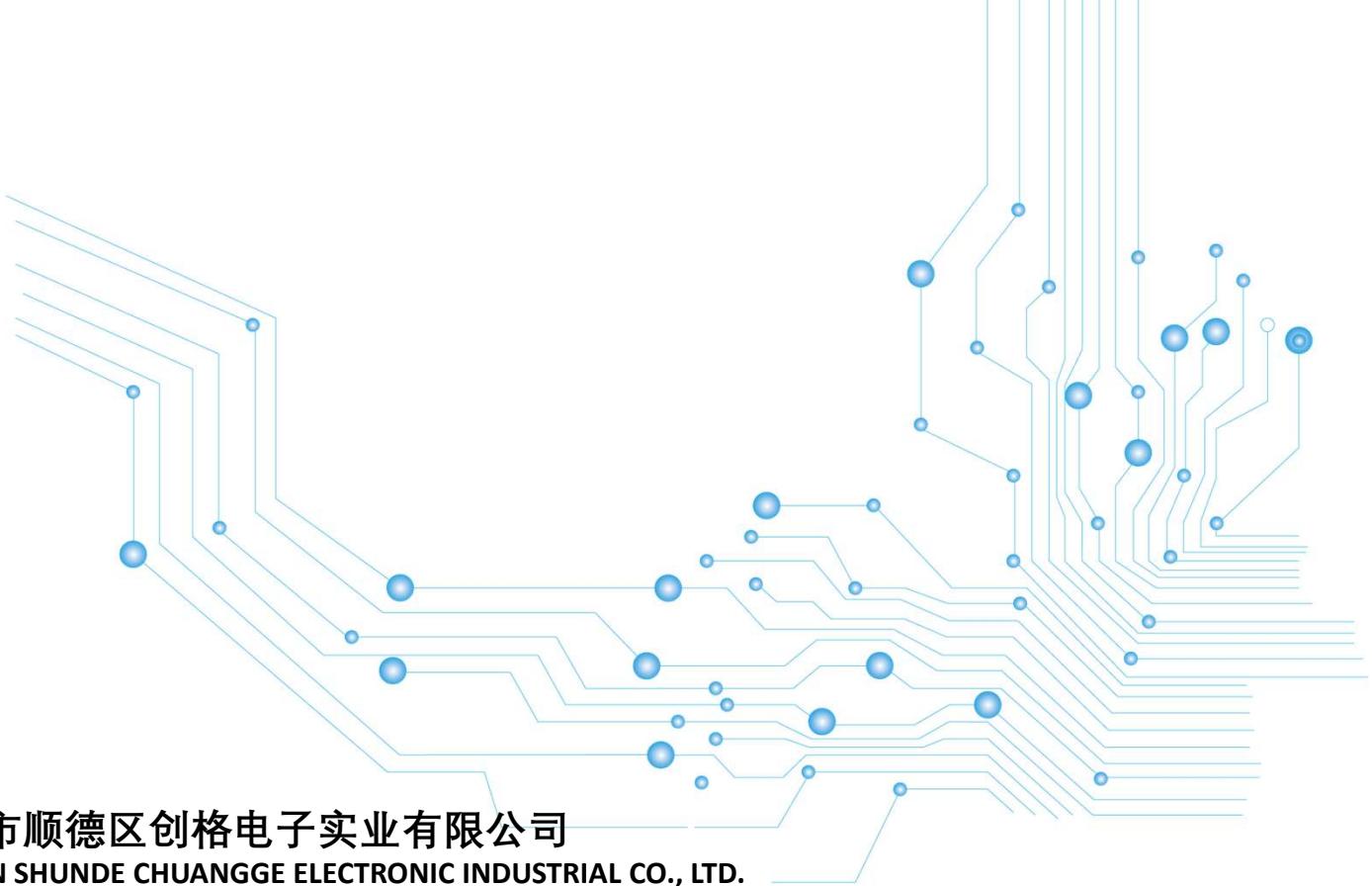




www.cgegd.com

创新引领未来

Commercial IH Capacitors 商用电磁炉专用电容器



佛山市顺德区创格电子实业有限公司

FOSHAN SHUNDE CHUANGGE ELECTRONIC INDUSTRIAL CO., LTD.

公司简介 | Profile



佛山市顺德区创格电子实业有限公司成立于1997年，是一家集研发、设计、生产、销售及售后服务于一体的大型专业薄膜电容器制造企业，产品产销量历年来在广东省一直居于同行前列。公司自建30000平方米高标准厂房，现有员工450多人，工程技术人员50多人，拥有企业工程技术研究开发中心，技术力量雄厚，研发能力强，拥有电容器领域64项专利，其中发明专利16项，实用新型专利35项，外观设计专利13项。

作为国家级高新技术企业、顺德区优质企业成长工程重点扶持企业（龙腾企业），公司获得了ISO9001质量管理体系认证、ISO14001环境管理体系认证，产品先后通过了CQC、UL、VDE、TÜV、CB等产品认证，“能源设备用电力电容器”被评为广东省名牌产品，15个系列产品先后获得广东省高新技术产品认定。

公司拥有完善的市场网络和较强的市场管理能力，生产规模和产品的市场占有率为金属化膜电容器行业居领先地位。公司注重技术创新，研发费用投入逐年增长，每年研发投入至少占销售收入的4%以上，在自主研发的同时积极同国内高校进行产学研合作，先后与华中科技大学、辽宁工业大学、广东工业大学等高校开展了广泛的合作。

公司产品一部（家电IH类）主要产品有MKP-X2、MKPH系列家用电磁炉专用电容器。优质的产品，满意的服务在家用IH行业中拥有非常好的口碑。

公司产品二部（商用、工业类）主要产品有DC-link电容器、IGBT吸收保护电容器、MKPH高压谐振、耦合电容器以及输入输出滤波电容器。广泛应用于商用电磁炉、感应加热设备、UPS、小功率逆变器、高频开关电源、焊机电源、电镀电源、大功率变频器、电动车，并在风能/太阳能发电、变流/变频设备等其他新能源行业得到广泛的应用。

公司产品三部（消费电子类）主要产品有CBB61、CBB60系列交流电动机电容，以及安规电容、分频电容、点火滤波电容、滤波器等系列。在抽油烟机、微波炉、洗衣机、办公设备等行业得到广泛的应用。

FOSHAN SHUNDE CHUANGGE ELECTRONIC INDUSTRIAL CO., LTD. was founded in 1997, is a large professional film capacitor manufacturer which is collection of R&D, design, production, sales and after-sales service in one. Production and sales volume has been in the forefront in Guangdong province in the past few years. CG Electronic has high standard workshop of 30000 square meters, staff more than 400 people, engineering technical personnel more than 50 people, with the enterprise engineering technology research and development centers. Technical force is abundant, the research and development ability is strong, with 64 patents in the field of capacitor, including 16 invention patents , 35 utility patents and 13 design patents.

As a national high-tech enterprise, obtained support of Shunde government program which named "longteng enterprises", company obtained ISO9001 quality management system certification, ISO14001 environmental management system certification, products have passed CQC, UL, VDE, TÜV, CB certification, "power capacitor for energy equipment" was rated as famous brand products in Guangdong province, seven series products has won the Guangdong high-tech products certification.

CG Electronic has perfect market network and strong ability of marketing management, production scale and product market share in the leading position in the metallized film capacitor industry. Company focus on technological innovation, R&D investment increased year by year, annual R&D investing accounts is more than 4% of sales revenue, not only independent research and development, but also cooperation with domestic colleges and universities, successively carry out extensive cooperation with Huazhong university of science and technology, liaoning university of technology, Guangdong university of technology and other colleges and universities.

Product department 1 (home appliances IH class) the main products are special MKP - X2, MKPH household induction cooker series capacitor. Won very good reputation in household IH market with high quality products and satisfactory service.

Product department 2 (commercial and industrial) main products are DC link capacitor, IGBT snubber capacitor, MKPH resonance capacitor, coupling capacitor and AC filter capacitor. It is widely applied to commercial induction cooker, induction heating equipment, UPS, small power inverter, high frequency switching power supply, power supply, plating power supply, inverter welding machine, electric cars and so on. And widely used in new energy solar and wind power system.

Product department 3 (consumption electronics), the main products are CBB61, CBB60 ac motor capacitor, X2 capacitor, CBB20 capacitor, ignition capacitor, filter module, etc. Widely used in smoke exhaust ventilator, microwave ovens, washing machines, office equipment and so on.

制造中心

生产一部

生产二部

生产三部

销售中心

家用销售一部

家用销售二部

工业销售一部

工业销售二部

海外销售部

技术中心

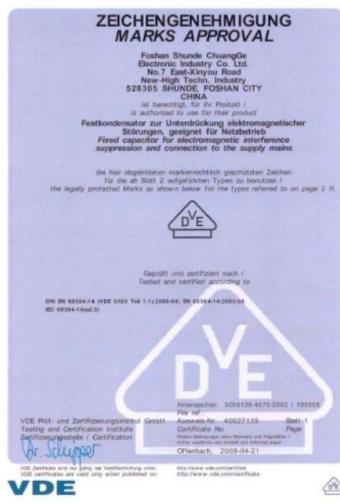
开发部

工艺部

证书 | Certifications



VDE Prüf- und Zertifizierungsinstitut



使用说明 Instruction —————— 9-11

MKP-LS	高频直流滤波电容器（方壳） High frequency DC filter capacitor (box type)	—————	12-14
MKP-LS	高频直流滤波电容器（圆形） High frequency DC filter capacitor (cylinder)	—————	15-17
MKPH-R	轴向高压谐振电容器 Axial high voltage resonance capacitor	—————	18-21
MKPH-RM	壳式高压谐振电容器 Box type high voltage resonance capacitor	—————	22-23
MKPH-RP	高压谐振电容器模组 High voltage resonance capacitor module	—————	24-27
MKP-LP	直流滤波电容器模组 DC filter capacitor module	—————	28-29

一、电子设备用薄膜电容器的标准体系

Standard system of film capacitors for electronic equipment

电子设备用固定电容器的标准体系是由基础标准、总规范、分规范、空白详细规范以及详细（即企业标准）组成。总规范规定了分规范和详细规范中使用的标准术语、检验程序和实验方法。分规范是按电容器的介质和结构分类的，它是对该类电容器规定优先额定值和特性，并从总规范中选择适当的质量评定程序、实验和测量方法，以及给出一般性能要求。空白详细规范是分规范的一种补充文件，它规定了详细规范的格式、编排和最基础的要求。

The standard system of fixed plastic film capacitor for uses in electronic equipment includes the foundational standard, generic specification, sectional specification, blank detail specification and detail specification, or manufacture specification. Generic specification specifies the terminology, inspection procedures and test methods applied in sectional and detail specifications. Sectional specification is classified according to the specific dielectrics material and construction of capacitor, it prescribes preferred rating and characteristics to select from generic specification the appropriate quality assessment procedures, tests and measuring methods and to give general performance requirements for this type of capacitor. Blank detail specification is a supplementary document to the sectional specifications and contains requirements for style layout and minimum contents of detail specifications.

薄膜电容器的标准体系，举例如下

Following please find the corresponding specification lists for plastic film capacitors.

标准号 (NO.)	标准 (Standards)
GB/T 2693 (IEC 60384-1)	第1部分：总规范 Part1:Foundational standard
GB/T 6346-14 (IEC 60384-14)	第14部分：分规范：抑制电源电磁干扰用固定电容器 Part14:Sectional specification: Fixed capacitors for electromagnetic interference suppression of power supply
GB/T 6346-1401 (IEC 60384-14-1)	第14-1部分：空白详细规范：抑制电源电磁干扰用固定电容器 评定水平D Part14-1:Blank detail specification: Fixed capacitors for electromagnetic interference suppression of power supply - Assessment level D
GB/T 10190 (IEC 60384-16)	第16部分：分规范：金属化聚丙烯膜介质直流固定电容器 Part16:Sectional specification: Fixed metallized polypropylene film dielectric DC capacitors
GB/T 10191 (IEC 60384-16-1)	第16-1部分：空白详细规范：金属化聚丙烯膜介质直流固定电容器 评定水平E和EZ Part16-1:Blank detail specification: Fixed metallized polypropylene film dielectric d.c. capacitors - Assessment levels E and EZ
GB/T 14579 (IEC 60384-17)	第17部分：分规范：金属化聚丙烯膜介质交流和脉冲固定电容器 Part17:Sectional specification: Fixed metallized polypropylene film dielectric alternating current and pulse capacitors
GB/T 14579 (IEC 60384-17-1)	第17-1部分：空白详细规范：金属化聚丙烯膜介质交流和脉冲固定电容器 评定水平E和EZ Part17-1:Blank detail specification: Fixed metallized polypropylene film dielectric alternating current and pulse capacitors - Assessment levels E and EZ

三、标准术语

1、上限类别温度

电容器设计所确定的能连续工作的最高环境温度

2、下限类别温度

电容器设计所确定的能连续工作的最低环境温度

3、额定温度

可以连续施加额定电压的最高环境温度

4、额定电压

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

5、类别电压

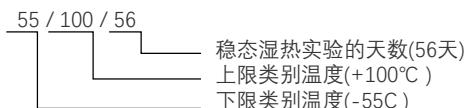
电容器在上限类别温度下可以连续施加在电容器上的最高电压

6、温度降额电压

温度降额电压是在额定温度和上限类别温度之间的任一温度下，可以连续施加在电容器上的最高电压

7、气候类别

电容器所属的气候类别用斜线分隔的三个数来表示
(IEC 6068-1:如55/100/56)



8、损耗角正切

在规定频率的正弦波电压作用下，电容器的损耗功率除以电容器的无功功率

9、绝缘电阻 (I.R) /时间常数 (t)

绝缘电阻为电容器充电一分钟后所加的直流电压和流经电容器的漏电流值的比值，单位为MΩ，时间常数为绝缘电阻和电容器的乘积，通常以秒表示

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

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

典型特性、应用、以及特性曲线

1、聚丙烯薄膜特性

损耗极低

介质吸收系数低

绝缘电阻高

频率特性好

自愈特性好

稳定性很好

三、Terminologies

1、Upper Category Temperature

The highest environmental determined by capacitors designand in which capacitor may continuously work

2、Lower Category Temperature

The lowest environmental temperature determined by Capacitor design and in which capacitor may continuously work

3、Rated Temperature

The highest environmental temperature in which capacitor applied continuously with the rated voltage

4、Rate voltage

The maximum D.C voltage or peak value of pulse voltage that can be applied continuously to capacitor at any temperaturebetween lower category temperature and rated temperature

5、Category Voltage

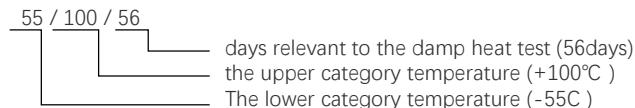
The maximum voltage that can be applied continuously to capacitor at upper category temperature

6、Temperature Derated Voltage

The maximum voltage that can be applied continuously to capacitor at Any temperature between rated temperature and upper category temperature

7、Climatic Category

The climatic category which the capacitor belongs to is expressed in three numbers separated by slashes, (IEC 6068-1:example 55/100/56)



8、Dissipation factor

The dissipation factor is ratio between reactive power of the impedance of the capacitor and effective power when capacitor is submitted a sinusoidal voltage of specified frequency

9、Insulation Resistance (I.R) Time Constant (t)

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

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

In general, insulation resistance is used for describing smaller capacitance Capacitors' insulation character , time constant for describing larger one's (example : CN>0.33μF)

Typical Properties、Applications and Typica graphs

1、Polypropylene Film

Very low dissipation factor

Very low dielectric absorption

Very high insulation resistance

Good behavior in frequency

Excellent self-healing properties

Very good stability

典型特性、应用、以及特性曲线

2、典型应用

高频脉冲应用

大电流场合

交流场合

高稳定的定时场合

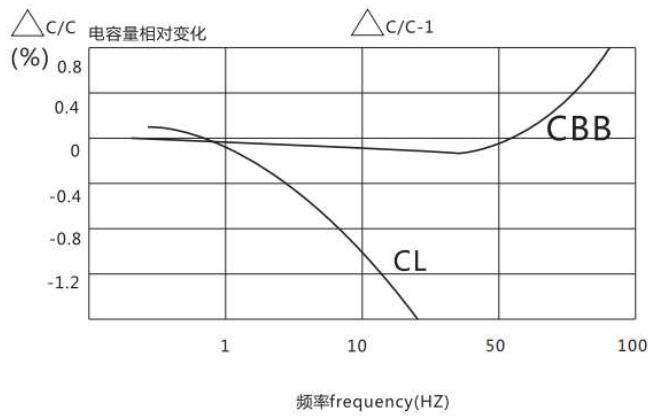
开关电源系统和彩电行业

照明行业

工控行业

高Q滤波

3、特性曲线



Typical Properties、Applications and Typical graphs

2、Typical Applications

High frequency, pulse applications

High current

A.C. applications

Timing with high stability

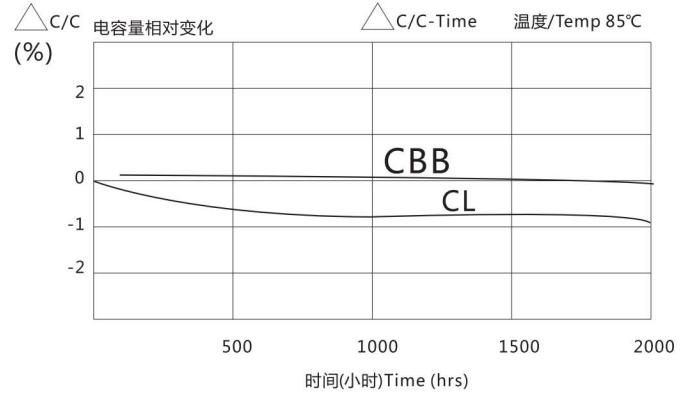
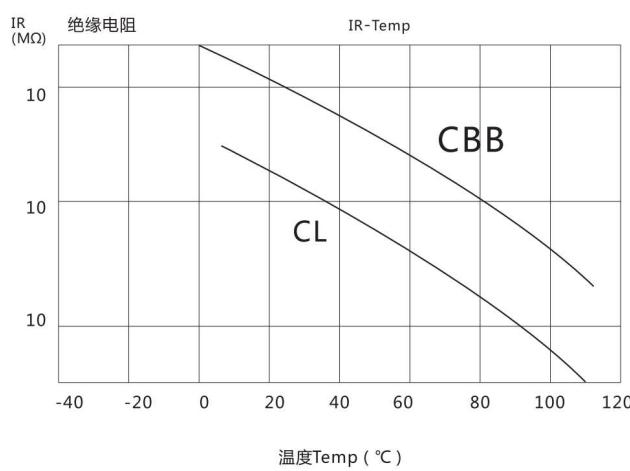
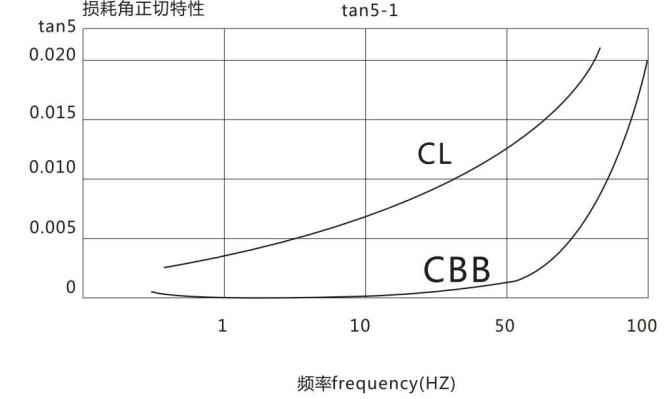
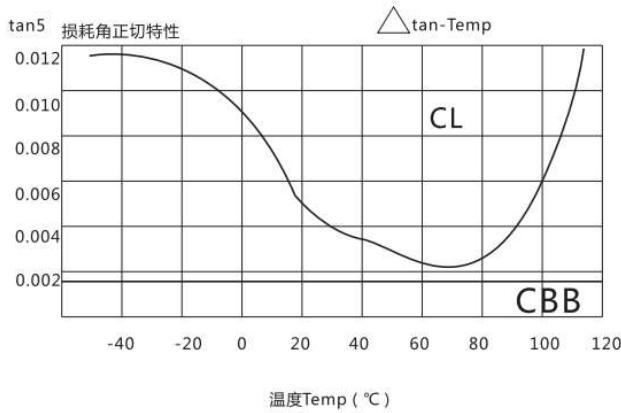
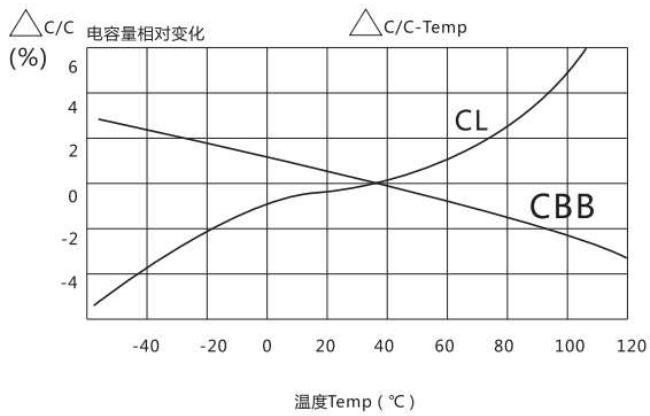
SMPS and TV set

lighting

Industrial

Filtering high Q

3、Typical graphs

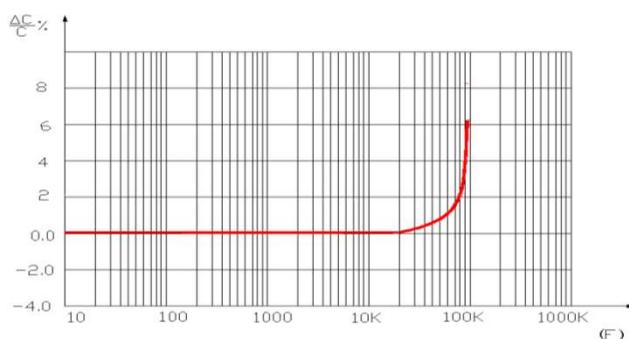


CBB-----聚丙烯薄膜 (Polypropylene Film)

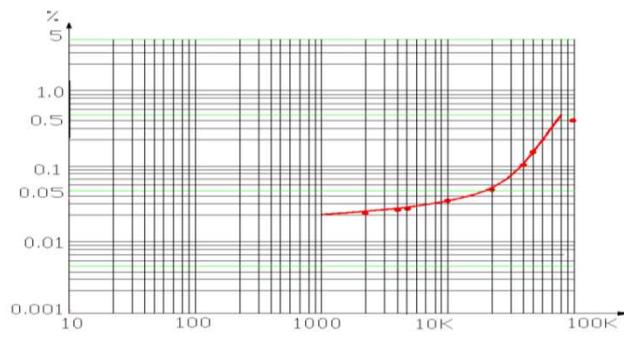
CL-----聚酯薄膜 (Polyester Film)

特性曲线

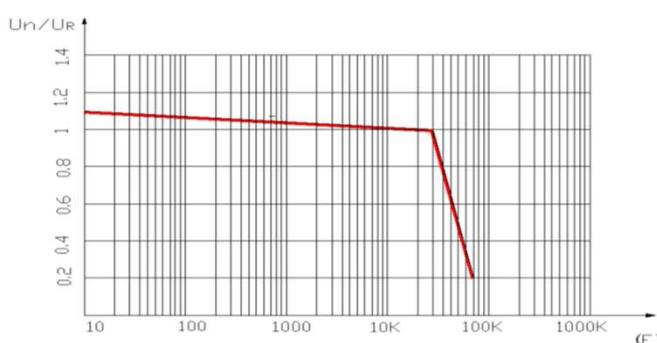
Typical graphs



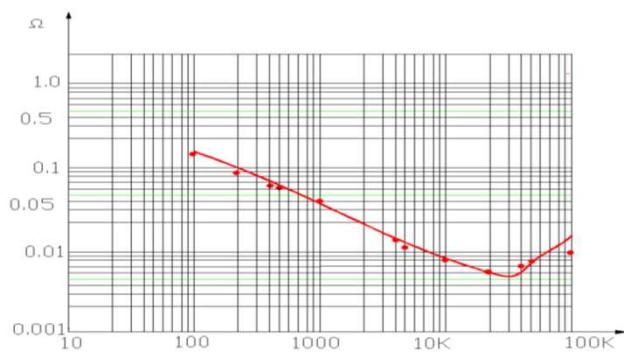
容量变化与频率特性曲线图



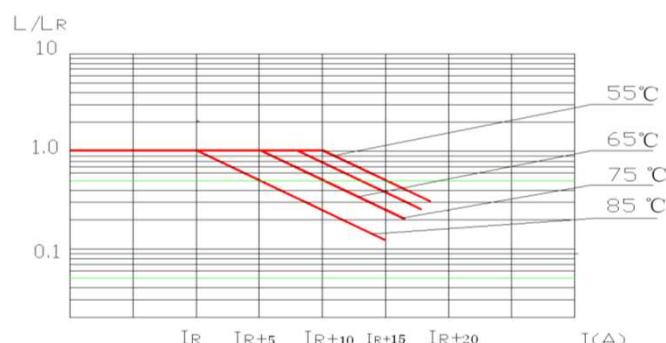
损耗角正切值与频率特性曲线图



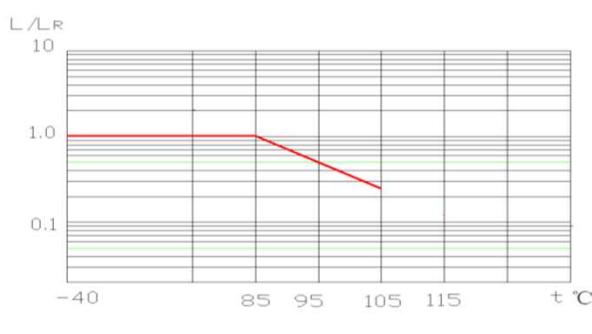
电压变化与频率特性曲线图



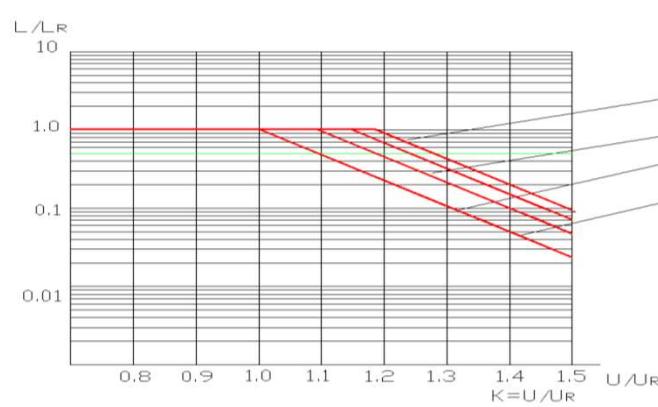
等效串联电阻与频率特性曲线图



电流温度寿命曲线图



温度寿命曲线图



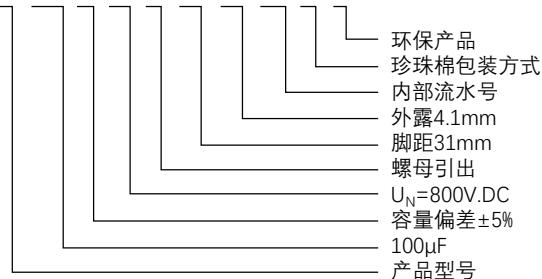
电压温度寿命曲线图

产品编码说明 Part number system

19位产品代码如下 The 19 digits part number is formed as follow

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
C	G	L	L	1	0	7	J	8	A	M	3	B	4	1	0	1	P	G

例如：CGLL 107 J 8A M 3B 41 01 P G



第 1 ~ 4 位	型号代码	(附表1)
第 5 ~ 7 位	额定容量	(附表2)
第 8 位	容量偏差	(附表3)
第 9 ~ 10 位	额定电压	(附表4)
第 11 位	引线形态	(附表5)
第 12 ~ 13 位	引线脚距	(附表6)
第 14 ~ 15 位	引线外露长度	(附表7)
第 16 ~ 17 位	内部流水号	-----
第 18 位	产品包装方式	(附表8)
第 19 位	产品环保标识	(附表9)

附表1: 型号代码 (第3位)

应用场合	谐振类	吸收保护类	直流支撑类	高频直流滤波类
代码	R	S	L	F
应用场合	单相交流滤波	三相三角形交流滤波	三相星型交流滤波	脉冲电容
代码	A	B	Y	H

附表2: 型号代码 (第4位)

封装方式	小塑料方壳	轴向包胶圆形	轴向包胶扁形	轴向塑壳	轴向金属壳	圆形铝壳
代码	M	C	B	D	S	L
封装方式	圆形塑壳	商用塑壳	定制方形塑壳	定制方形金属壳		
代码	K	P	F	G		

附表3: 额定容量代码 (第5~7位)

额定容量	100μF	10μF	5μF	0.15μF
代码	107	106	505	154
解析	107=10*10 ⁷ pF=100μF	106=10*10 ⁶ pF=10μF	505=50*10 ⁵ pF=5μF	154=15*10 ⁴ pF=0.15μF

备注：容量只表示前两位，后面位数不做表示，且以前两位数字进行编码，不做四舍五入。

例：100 ~ 109μF代码均为“107”；1201 ~ 1299μF代码为“128”。

附表4: 容量偏差代码 (第8位)

容量偏差	±5%	±10%	±20%
代码	J	K	M

附表5: 额定电压代码 (第9~10位)

	A	B	C	D	E	F	G	H	J	K	L	M	N	P
1	150	1000	1100	1200	1250	1300	1400	1500	1600	1700	1800	10000	12000	15000
2	200	250	275	2000	2200	2300	2500	2800	20000					
3	300	305	310	330	350	380	3000	3300	3500					
4	400	415	440	450	480	4000	4500							
5	500	525	540	550	560	5000	5500							
6	600	630	650	690	6000	6300	6500							
7	700	750	760	7000	7500									
8	800	850	8000	8500										
9	900	950	9000											

备注：字母加数字表示交流；例：C2表示275V.AC；

数字加字母表示直流；例：4A表示400V.DC；

附表6：引出形态代码（第11位）

引出形态	单针	双针	三针			
代码	N	F	E			
引出形态	直插片	单折插片	双折插片	三折插片		
代码	A	B	C	D		
引出形态	螺母(圆形)	螺栓	软线	扣式	特殊引出	
代码	M	W	L	K	X	

附表7：引线脚距代码（12~13位）

	A	B	C	D	E	F	G	H	J	K
0	无意义									
1	10	15								
2	20	21.5	22	22.5	23	24.5	25	25.4	26	26.5
3	30.5	31	31.5	32	32.5	33	33.5	34	34.5	35
4	40	41	41.5	42	43	44	45	49		
5	50	51.5	52.5	53	54	55	56	57	58	59
6	60	61	62	64	65	66	68	69		
7	72	73	74	75	79					
8	80	83	84	88						
9	90	98	99							
	L	M	N	P	Q	R	S	T	U	
0										
1										
2	27	27.5	28	25(22~28)	27.5+10					
3	36	37	37.5	38	39	37.5+10	37.5+20	38+10	38+20	
4	23+36	28+36	28+28	28+40						
5	52.5+10	52.5+20								
6										
7										
8										
9	100	120	150							

备注：1、数字+字母表示对应脚距，例如：1B表示脚距为15mm；
 2、如引出不用标识脚距，选0A；
 3、特殊脚距采用代码“XX”表示。

附表8：引线外露代码（第14~15位）

1、外露<10mm以内取对应数字，如下表

引线外露(mm)	3.5	3.8	4	4.1	5	5.1	6	7.5	7.8	8	8.5	9	9.5
代码	35	38	40	41	50	51	60	75	78	80	85	90	95

2、外露≥10mm，第14位按下表，第15位按实际数字；

外露(mm)	10+	20+	30+	40+	50+	60+	70+	80+	90+
代码	A	B	C	D	E	F	G	H	J

例如：外露55用E5表示；

3、外露≥100mm，第14位按下表，第15位按实际数字表示十位数，个位数不做表示；

外露(mm)	100+	200+	300+	400+	500+				
代码	K	L	M	N	P				

备注：外露只表示前两位，后面位数不做表示，且以前两位数字进行编码，不做四舍五入。

例：100~109mm代码均为“K0”；220~229mm代码均为“L2”。

4、无需标识外露，用“00”代码。

电容器-详细技术规范

附表9: 产品包装方式代码 (第18位)

产品包装方式	纸盘	胶盘	套管	散装	编带		
代码	P	T	S	B	F		

附表10: 产品是否环保 (第19位)

产品是否环保	环保	非环保
代码	G	N

MKP-LS 系列

产品介绍 | Product introduction

金属化聚丙烯薄膜卷绕而成，无感结构，阻燃塑料外壳封装，铜插片或铜螺母引出。
It is made of metallized polypropylene film, non inductive structure, flame retardant plastic shell package, copper Insert or copper nut lead out.

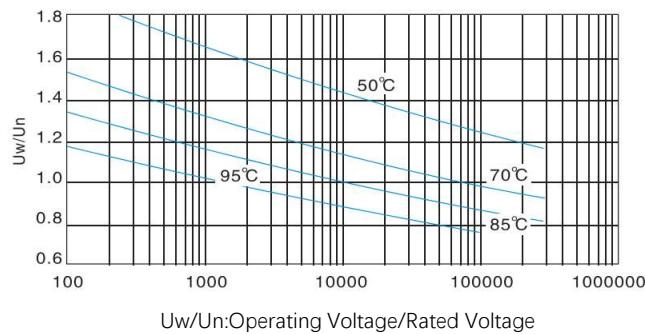
特点 | Characteristic

- 体积小 | Small volume
- 电流大 | The current is high
- 温升低 | Low temperature rise
- 杂散电感小 | Small stray inductance
- 长寿命 | Long life
- 无感结构 | Insensible structure
- 性价比高 | High cost performance

性能指标 | Performance index

引用标准 Reference	GB/T17702 IEC61070
容量范围 Capacitance range	1~150μF
容量偏差 Capacitance tolerance	±5% (J) ±10% (K)
电压范围 Voltage	400V.DC~1600V.DC
极间耐压 U _{T-T}	1.5Un/10s
过电压 Over voltage	1.1Un (30% of on-load-dur.) 1.15Un (30min/day) 1.2Un (5min/day) 1.3Un (1min/day)
介质损耗角 tg δ ₀	tg δ ₀ ≤0.0002
绝缘电阻 Insulation resistance	≥5000s (20°C±5°C 100V.DC 60s)
耐电流冲击能力 dv/dt	> 50V/μS
气候类别 Climatic category	40/85/21
工作温度范围 Operating temperature	-40°C~85°C (θh.s≤85°C)
储存温度范围 Storage temperature	-40°C~85°C
最大电极扭矩 Torque of terminals	M6:3.5N.m M8:6N.m
使用海拔 Max. Altitude	< 4000m
预期寿命 Lifetime expectancy	100000h (θh.s≤70°C)
封装形式 Encapsulation	塑料外壳，黑色或者白色环氧 Plastic case, black or white epoxy
阻燃性 Flame retardancy	UL94V-0

预期使用寿命 | Lifetime expectancy for MKP-LS



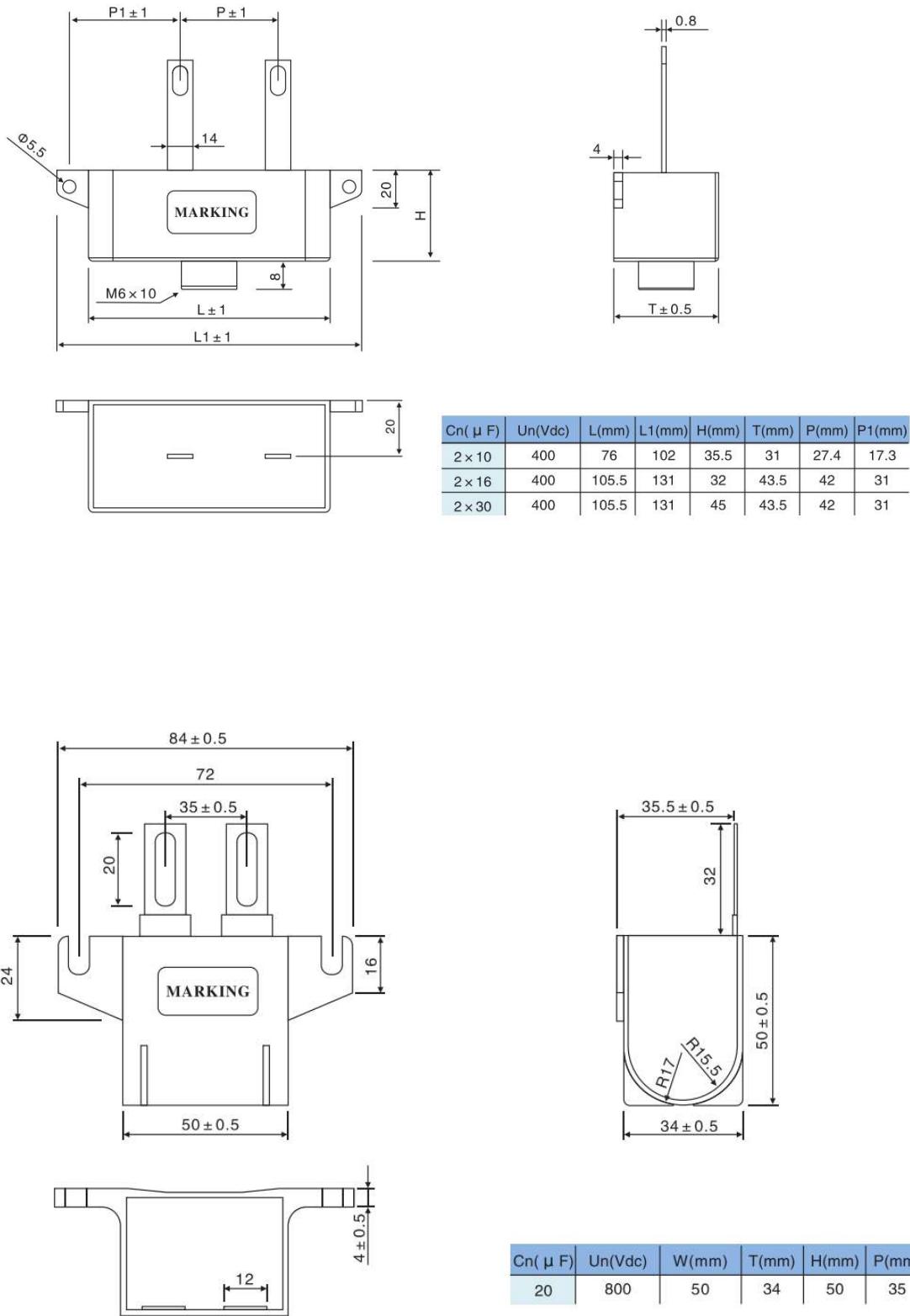
应用场合 | Application occasion

用于UPS、小功率变频器、逆变器、电镀电源、逆变焊机、感应加热等电力电子设备。
It is used for UPS, low power inverter, inverter, electroplating power supply, inverter welding machine, induction heating and other power electronic equipment.



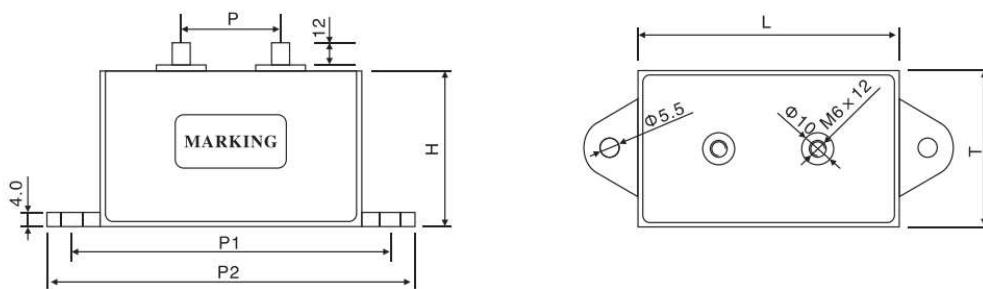
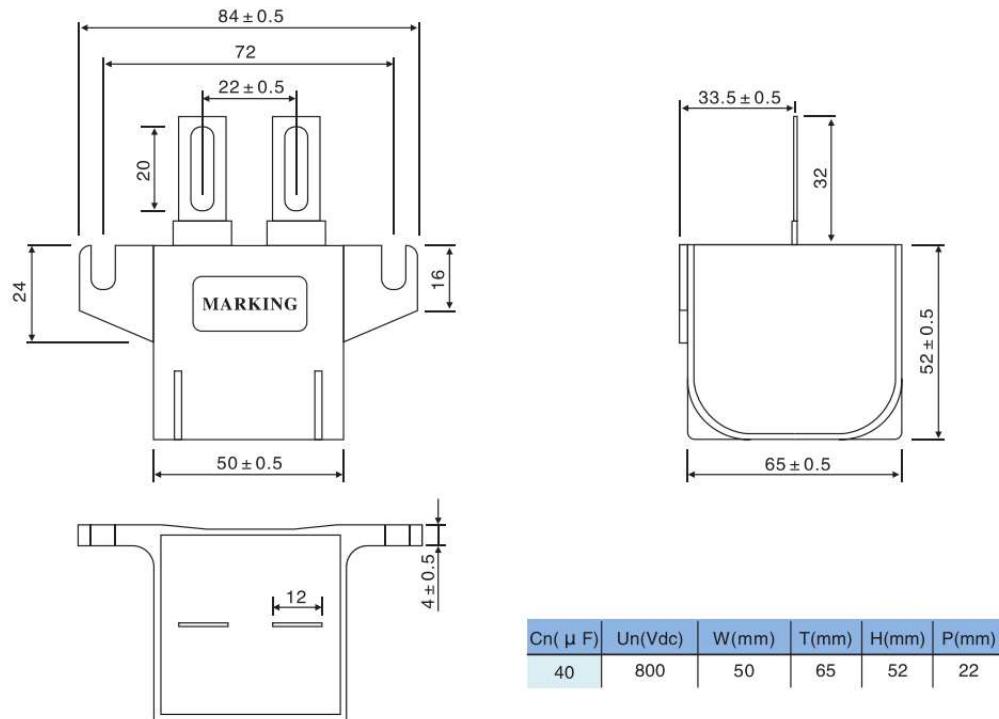
MKP-LS 系列

产品外型图 | Product outline



MKP-LS 系列

产品外型图 | Product outline



$C_n(\mu F)$	$U_n(Vdc)$	L(mm)	T(mm)	H(mm)	P(mm)	P1(mm)	P2(mm)
30	800	75	50	44	28	99.5	105
40	800	75	50	44	27.2	99.5	105

MKP-LS 系列

产品介绍 | Product introduction

金属化聚丙烯薄膜卷绕而成，无感结构，阻燃塑料外壳封装，镀锡铜线、铜插片或铜螺母引出。
It is made of metallized polypropylene film, non inductive structure, flame retardant plastic shell package, plating Lead out tin copper wire, copper insert piece or copper nut.

特点 | Characteristic

- 体积小 | Small size
- 电流大 | The current is high
- 温升低 | Low temperature rise
- 杂散电感小 | Small stray inductance
- 长寿命 | Long life
- 无感结构 | Sensor less structure
- 性价比高 | High cost performance

应用场合 | Application occasion

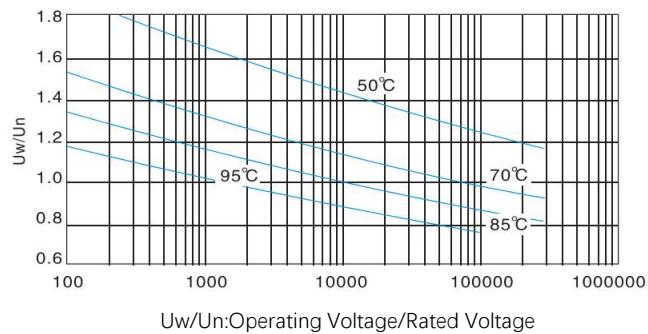
用于UPS、小功率变频器、逆变器、电镀电源、逆变焊机、感应加热等电力电子设备。
It is made of metallized polypropylene film, non inductive structure, flame retardant plastic shell package, copper Insert or copper nut lead out.



性能指标 | Performance index

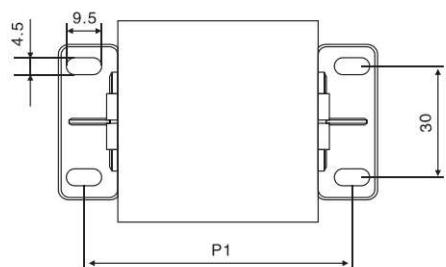
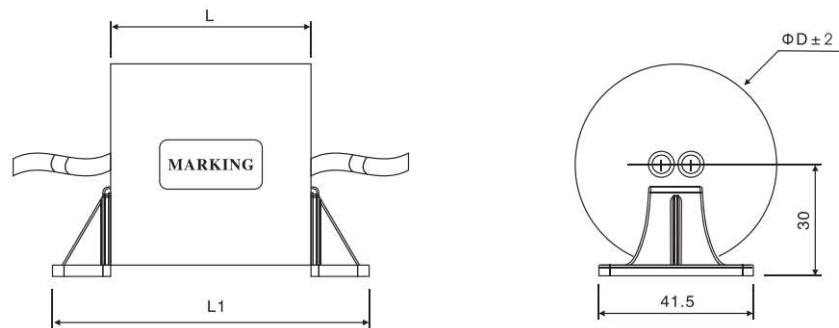
引用标准 Reference	GB/T17702 IEC61070
容量范围 Capacitance range	1~150μF
容量偏差 Capacitance tolerance	±5% (J) ±10% (K)
电压范围 Voltage	400V.DC~1600V.DC
极间耐压 U _{T-T}	1.5Un/10s
过电压 Over voltage	1.1Un (30% of on-load-dur.) 1.15Un (30min/day) 1.2Un (5min/day) 1.3Un (1min/day)
介质损耗角 tg δ ₀	tg δ ₀ ≤0.0002
绝缘电阻 Insulation resistance	≥5000s (20°C±5°C 100V.DC 60s)
耐电流冲击能力 dv/dt	> 50V/μS
气候类别 Climatic category	40/85/21
工作温度范围 Operating temperature	-40°C~85°C (θh.s≤85°C)
储存温度范围 Storage temperature	-40°C~85°C
最大电极扭矩 Torque of terminals	M6:3.5N.m M8:6N.m
使用海拔 Max. Altitude	< 4000m
预期寿命 Lifetime expectancy	100000h (θh.s≤70°C)
封装形式 Encapsulation	迈拉胶带, 黑色或者白色环氧 Mylar tape, black or white epoxy

预期使用寿命 | Lifetime expectancy for MKP-LS



MKP-LS 系列

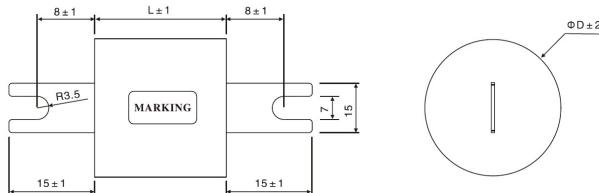
产品外型图 | Product outline



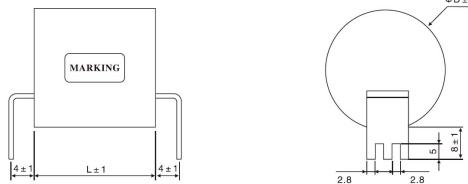
Cn(μ F)	Un(Vdc)	Φ D(mm)	L(mm)	L1(mm)	P1(mm)
30	600	45	44	75	62
60	700	54	54	85	72

引出：长度为400mm (± 10) 的4平方软铜线，剥头18±5mm

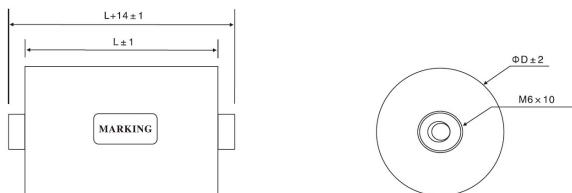
直插铜片引出/A



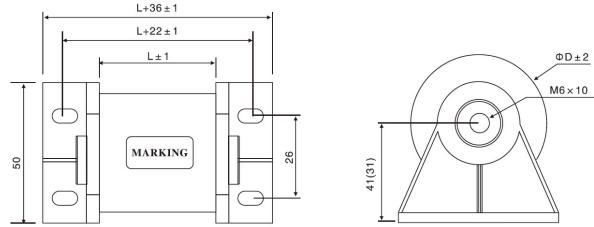
双折铜片引出/B



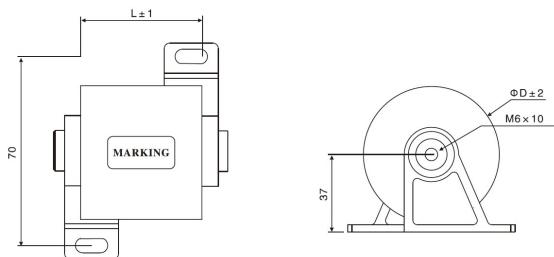
螺母引出/C



螺母引出 (支架) /D



螺母引出 (支架) /E



MKP-LS 系列

产品规格尺寸 | Product specifications and dimensions

Un	C _N (μF)	Φd (mm)	L (mm)	ESR (mΩ)	ESL (nH)	dv/dt (V/μs)	Ipk (A)	Irms (A)	Part Number	新代码/New Part Number
400	20	36	40	2.4	25	60	1200	25	C2060400311--	CGKP206J4AX6A00**PN
	20	50	60	4.2	25	50	1000	40	C2060400311--	CGKP206J4AX7C00**PN
	30	44	40	1.6	25	60	1800	30	C3060400311--	CGKP306J4AX7C00**PN
	80	62	50	0.6	35	50	4000	45	C8060400311--	CGKP806J4AX5E00**PN
	100	61	60	0.5	40	45	4500	45	C1070400311--	CGKP107J4AX5E00**PN
	150	74	60	0.3	40	45	6750	60	C1570400311--	CGKP157J4AX5E00**PN
600	4.7	43	44	2.0	20	1000	4700	40	C4750600311--	CGKP475J6AX5K00**PN
	15	38	40	3.2	25	60	900	30	C1560600311--	CGKP156J6AX5E00**PN
	20	43	40	2.4	25	60	1200	35	C2060600311--	CGKP206J6AX5E00**PN
	30	53	40	1.6	25	60	1800	40	C3060600311--	CGKP306J6AX5E00**PN
	40	61	40	1.2	25	60	2400	45	C4060600311--	CGKP406J6AX5E00**PN
	50	68	40	1.2	25	60	3000	50	C5060600311--	CGKP506J6AX5E00**PN
	60	64	50	0.8	35	50	3000	50	C6060600311--	CGKP606J6AX6E00**PN
	100	82	60	0.5	35	50	5000	60	C1070600311--	CGKP107J6AX8A00**PN
800	20	47	60	1.5	30	50	330	50	C2060800311--	CGKP206J8AX5K00**PN
	20	72	70	3.8	30	50	1000	60	C2060800311--	CGKP206J8AX8B00**PN
	30	56	40	8.0	30	50	1500	45	C3060800311--	CGKP306J8AX5E00**PN
	30	48	50	1.2	30	50	1500	50	C3060800311--	CGKP306J8AX6D00**PN
	40	54	50	3.0	30	50	2000	50	C4060800311--	CGKP406J8AX6D00**PN
	40	72	40	3.2	25	25	1000	65	C4060800311--	CGKP406J8AX5E00**PN
	50	43	60	2.4	30	20	1000	30	C5060800311--	CGKP506J8AX7C00**PN
	50	53	50	2.0	30	50	2500	45	C5060800311--	CGKP506J8AX6E00**PN
	60	64	65	2.5	30	50	1000	60	C6060800311--	CGKP606J8AX6E00**PN
	60	64	50	2.5	30	50	1000	60	C6060800311--	CGKP606J8AX6E00**PN
	80	62	50	2.0	25	20	1600	55	C8060800311--	CGKP806J8AX6E00**PN
	100	73	60	1.0	30	20	2000	80	C1070800311--	CGKP107J8AX8A00**PN
1000	20	67	30	3.4	20	50	1000	60	C2061200311--	CGKP206J1BX4H00**PN
	20	58	40	3.4	25	50	1000	50	C2061000311--	CGKP206J1BX5E00**PN
	30	69	37	3.2	20	50	1500	60	C3061000311--	CGKP306J1BX5F00**PN
	30	62	40	3.2	25	50	1500	55	C3061000311--	CGKP306J1BX5E00**PN
	40	81	40	2.4	25	50	2000	80	C4061000311--	CGKP406J1BX5E00**PN
	40	75	41	3.5	28	50	2000	65	C4061000311--	CGKP406J1BX5E00**PN
1200	60	75	60	1.7	30	20	1200	55	C6061000311--	CGKP606J1BX8A00**PN
	10	42	40	3.8	25	50	500	40	C1061200311--	CGKP106J1DX5E00**PN
	20	50	50	3.2	20	50	1000	45	C2061200311--	CGKP206J1DX6D00**PN
	20	81	41	4.0	25	100	2000	80	C2061200311--	CGKP206J1DX5F00**PN
	30	61	50	2.5	20	50	240	50	C3061200311--	CGKP306J1DX6D00**PN
	30	88	40	2.6	25	50	1500	80	C3061200311--	CGKP306J1DX5E00**PN
	50	69	60	1.9	30	50	240	50	C5061200311--	CGKP506J1DX7C00**PN
	50	86	125	1.5	40	50	450	60	C5061200311--	CGKP906J1DX3A00**PN

注:以上参数仅做参考,以实际图纸为准。

Note: the above parameters for reference only, see the drawing for details.

MKPH-R 系列

产品介绍 | Product introduction

金属化聚丙烯薄膜卷绕而成，迈拉胶带或塑料外壳封装，铜螺母引出。
It is made of metallized polypropylene film, packaged with Mylar tape or plastic shell, and led out by copper nut.

应用场合 | Application occasion

用于各类中、高频电子设备的串、并联LC谐振电路。
It is used for series and parallel LC resonant circuits of various medium and high frequency electronic equipment.

特点 | Characteristic

- 体积小 | Small size
- 杂散电感小 | Small stray inductance
- 过电流能力强 | Strong over current capability
- 稳定性好 | Good stability
- 可靠性高 | High reliability
- 无感结构 | Non inductive structure
- 安装简单方便 | The installation is simple and convenient

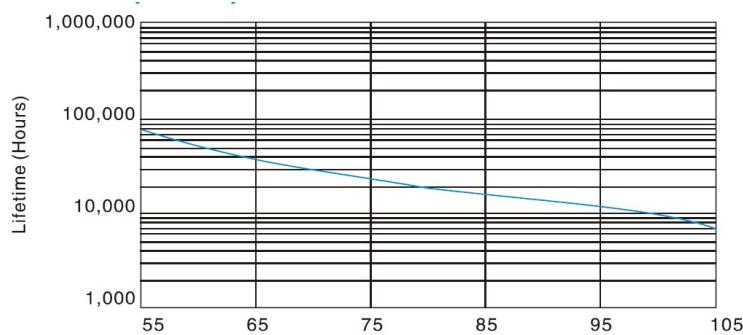


性能指标 | Performance index

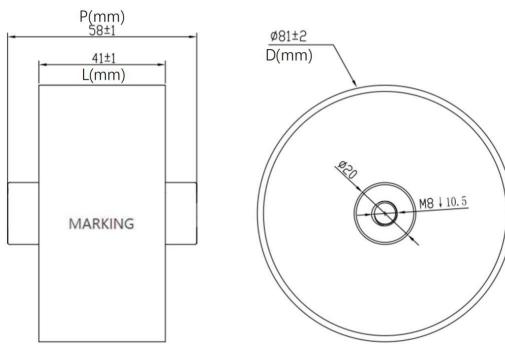
引用标准 Reference	GB/T3984 IEC60110
容量范围 Capacitance range	0.1~10μF
容量偏差 Capacitance tolerance	±5% (J) ±10% (K)
电压范围 Voltage	400V.AC~1600V.AC
极间耐压 U _{T-T}	2Un/10s
过电压 Over Voltage	1.05Un (12h/day)
可重复峰值电压 Repeatable Peak Voltage	1.5Un
过度状态瞬间电压 Transient State Voltage	3Un
额定有效电流 Rated Effective Current	20~100A
最大允许电流 Maximum Permissible Current	1.2In (60Hz)
	1.15In (> 60Hz)
损耗角正切 tg δ	tg δ ₀ ≤0.0005 (10kHz 20°C)
绝缘电阻 RiX Cn	Cn≤0.33μF≥15000MΩ
	Cn≤0.33μF≥10000s
耐电流冲击能力 dv/dt	> 20V/μS
工作温度范围 Operating temperature	-40°C~85°C/105°C
储存温度范围 Storage temperature	-40°C~85°C
使用海拔 Max. Altitude	< 4000m
预期寿命 Lifetime expectancy	30000h (θh.s≤70°C)
封装形式 Encapsulation	迈拉胶带或塑料外壳封装，白色环氧或者黑色环氧 Mylar tape or plastic package, white epoxy or black epoxy

MKPH-R 系列

预期使用寿命 | Lifetime expectancy for MKPH-R



产品外型图 | Product outline



产品规格尺寸 | Product specifications and dimensions

Un=3000V.DC Utt=4500V.DC CGRD P=55MM											Part Number	新代码/New Part Number
C _N (μF)	ΦD (mm)	L (mm)	P (mm)	Nut (mm)	Φd (mm)	ESR (mΩ)	ESL (nH)	Irms (A)	Dv/Dt (V/μS)			
0.44	65	41	55	Φ15	M6	7.2	25	60A	1000	S444300041102	CGRD 444 J 3G M 5F 00 02 P N	
0.47	65	41	55	Φ15	M6	7.0	25	60A	1000	S474300041102	CGRD 474 J 3G M 5F 00 02 P N	
0.50	65	41	55	Φ15	M6	6.4	25	60A	1000	S504300041102	CGRD 504 J 3G M 5F 00 02 P N	
0.55	65	41	55	Φ15	M6	5.8	25	60A	1000	S554300041102	CGRD 554 J 3G M 5F 00 02 P N	
0.60	65	41	55	Φ15	M6	5.3	25	60A	1000	S604300041104	CGRD 604 J 3G M 5F 00 04 P N	
0.65	65	41	55	Φ15	M6	4.9	25	60A	1000	S654300041104	CGRD 654 J 3G M 5F 00 04 P N	
0.55	70	41	55	Φ15	M6	5.8	25	65A	1000	S554300041103	CGRD 554 J 3G M 5F 00 03 P N	
0.60	70	41	55	Φ15	M6	5.3	25	65A	1000	S604300041105	CGRD 604 J 3G M 5F 00 05 P N	
0.65	70	41	55	Φ15	M6	4.9	25	65A	1000	S654300041105	CGRD 654 J 3G M 5F 00 05 P N	
0.70	70	41	55	Φ15	M6	4.5	25	65A	1000	S704300041106	CGRD 704 J 3G M 5F 00 06 P N	
0.75	70	41	55	Φ15	M6	4.2	25	65A	1000	S754300041105	CGRD 754 J 3G M 5F 00 05 P N	
0.80	70	41	55	Φ15	M6	4.0	25	65A	1000	S804300041105	CGRD 804 J 3G M 5F 00 05 P N	
0.85	70	41	55	Φ15	M6	3.8	25	65A	1000	S854300041105	CGRD 854 J 3G M 5F 00 05 P N	
0.90	70	41	55	Φ15	M6	3.5	25	65A	1000	S904300041105	CGRD 904 J 3G M 5F 00 05 P N	
0.60	75	41	55	Φ20	M8	5.3	25	70A	1000	S604300041103	CGRD 604 J 3G M 5F 00 03 P N	
0.65	75	41	55	Φ20	M8	4.9	25	70A	1000	S654300041103	CGRD 654 J 3G M 5F 00 03 P N	
0.70	75	41	55	Φ20	M8	4.5	25	70A	1000	S704300041104	CGRD 704 J 3G M 5F 00 04 P N	

MKPH-R 系列

产品规格尺寸 | Product specifications and dimensions

Un=3000V.DC Utt=4500V.DC CGRD P=55MM											
C _N (μF)	ΦD (mm)	L (mm)	P (mm)	Nut (mm)	Φd (mm)	ESR (mΩ)	ESL (nH)	Irms (A)	Dv/Dt (V/μS)	Part Number	新代码/New Part Number
0.75	75	41	55	Φ20	M8	4.2	25	70A	1000	S754300041104	CGRD 754 J 3G M 5F 00 04 P N
0.80	75	41	55	Φ20	M8	4	25	70A	1000	S804300041104	CGRD 804 J 3G M 5F 00 04 P N
0.85	75	41	55	Φ20	M8	3.8	25	70A	1000	S854300041104	CGRD 854 J 3G M 5F 00 04 P N
0.90	75	41	55	Φ20	M8	3.5	25	70A	1000	S904300041104	CGRD 904 J 3G M 5F 00 04 P N
1.00	75	41	55	Φ20	M8	3.2	25	70A	1000	S105300041105	CGRD 105 J 3G M 5F 00 05 P N
1.10	75	41	55	Φ20	M8	2.9	25	70A	1000	S115300041103	CGRD 115 J 3G M 5F 00 03 P N
0.70	81	41	55	Φ20	M8	4.5	25	80A	1000	S704300041103	CGRD 704 J 3G M 5F 00 03 P N
0.75	81	41	55	Φ20	M8	4.2	25	80A	1000	S754300041103	CGRD 754 J 3G M 5F 00 03 P N
0.80	81	41	55	Φ20	M8	4.0	25	80A	1000	S804300041103	CGRD 804 J 3G M 5F 00 03 P N
0.85	81	41	55	Φ20	M8	3.8	25	80A	1000	S854300041103	CGRD 854 J 3G M 5F 00 03 P N
0.90	81	41	55	Φ20	M8	3.5	25	80A	1000	S904300041103	CGRD 904 J 3G M 5F 00 03 P N
0.95	81	41	55	Φ20	M8	3.3	25	80A	1000	S954300041102	CGRD 954 J 3G M 5F 00 02 P N
1.00	81	41	55	Φ20	M8	3.2	25	80A	500	S105300041104	CGRD 105 J 3G M 5F 00 04 P N
1.10	81	41	55	Φ20	M8	2.9	25	80A	500	S115300041102	CGRD 115 J 3G M 5F 00 02 P N
1.20	81	41	55	Φ20	M8	2.7	25	80A	500	S125300041102	CGRD 125 J 3G M 5F 00 02 P N
1.30	81	41	55	Φ20	M8	2.4	25	80A	500	S135300041102	CGRD 135 J 3G M 5F 00 02 P N
1.35	81	41	55	Φ20	M8	2.3	25	80A	500	S135300041103	CGRD 135 J 3G M 5F 00 03 P N
1.45	81	41	55	Φ20	M8	2.2	25	80A	500	S145300041102	CGRD 145 J 3G M 5F 00 02 P N

Un=3600V.DC Utt=5400V.DC CGRD P=55MM											
C _N (μF)	ΦD (mm)	L (mm)	P (mm)	Nut (mm)	Φd (mm)	ESR (mΩ)	ESL (nH)	Irms (A)	Dv/Dt (V/μS)	Part Number	新代码/New Part Number
0.20	65	41	55	Φ15	M6	9.8	25	60A	1000	S204360041102	CGRD 204 J 3K M 5F 00 02 P N
0.25	65	41	55	Φ15	M6	9.2	25	60A	1000	S254360041102	CGRD 254 J 3K M 5F 00 02 P N
0.30	65	41	55	Φ15	M6	8.7	25	60A	1000	S304360041104	CGRD 304 J 3K M 5F 00 04 P N
0.35	65	41	55	Φ15	M6	8.3	25	60A	1000	S354360041104	CGRD 354 J 3K M 5F 00 04 P N
0.40	65	41	55	Φ15	M6	8	25	60A	1000	S404360041106	CGRD 404 J 3K M 5F 00 06 P N
0.24	70	41	55	Φ15	M6	9.3	25	65A	1000	S244360041101	CGRD 244 J 3K M 5F 00 01 P N
0.30	70	41	55	Φ15	M6	8.7	25	65A	1000	S304360041106	CGRD 304 J 3K M 5F 00 06 P N
0.35	70	41	55	Φ15	M6	8.3	25	65A	1000	S354360041105	CGRD 354 J 3K M 5F 00 05 P N
0.40	70	41	55	Φ15	M6	8	25	65A	1000	S404360041108	CGRD 404 J 3K M 5F 00 08 P N
0.44	70	41	55	Φ15	M6	7.2	25	65A	1000	S444360041105	CGRD 444 J 3K M 5F 00 05 P N
0.47	70	41	55	Φ15	M6	7	25	65A	1000	S474360041105	CGRD 474 J 3K M 5F 00 05 P N
0.50	70	41	55	Φ15	M6	6.4	25	65A	1000	S504360041106	CGRD 504 J 3K M 5F 00 06 P N
0.20	75	41	55	Φ20	M8	9.8	25	65A	1000	S204360041103	CGRD 204 J 3K M 5F 00 03 P N
0.25	75	41	55	Φ20	M8	8.7	25	70A	1000	S254360041103	CGRD 254 J 3K M 5F 00 03 P N
0.30	75	41	55	Φ20	M8	8.7	25	70A	1000	S304360041102	CGRD 304 J 3K M 5F 00 02 P N
0.35	75	41	55	Φ20	M8	8.3	25	70A	1000	S354360041103	CGRD 354 J 3K M 5F 00 03 P N

MKPH-R 系列

产品规格尺寸 | Product specifications and dimensions

Un=3600V.DC Utt=5400V.DC CGRD P=55MM											
C _N (μF)	ΦD (mm)	L (mm)	P (mm)	Nut (mm)	Φd (mm)	ESR (mΩ)	ESL (nH)	I _{rms} (A)	Dv/Dt (V/μS)	Part Number	新代码/New Part Number
0.40	75	41	55	Φ20	M8	8	25	70A	1000	S404360041105	CGRD 404 J 3K M 5F 00 05 P N
0.44	75	41	55	Φ20	M8	7.2	25	70A	1000	S444360041104	CGRD 444 J 3K M 5F 00 04 P N
0.47	75	41	55	Φ20	M8	7	25	70A	1000	S474360041104	CGRD 474 J 3K M 5F 00 04 P N
0.50	75	41	55	Φ20	M8	6.4	25	70A	1000	S504360041105	CGRD 504 J 3K M 5F 00 05 P N
0.55	75	41	55	Φ20	M8	5.8	25	70A	1000	S554360041104	CGRD 554 J 3K M 5F 00 04 P N
0.33	81	41	55	Φ20	M8	8	25	80A	1000	S334360041101	CGRD 334 J 3K M 5F 00 01 P N
0.40	81	41	55	Φ20	M8	8	25	80A	1000	S304360041104	CGRD 404 J 3K M 5F 00 04 P N
0.44	81	41	55	Φ20	M8	7.2	25	80A	1000	S444360041103	CGRD 444 J 3K M 5F 00 03 P N
0.47	81	41	55	Φ20	M8	7	25	80A	1000	S474360041103	CGRD 474 J 3K M 5F 00 03 P N
0.50	81	41	55	Φ20	M8	6.4	25	80A	1000	S504360041104	CGRD 504 J 3K M 5F 00 04 P N
0.55	81	41	55	Φ20	M8	5.8	25	80A	1000	S554360041103	CGRD 554 J 3K M 5F 00 03 P N
0.60	81	41	55	Φ20	M8	5.3	25	80A	1000	S604360041103	CGRD 604 J 3K M 5F 00 03 P N
0.65	81	41	55	Φ20	M8	4.9	25	80A	1000	S654360041102	CGRD 654 J 3K M 5F 00 02 P N

注:以上参数仅做参考,以实际图纸为准。

Note: the above parameters for reference only, see the drawing for details.

MKPH-RM 系列

产品介绍 | Product introduction

金属化聚丙烯薄膜卷绕而成，阻燃塑料外壳封装，镀锡铜线或铜插片引出。
It is made of metallized polypropylene film, packaged with flame retardant plastic shell, and led out by tinned copper wire or copper insert.

应用场合 | Application occasion

用于UPS、小功率变频器、逆变器、电镀电源、逆变焊机、感应加热等电力电子设备作用直流滤波。
It is used for DC filter of UPS, low power inverter, inverter, electroplating power supply, inverter welding machine, induction heating and other power electronic equipment.

特点 | Characteristic

- 频率特性好 | Good frequency characteristic
- 杂散电感小 | Small stray inductance
- 过电流能力强 | Strong over current capability
- 稳定性好 | Good stability
- 可靠性高 | High reliability
- 无感结构 | Non inductive structure

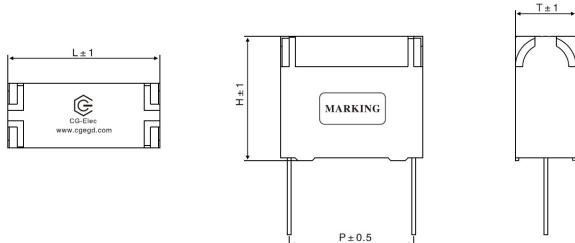


性能指标 | Performance index

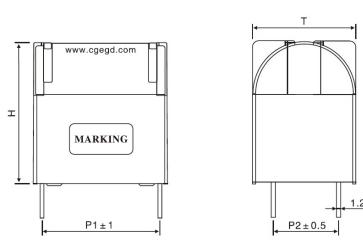
引用标准 Reference standard	GB/T3984 IEC 60110
使用温度范围 Climatic category	40/85 (105) /21
容量范围 Capacity range	0.1~1μF
额定电压 Rated voltage	1200VDC~4000VDC
电容量偏差 Capacitance tolerance	±5% (J) ±10% (K)
损耗角正切 Dissipation factor	$\operatorname{tg} \delta_0 \leq 0.0007$ (at 10kHz)
耐电压 Withstand voltage	1.5Un (60S)
绝缘电阻 Insulation resistance	$CX_R \geq 5000S$ (at 20°C 100V.DC 60S)
脉冲能力 Withstand pulse current ability	$dv/dt > 1000V/\mu s$
阻燃性 Flame retardation	UL94V-0
杂散电感 Stray inductance	≤30nH
有效电流 Effective current	20~50A

产品外型图 | Product outline

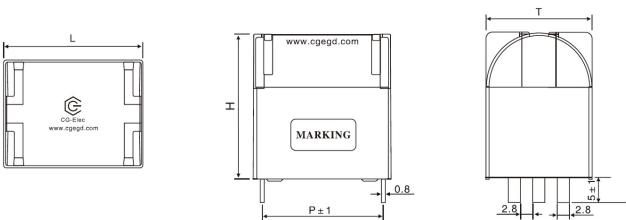
单针/A



双针/B



直插片/C



MKPH-RM 系列

产品规格尺寸 | Product specifications and dimensions

Un	C _N (μF)	L (mm)	T (mm)	H (mm)	P (mm)	ESR (mΩ)	I _{rms} (A)	dV/dt (V/μs)	引出方式Lead Methods	Part Number	新代码/New Part Number
2500	0.2	42.5	23.5	37	34.5	9.8	20	1000	直插片/C	S2042500211--	CGRM204J2GA3J50**PG
	0.22	42.5	25.5	41	34.5	9.6	25	1000	直插片/C	S2242500211--	CGRM224J2GA3J50**PG
	0.24	42.5	25.5	41	34.5	9.3	25	1000	直插片/C	S2442500211--	CGRM244J2GA3J50**PG
	0.27	42.5	25.5	41	34.5	9.1	25	1000	直插片/C	S2742500211--	CGRM274J2GA3J50**PG
	0.3	42.5	25.5	41	34.5	8.7	25	1000	直插片/C	S3042500211--	CGRM304J2GA3J50**PG
	0.3	42.5	32.5	45	34.5	8.7	30	1000	直插片/C	S3042500211--	CGRM304J2GA3J50**PG
	0.35	42.5	32.5	45	34.5	8.3	30	1000	直插片/C	S3542500211--	CGRM354J2GA3J50**PG
	0.4	42.5	32.5	45	34.5	8.0	30	1000	直插片/C	S4052500211--	CGRM404J2GA3J50**PG
	0.4	42.5	34.5	50	34.5	8.0	35	1000	直插片/C	S4052500211--	CGRM404J2GA3J50**PG
	0.45	42.5	34.5	50	34.5	7.2	35	500	直插片/C	S4542500211--	CGRM454J2GA3J50**PG
	0.5	42.5	39	56	34.5	6.4	35	500	直插片/C	S5042500211--	CGRM504J2GA3J50**PG
	0.55	42.5	39	56	34.5	5.8	35	500	直插片/C	S5542500211--	CGRM554J2GA3J50**PG
	0.6	42.5	39	56	34.5	5.3	35	500	直插片/C	S6042500211--	CGRM604J2GA3J50**PG
3000	0.12	42.5	23.5	37	34.5	10.8	20	1000	直插片/C	S1243000211--	CGRM124J3GA3J50**PG
	0.15	42.5	23.5	37	34.5	10.4	20	1000	直插片/C	S1543000211--	CGRM154J3GA3J50**PG
	0.15	42.5	25.5	41	34.5	10.4	25	1000	直插片/C	S1543000211--	CGRM154J3GA3J50**PG
	0.18	42.5	25.5	41	34.5	10.0	25	1000	直插片/C	S1843000211--	CGRM184J3GA3J50**PG
	0.2	42.5	25.5	41	34.5	9.8	25	1000	直插片/C	S2043000211--	CGRM204J3GA3J50**PG
	0.15	42.5	32.5	45	34.5	10.4	30	1000	直插片/C	S1543000211--	CGRM154J3GA3J50**PG
	0.18	42.5	32.5	45	34.5	10.0	30	1000	直插片/C	S1843000211--	CGRM184J3GA3J50**PG
	0.2	42.5	32.5	45	34.5	9.8	30	1000	直插片/C	S2043000211--	CGRM204J3GA3J50**PG
	0.22	42.5	32.5	45	34.5	9.6	30	1000	直插片/C	S2243000211--	CGRM224J3GA3J50**PG
	0.24	42.5	32.5	45	34.5	9.3	30	1000	直插片/C	S2443000211--	CGRM244J3GA3J50**PG
	0.25	42.5	32.5	45	34.5	9.2	30	1000	直插片/C	S2543000211--	CGRM254J3GA3J50**PG
	0.27	42.5	32.5	45	34.5	9.1	30	1000	直插片/C	S2743000211--	CGRM274J3GA3J50**PG
	0.2	42.5	34.5	50	34.5	9.8	35	1000	直插片/C	S2043000211--	CGRM204J3GA3J50**PG
	0.24	42.5	34.5	50	34.5	9.3	35	1000	直插片/C	S2443000211--	CGRM244J3GA3J50**PG
	0.25	42.5	34.5	50	34.5	9.2	35	1000	直插片/C	S2543000211--	CGRM254J3GA3J50**PG
	0.27	42.5	34.5	50	34.5	9.1	35	1000	直插片/C	S2743000211--	CGRM274J3GA3J50**PG
	0.3	42.5	34.5	50	34.5	8.7	35	1000	直插片/C	S3043000211--	CGRM304J3GA3J50**PG
	0.32	42.5	34.5	50	34.5	8.5	35	1000	直插片/C	S3243000211--	CGRM324J3GA3J50**PG
	0.33	42.5	34.5	50	34.5	8.4	35	1000	直插片/C	S3343000211--	CGRM334J3GA3J50**PG
	0.35	42.5	34.5	50	34.5	8.3	35	1000	直插片/C	S3543000211--	CGRM354J3GA3J50**PG
	0.36	42.5	34.5	50	34.5	8.2	35	1000	直插片/C	S3643000211--	CGRM364J3GA3J50**PG
	0.39	42.5	34.5	50	34.5	8.1	35	1000	直插片/C	S3943000211--	CGRM394J3GA3J50**PG
	0.4	42.5	39	56	34.5	8.0	35	1000	直插片/C	S4043000211--	CGRM404J3GA3J50**PG
	0.45	42.5	39	56	34.5	7.2	35	1000	直插片/C	S4543000211--	CGRM454J3GA3J50**PG
	0.47	42.5	39	56	34.5	7.0	35	1000	直插片/C	S4743000211--	CGRM474J3GA3J50**PG

注:以上参数仅做参考,以实际图纸为准。

Note: the above parameters for reference only, see the drawing for details.

产品介绍 | Product introduction

金属化聚丙烯薄膜卷绕而成，一体化塑壳散热结构，直接紧贴散热片散热。
It is made of metallized polypropylene film, integrated plastic shell heat dissipation structure, directly close to the heat sink.

应用场合 | Application occasion

用于商用电磁炉和感应加热设备的半桥、全桥谐振电路。
Half bridge and full bridge resonant circuit for commercial induction furnace and induction heating equipment.

特点 | Characteristic

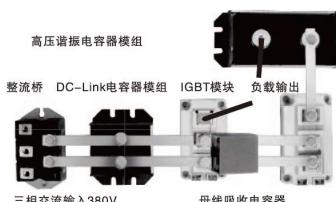
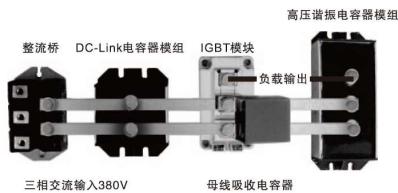
- 耐压高 | High withstand voltage
- 电流大 | The current is high
- 体积小 | Small size
- 温升低 | Low temperature rise
- 寿命长 | Long life
- 可靠性高 | High reliability
- 无感结构 | Non inductive structure



性能指标 | Performance index

引用标准 Reference standard	GB/T3984 IEC 60110
使用温度范围 Climatic category	40/85/21
容量范围 Capacity range	2× (0.3~1.4) μF
额定电压 Rated voltage	1200VDC~4000VDC
电容量偏差 Capacitance tolerance	±5% (J) ±10% (K)
损耗角正切 Dissipaton factor	$\operatorname{tg} \delta_0 \leq 0.0007$ (at 10kHz)
耐电压 Withstand voltage	1.5Un (60S)
绝缘电阻 Insulation resistance	$CXR_i \geq 5000S$ (at 20°C 100V.DC 60S)
脉冲能力 Withstand pulse current ability	$dv/dt > 1000V/\mu s$
阻燃性 Flame retardation	UL94V-0
杂散电感 Stray inductance	$\leq 30nH$
有效电流 Effective current	2× (30~100) A

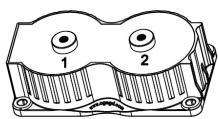
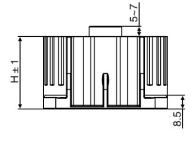
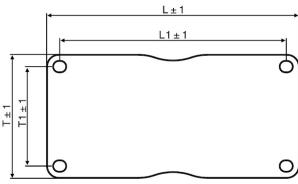
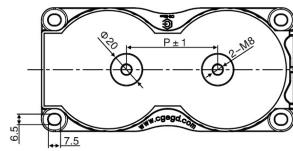
实物应用图 | Application



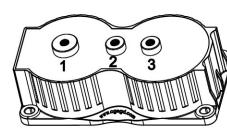
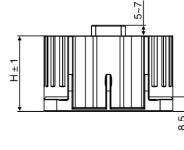
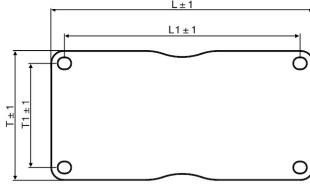
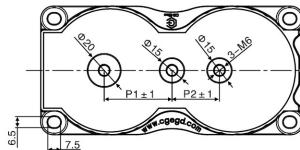
MKPH-RP 系列

产品外型图 | Product outline

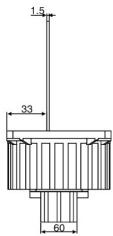
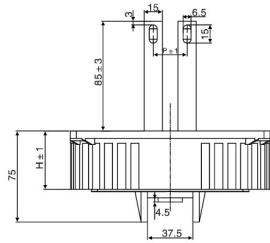
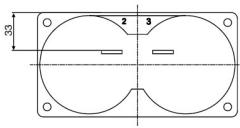
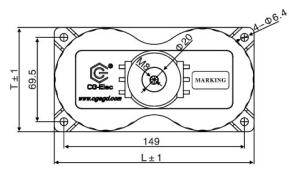
2*M6/M8螺母/A



3*M6螺母/B



插片/C



产品规格尺寸 | Product specifications and dimensions

半桥结构
Half bridge structure

Un	C _N (μF)	参考功率 Reference power	L (mm)	T (mm)	H (mm)	P1 (mm)	P2 (mm)	Irms (A)	dv/dt (V/μs)	引出方式/Lead Methods	Part Number
2000	2*0.5	10-15KW	133	65	35	36	28	60	1000	3*M6螺母/B	S1052000211--
2000	2*0.55	10-15KW	133	65	35	36	28	60	1000	3*M6螺母/B	S1152000211--
2000	2*0.6	10-15KW	133	65	35	36	28	60	1000	3*M6螺母/B	S1252000211--
2000	2*0.7	10-15KW	133	65	35	36	28	60	1000	3*M6螺母/B	S1452000211--
2000	2*0.8	10-15KW	133	65	35	36	28	60	1000	3*M6螺母/B	S1652000211--
2000	2*0.9	10-15KW	133	65	35	36	28	60	1000	3*M6螺母/B	S1852000211--
2000	2*1.0	10-15KW	133	65	35	36	28	60	1000	3*M6螺母/B	S2052000211--
2000	2*1.0	15-20KW	155	76	35	40	28	70	1000	3*M6螺母/B	S2052000211--
2000	2*1.1	15-20KW	155	76	35	40	28	70	1000	3*M6螺母/B	S2252000211--
2000	2*1.2	15-20KW	155	76	35	40	28	70	1000	3*M6螺母/B	S2452000211--
2000	2*1.4	15-20KW	155	76	35	40	28	70	1000	3*M6螺母/B	S2852000211--
2500	2*1.4	25-30KW	155	76	44.5	40	28	70	1000	3*M6螺母/B	S2852500211--
2800	2*1.2	25-30KW	155	76	44.5	40	28	70	1000	3*M6螺母/B	S2452800211--
2800	2*1.3	25-30KW	155	76	44.5	40	28	70	1000	3*M6螺母/B	S2652800211--
3000	2*0.3	15-20KW	120	58	44.5	36	23	50	1000	3*M6螺母/B	S6043000211--
3000	2*0.33	15-20KW	120	58	44.5	36	23	50	1000	3*M6螺母/B	S6643000211--

MKPH-RP 系列

产品规格尺寸 | Product specifications and dimensions

半桥结构 Half bridge structure											
Un	C _N (μF)	参考功率Reference power	L (mm)	T (mm)	H (mm)	P1 (mm)	P2 (mm)	I _{rms} (A)	dv/dt (V/μs)	引出方式/Lead Methods	Part Number
3000	2*0.36	15-20KW	120	58	44.5	36	23	50	1000	3*M6螺母/B	S7243000211--
3000	2*0.39	15-20KW	120	58	44.5	36	23	50	1000	3*M6螺母/B	S7843000211--
3000	2*0.4	15-20KW	120	58	44.5	36	23	50	1000	3*M6螺母/B	S8043000211--
3000	2*0.45	15-20KW	120	58	44.5	36	23	50	1000	3*M6螺母/B	S9043000211--
3000	2*0.48	15-20KW	120	58	44.5	36	23	50	1000	3*M6螺母/B	S9643000211--
3000	2*0.5	15-20KW	120	58	44.5	36	23	50	1000	3*M6螺母/B	S1053000211--
3000	2*0.54	15-20KW	120	58	44.5	36	23	50	1000	3*M6螺母/B	S1153000211--
3000	2*0.6	15-20KW	120	58	44.5	36	23	50	1000	3*M6螺母/B	S1253000211--
3000	2*0.6	20-25KW	133	65	44.5	40	28	60	1000	3*M6螺母/B	S1253000211--
2000	2*0.7	20-25KW	133	65	44.5	40	28	60	1000	3*M6螺母/B	S1453000211--
2000	2*0.6	25-30KW	155	76	44.5	40	28	70	1000	3*M6螺母/B	S1253000211--
2500	2*0.64	25-30KW	155	76	44.5	40	28	70	1000	3*M6螺母/B	S1353000211--
2800	2*0.65	25-30KW	155	76	44.5	40	28	70	1000	3*M6螺母/B	S1353000211--
2800	2*0.7	25-30KW	155	76	44.5	40	28	70	1000	3*M6螺母/B	S1453000211--
3000	2*0.75	25-30KW	155	76	44.5	40	28	70	1000	3*M6螺母/B	S1553000211--
3000	2*0.8	25-30KW	155	76	44.5	40	28	70	1000	3*M6螺母/B	S1653000211--
3000	2*0.9	25-30KW	155	76	44.5	40	28	70	1000	3*M6螺母/B	S1853000211--
3000	2*0.95	25-30KW	155	76	44.5	40	28	70	1000	3*M6螺母/B	S1953000211--
3000	2*0.96	25-30KW	155	76	44.5	40	28	0	1000	3*M6螺母/B	S1953000211--
3000	2*1.0	25-30KW	155	76	44.5	40	28	70	1000	3*M6螺母/B	S2053000211--
3000	2*1.1	25-30KW	155	76	44.5	40	28	70	1000	3*M6螺母/B	S2253000211--
3600	2*0.2	15-20KW	120	58	44.5	36	23	50	1000	3*M6螺母/B	S4043600211--
3600	2*0.24	15-20KW	120	58	44.5	36	23	50	1000	3*M6螺母/B	S4843600211--
3600	2*0.27	15-20KW	120	58	44.5	36	23	50	1000	3*M6螺母/B	S5443600211--
3600	2*0.5	25-30KW	155	76	44.5	40	28	70	1000	3*M6螺母/B	S1053600211--
3600	2*0.55	25-30KW	155	76	44.5	40	28	70	1000	3*M6螺母/B	S1153600211--
4000	2*0.27	25-30KW	155	76	44.5	40	28	70	1000	3*M6螺母/B	S5444000211--
4000	2*0.39	25-30KW	155	76	44.5	40	28	70	1000	3*M6螺母/B	S7844000211--
4000	2*0.45	25-30KW	155	76	44.5	40	28	70	1000	3*M6螺母/B	S9044000211--
4000	2*0.48	25-30KW	155	76	44.5	40	28	70	1000	3*M6螺母/B	S9644000211--
3000	2*0.6	20-30KW	165	86	48	28	60	1000	插片引出/C	S1253000211--	
3000	2*0.8	20-30KW	165	86	48	28	60	1000	插片引出/C	S1653000211--	
3000	2*1.0	20-30KW	165	86	48	28	60	1000	插片引出/C	S2053000211--	
3000	2*1.2	20-30KW	165	86	48	28	60	1000	插片引出/C	S2253000211--	
3000	2.1.4	20-30KW	165	86	48	28	60	1000	插片引出/C	S2853000211--	

全桥结构
Full bridge structure

Un	C _N (μF)	参考功率Reference power	L (mm)	T (mm)	H (mm)	P (mm)	I _{rms} (A)	dv/dt (V/μs)	引出方式/Lead Methods	Part Number
3000	0.3	20-25KW	155	76	35	56	70	1000	2*M6螺母/A	S3043000211--
3000	0.4	20-25KW	155	76	35	56	70	1000	2*M6螺母/A	S4043000211--
3000	0.6	20-25KW	155	76	35	56	70	1000	2*M6螺母/A	S6043000211--
3000	0.7	25-30KW	120	58	44.5	56	80	1000	2*M6螺母/A	S7043000211--
3000	0.75	25-30KW	120	58	44.5	56	80	1000	2*M6螺母/A	S7543000211--
3000	0.8	25-30KW	120	58	44.5	56	80	1000	2*M6螺母/A	S8043000211--
3000	1.2	25-30KW	120	58	44.5	56	80	1000	2*M6螺母/A	S1253000211--

MKPH-RP 系列

产品规格尺寸 | Product specifications and dimensions

全桥结构 Full bridge structure										
Un	C _N (μF)	参考功率 Reference power	L (mm)	T (mm)	H (mm)	P (mm)	I _{rms} (A)	dV/dt (V/μs)	引出方式/Lead Methods	Part Number
3000	1.2	30-35KW	155	76	44.5	56	120	1000	2*M8螺母/A	S1253000211--
3000	1.25	30-35KW	155	76	44.5	56	120	1000	2*M8螺母/A	S1253000211--
3000	1.6	30-35KW	155	76	44.5	56	120	1000	2*M8螺母/A	S1653000211--
3600	0.22	20-25KW	133	65	35	56	60	1000	2*M6螺母/A	S2243600211--
3600	0.33	20-25KW	133	65	35	56	60	1000	2*M6螺母/A	S3343600211--
3600	0.45	25-30KW	120	58	44.5	56	80	1000	2*M6螺母/A	S4543600211--
3600	0.5	25-30KW	120	58	44.5	56	80	1000	2*M6螺母/A	S3343600211--
3600	0.56	25-30KW	120	58	44.5	56	80	1000	2*M6螺母/A	S5643600211--
3600	0.6	30-35KW	155	76	44.5	56	120	1000	2*M6螺母/A	S6043600211--
3600	0.7	30-35KW	155	76	44.5	56	120	1000	2*M8螺母/A	S7043600211--
3600	0.8	30-35KW	155	76	44.5	56	120	1000	2*M8螺母/A	S8043600211--
3600	0.85	30-35KW	155	76	44.5	56	120	1000	2*M8螺母/A	S8543600211--
3600	0.9	30-35KW	155	76	44.5	56	120	1000	2*M8螺母/A	S9043600211--
3600	1	30-35KW	155	76	44.5	56	120	1000	2*M8螺母/A	S1053600211--

注:以上参数仅做参考,以实际图纸为准。

Note: the above parameters for reference only, see the drawing for details.

MKP-LP 系列

产品介绍 | Product introduction

金属化聚丙烯薄膜卷绕而成，一体化塑壳散热结构，直接紧贴散热片散热。
It is made of metallized polypropylene film, integrated plastic shell heat dissipation structure, directly close to the heat sink.

特点 | Characteristic

- 容量大 | Large capacity
- 体积小 | Small size
- 高纹波电流 | High ripple current
- 温升低 | Low temperature rise
- 寿命长 | Long life
- 安装简单方便 | The installation is simple and convenient
- 无感结构 | Insensible structure

应用场合 | Application occasion

用于商用电磁炉和感应加热设备的直流母线支撑，平滑滤波电路。
DC bus support for commercial induction cooker and induction heating equipment, smoothing filter circuit.

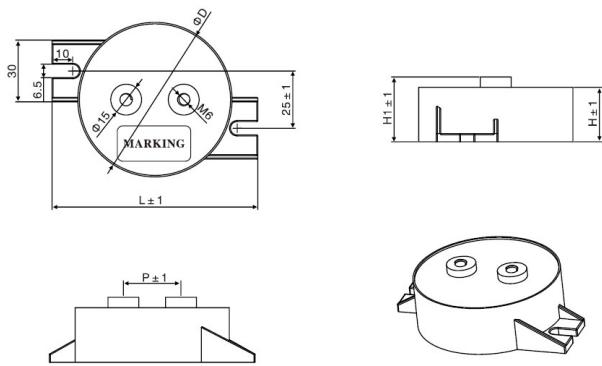


性能指标 | Performance index

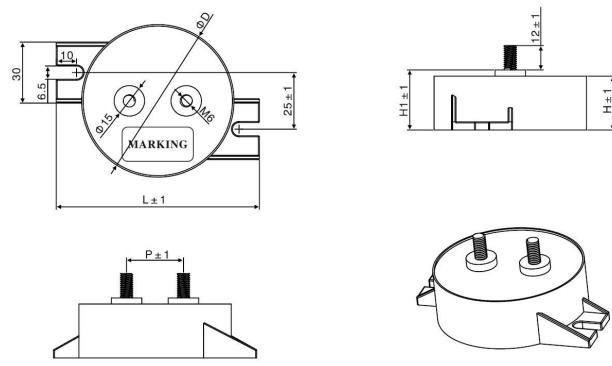
引用标准 Reference standard	GB/T17702 IEC 61071
使用温度范围 Climatic category	40/85/21
容量范围 Capacity range	20~45μF
额定电压 Rated voltage	800VDC
电容量偏差 Capacitance tolerance	±5% (J) ±10% (K)
损耗角正切 Dissipation factor	$\operatorname{tg} \delta_0 \leq 0.001$ (at 1kHz)
耐电压 Withstand voltage	1.5Un (60S)
绝缘电阻 Insulation resistance	$CX\Omega \geq 500S$ (at 20°C 100V.DC 60S)
脉冲能力 Withstand pulse current ability	$dv/dt > 50V/\mu s$
阻燃性 Flame retardation	UL94V-0
杂散电感 Stray inductance	≤30nH
有效电流 Effective current	30~80A

产品外型图 | Product outline

螺母/A



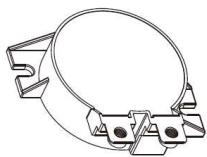
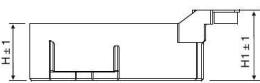
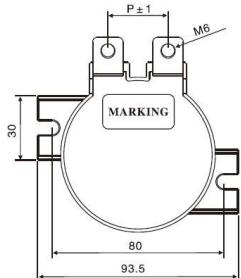
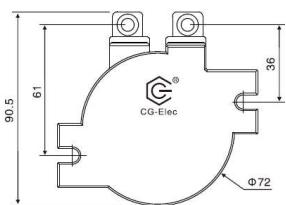
螺栓/B



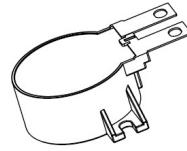
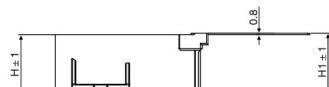
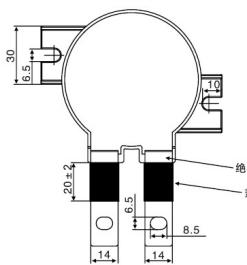
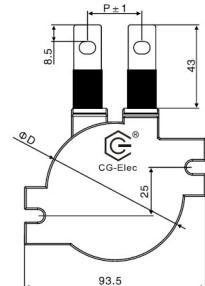
MKP-LP 系列

产品外型图 | Product outline

插片+螺母/C



长插片/D



产品规格尺寸 | Product specifications and dimensions

Un	C _N (μF)	参考功率 Reference power	Φd (mm)	H (mm)	H1 (mm)	P (mm)	I _{max} (A)	dv/dt (V/μs)	引出方式/Lead Methods	Part Number
800	20	12-20KW	75	29	31	28	60	50	2*M6螺母/A	S2060800211--
800	30	20-30KW	75	32	37	28	60	50	2*M6螺母/A	S3060800211--
800	30	20-30KW	75	29	42	28	60	50	2*M6螺栓/B	S3060800211--
800	45	30-35KW	85	34	39	28	75	50	2*M6螺母/A	S4560800211--
800	20	12-20KW	61.5	29.5	30.5	28	50	50	插片引出/D	S2060800211--
800	20	20-30KW	72	29.5	30.5	28	60	50	插片引出/D	S2060800211--
800	30	20-30KW	72	29.5	30.5	28	60	50	插片引出/D	S3060800211--
1000	20	20-30KW	72	29.5	30.5	28	60	50	插片引出/D	S2061000211--

注:以上参数仅做参考,以实际图纸为准。

Note: the above parameters for reference only, see the drawing for details.

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