

规 格 书

SPECIFICATION

客户 CUSTOMER	立创商城
客户料号 CUSTOMER P/N	
规格描述 DESCRIPTION	1200V/0.1UF/J/F22.5/直脚/L18/26.5*19*10/ZNR/灰壳
产品编码 PART NUMBER	CFJ3B104JJ1F260KF100
日期 DATE	2026-08-27

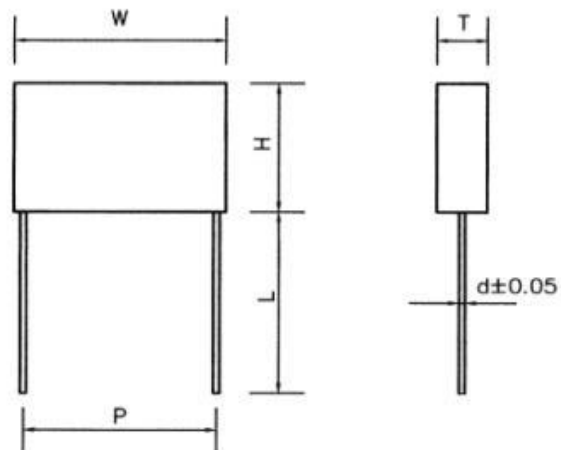
德尔创承认栏 APPROVED BY DERSONIC			客户承认栏 APPROVED BY CUSTOMER	
批 准 APPROVED BY	审 核 CHECK BY	制订 FORMULATE BY	批 准 APPROVED BY	审 核 CHECK BY
				

东莞市德尔创电子有限公司

DONGGUAN DERSONIC ELECTRONIC CO., LTD.

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Specification & Dimensions

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2. 产品介绍

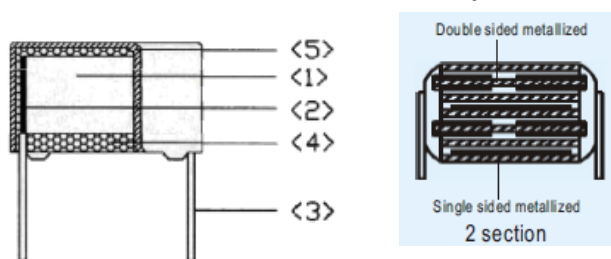
Products Introduction

PHB 电容是由金属化聚丙烯串式薄膜和双面薄膜，采用无感结构卷绕而成，引线采用镀锡铜线，外部使用阻燃塑胶外壳及阻燃环氧封装而成。具有良好的自愈功能和优良的阻燃性，符合UL94-V0标准。

PHB are wound with metallized polypropylene series film dielectric and double side metallized film. Non-inductive construction, tinned copper leads, and encapsulated in plastic case with flame retardant epoxy resin sealed. They have excellent features of self-healing and good flame retardant according to UL 94-V0

3. 产品结构和关键材料

Construction and main materials of products



NO	关键材料 Main Materials	材料规格 Specification	备注 Remark
1	金属化聚丙烯薄膜和双面聚酯膜 Metallized polypropylene and double side Film	MPPA (4~12um) AL	...
2	锌锡层 Zn,Sn line	锌或锌锡合金 Zn or Zn and Sn alloy	...
3	导线 Terminal	镀锡铜线 (Φ0.6 or 0.8, 1.0mm) Cu(tinned copper leads)	镀锡层厚度7um以上
4	封装材料 Sealed Material	环氧树脂 Epoxy resin	UL94-V0
5	塑胶外壳 Plastic Case	PBT	UL94-V0

注：以上材料均符合环保要求

Note: All of the Materials are in compliance with the requirements of ROHS AND REACH.

4. 典型应用

Type application

本产品用于电子灯具，汽车灯，镇流器，吸收突波，高脉冲，高电压，大电流，振荡电流场合。

The Products are suitable for lighting, car headlamp and ballast, High pulse, High voltage, high current and oscillator circuits ect.

5. 特点

Features

- 5.1 无感结构 Non-induction construction
- 5.2 优良的耐湿性 High moisture-resistance
- 5.3 自愈性 Self-healing property
- 5.4 阻燃性(符合UL 94V-0) Flame retardant type (compliance with UL 94V-0)
- 5.5 非常小的损耗和温升 Very low loss and small inherent temperature rise.
- 5.6 优秀的频率和温度特性 Excellent frequency and temperature characteristics
- 5.7 适合高频高电流脉冲应用 Suitable where applies high frequency and high current puls

6. 电气特性

Electrical specifications

如无其他说明, 电气特性请参考IEC 60384-16

Unless otherwise specified, electric characteristics shall refer to IEC 60384-16

Dimensions otherwise specified. Electric characteristics shall refer to IEC 60384-10

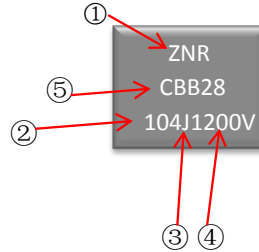
项目 Item	特性要求 Characteristic requirement					测试方法及条件 Test method&Condition	
气候类别 Climatic Category	40/110						
阻燃等级 Passive Flammability Class	B						
工作温度 Operating Temperature	-40℃ ~ +110℃						
容量范围 Capacitance Range	0.001uF~2.2uF						
容量偏差 Capacitance Tolerance	± 5% (J) , ± 10% (K) , ± 20% (M)					1KHz , 1.0Vrms , 20℃	
额定电压 Rated Voltage	630V/800V/1000V/1200V/1250V/1600V/2000VDC						
损耗角正切 Dissipation Factor		C≤0.47μF	0.47μF<C≤1.0μF	C>1.0μF	1KHz , 1.0Vrms , 20℃		
	1KHZ	0.10%	0.10%	0.10%			
	10KHZ	0.20%	0.40%	0.80%			
	100KHZ	0.60%					
绝缘阻值 Insulation Resistance		C≤0.33μF	C≥0.33μF		Ur > 100V, 100VDC, 60S, 20℃		
		IR ≥ 50000MΩ	IR ≥ 10000s				
		or ≥ 10000MΩ • Uf					
端子间电压 Withstand voltage Between Terminals	应无永久性击穿或飞弧 No permanent breakdown or flashover					1.6Ur(d.c) 60s Cut off Current 10mA , ARC=OFF, Voltage raising time 5 ~ 10s, pulse rise ≤ 150v/us	
端子与壳体间耐压 Withstand voltage Between Terminals and Case	应无永久性击穿或飞弧 No permanent breakdown or flashover					2Ur+1500V(a.c) 60s ≥ 2000V(a.c)	
最大脉冲上升时间 MAX. Pulse rise time (dv/dt)		Lead spacing					
	7.5mm	10mm	15mm	22.5mm	27.5mm	37.5mm	
	600V/us	500V/us	400V/us	200V/us	150V/us	100V/us	

注：额定电压定义：在工作温度范围内，电容持续运行的可承受电压。

请不要将电容置于超过额定温度环境中长期工作，会降低使用寿命或发生电击危险。

Note: Rated voltage is defined the voltage which shall be capable of applying to capacitors continuously in the operating temperature range. Please do not place the capacitors in more than the rated operating temperature environment in the long-term work. It can reduce the capacitor's life or cause an electric shock hazard.

7. 印字 Marking



(1)DER 商标 logo: ZNR

(2)静电容量 Capacitance: 104

(3)允许误差 Capacitance Tolerance: $\pm 5\%$ (J)

(4)额定电压 Rated Voltage: 630V/800V/1000V/1200V/1250V/1600V/2000VDC

(5)产品类别 Product Class: MMKP82/CBB28

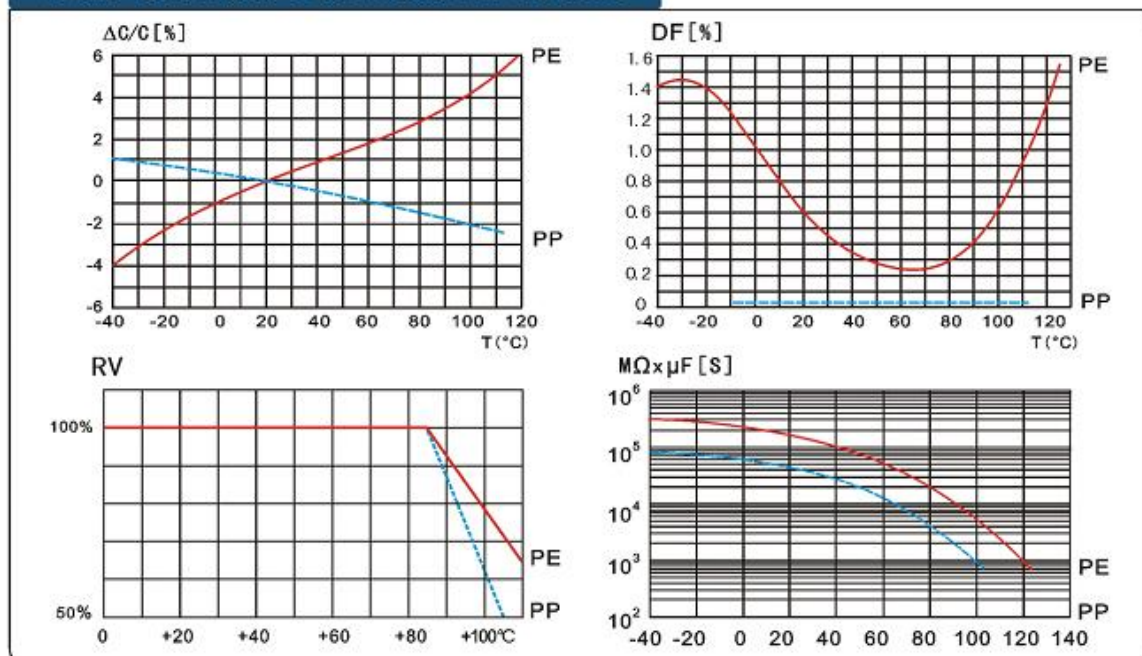
8. 温度特性

TEMPERATURE CHARACTERISTICS

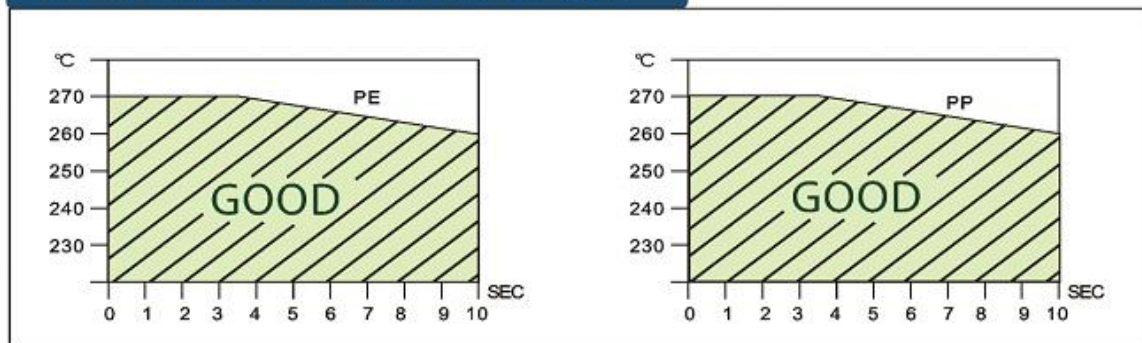
CHARACTERISTICS

TYPICAL GRAPHS

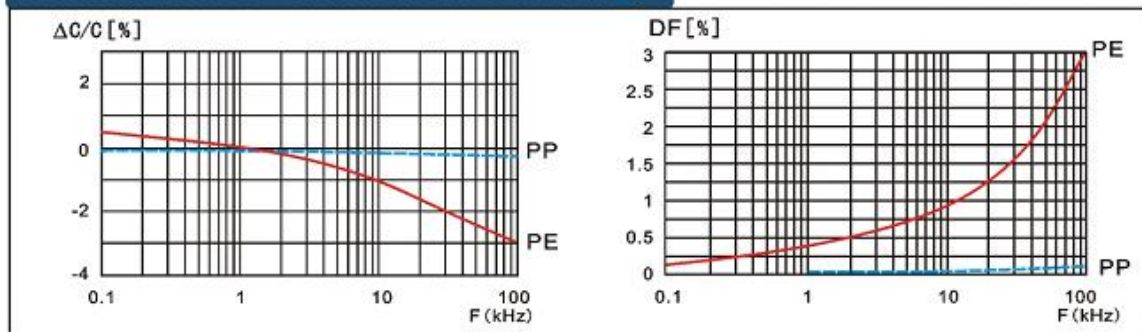
TEMPERATURE CHARACTERISTICS



SOLDERING TEMPERATURE VS. TIME



FREQUENCY CHARACTERISTICS



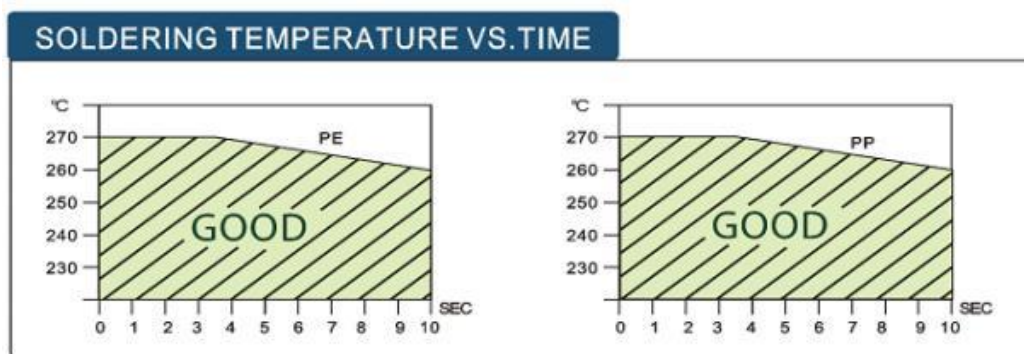
9. 使用指导 Guide in useage

9.1 焊锡 Soldering

当焊接电容器时, 焊锡热会通过引线端子和封装层传递到电容素子, 因此必须注意高温和长时间焊接引起的电容电气特性衰减或外包封层损坏。请确认焊锡在以下温度范围内。

When soldering a capacitor, heat in soldering is conducted to the element of the capacitor from wire lead and an enclosure, and hence it should be noted that soldering under high temperature and long period may cause deterioration of characteristic or Coating breakdow of capacitors.

Be sure to solder within the following temperature condition range.

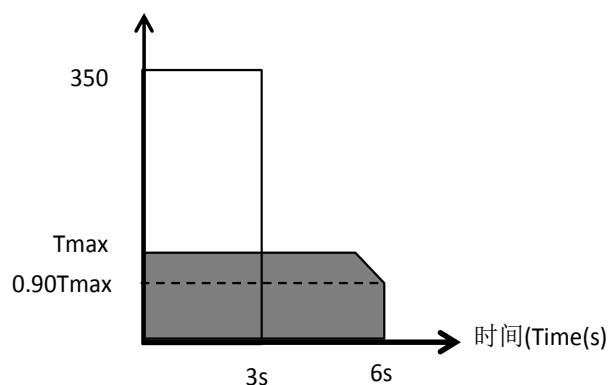


9.2 波峰浸入焊 (最大焊接温度)

Dipping / WAVE SOLDERING (Max soldering temperature)

焊接条件按下面的焊接图表: (Solder within the conditions mentioned in the following diagram.)

温度Temp(°C)



	Tmax	Time	Note
预热 Pre-heating	110°C	1min	
	100°C	1min	OPP P≤7.5
焊接 Soldering	270°C	4S	
	260°C	4S	OPP P≤7.5

电烙铁iron ☐ 波峰浸入焊dipping ☒

9.3 烙铁焊接 soldering iron

当使用烙铁焊接时, 烙铁尖端温度不得超过350°C, 焊接时间不超过5秒

When using soldering iron, iron tip temperature less than 350°C, Soldering time(sec.) within 5 seconds.

10. 存储条件

Storage conditions

10.1 请注意，长时间产品暴露在空气中会导致引线氧化，焊接性能衰减。

It should be noted that the solderability of the terminals may be deteriorated when stored barely in an atmosphere for a long periods

10.2 不能放置在高温高湿环境中，请遵循以下存储条件（原包装下保存）

It shouldn't be located in particularly high temperature and high humidity, it must submit to the following conditions(keeping in the original package)

温度 Temperature: 35℃ MAX

相对湿度 Relative humidity: 60% MAX

10.3 存储时间：最长12个月（以包装袋上标注的生产日期为准）

Storage period: 12 months max

(from the manufacturing date marked on the label in package bag)