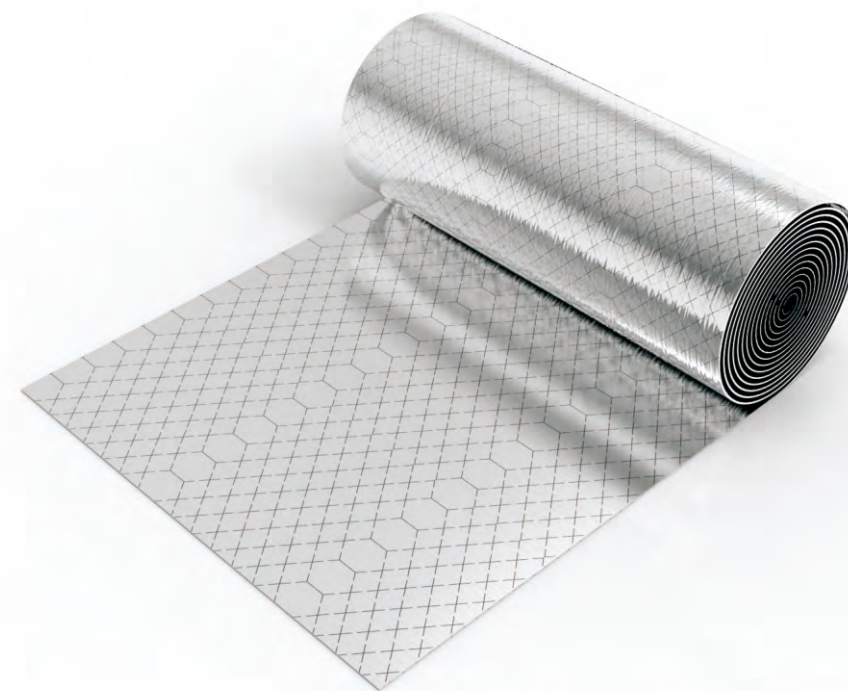


更多产品资讯，敬请登陆：www.bm-cap.com

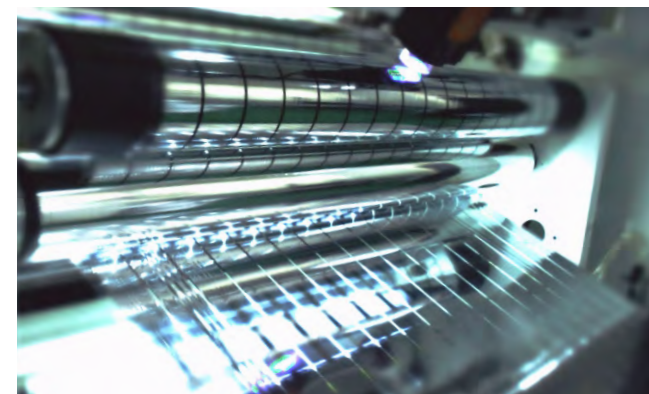


更多产品信息请参阅2021版工业分册 >>>

专业生产高方阻型、安全型、渐变型、双面型等各类金属化薄膜，在各类高品质金属化薄膜电容器中广泛应用。
Mainly produce high square resistor metallized film, safety metallized film, graded metallized film, double side metallized film. It's widely used in various high quality metallized film capacitors.



薄膜分切机
Film splitter



薄膜分切机
Film splitter

