

# 承 认 书

## SPECIFICATION FOR APPROVAL

客户名称  
Customer name

客户料号  
Customer material No.

产品名称  
Product name PF 3\*10 玻封式保险管 Miniature Fuse

产品型号  
Product model

送样日期  
Deliver date 年 月 日

### 本司确认 (TRX APPROVAL)

检验 Inspection	校对 Proofreading	批准 Approval	签章 Signature
徐文杰	叶慧冰	赖榕	

### 客户确认 (CUSTOMER APPROVAL)

检验 Inspection	校对 Proofreading	批准 Approval	签章 Signature

确认结果 Verify the results:

合格 Qualified       不合格 Unqualified       其他 Other

# 规格承认书

## Specification for approval

产品名称: PF 系列 3\*10mm 玻封式保险管

**Product Type: PF Series 3\*10mm Miniature Fuse**



**Dongguan Ampfort Electronics Co., Ltd**

东莞市安伏特电子有限公司

Email: [sales1@ampfort.net](mailto:sales1@ampfort.net)

网址: <http://www.ampfort.net>

## 1. 适用范围 / Scope of Application

本产品适用于各类电子设备电路的过流保护作用, 广泛应用于照明设备、电源设备以及适配器等领域。

This product is suitable for various kinds of electronic devices' circuit over current protection. Widely used in industrial of Lighting, Power supply and Adapter applications, etc.

## 2. 标准 / Standards

2.1 执行标准: 遵循 GB9364.3—1997 《超小型熔断体》。

Standards: In accordance with GB9364.3-1997 "Ultra Small Fuse Link"

## 3. 产品标示 / Product Marking

每小袋中有合格证、额定电流、数量、检验。散装: 每小袋 200 只装, 每一盒包装为 5000 只, 一箱为 10 万只。编带: 每一盒包装为 3000 只或 5000 只, 一箱为 3 万只或 5 万只。

Each bag has a certificate, rated current, quantity, and inspection.

Bulk packing: 200 pieces per bag, 5000 pieces per box, 100,000 pieces per carton.

Taping: 3000 or 5000 per box, 30,000 or 50,000 per box.

#### 4. 结构及尺寸 / Dimensions and Structure

单位: 毫米 / Unit: mm

#### 四、规格尺寸

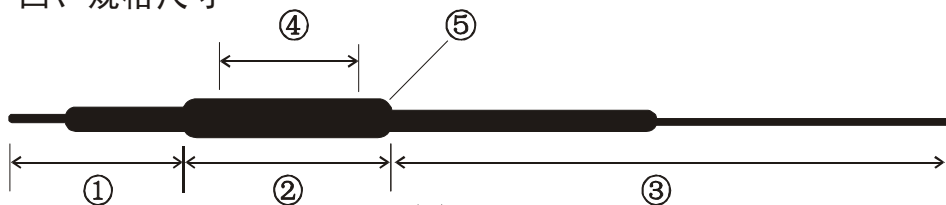


图1

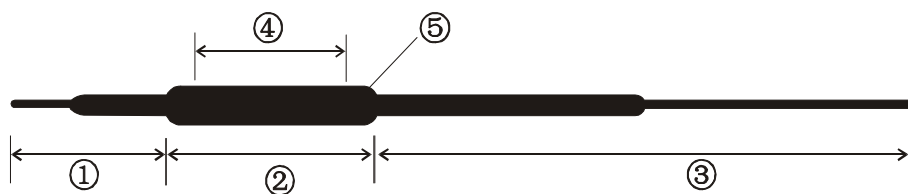


图2

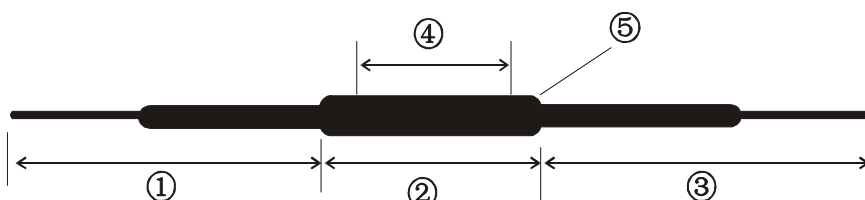


图3

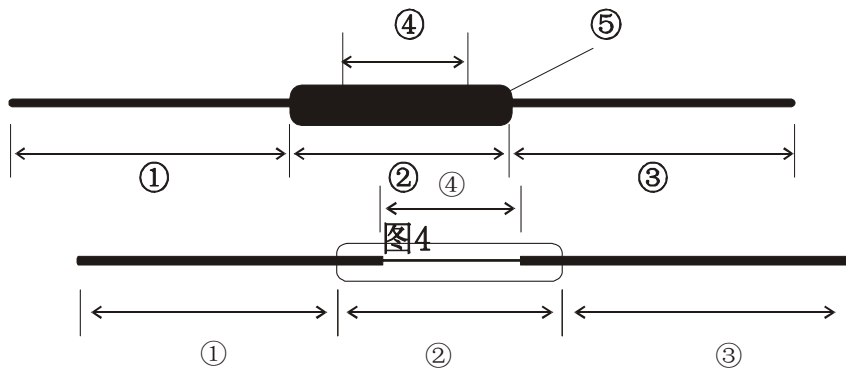


图4



图5

Model	Size (mm)					
	①	②	③	④	⑤	d
PF250V	23	9.5±1	23	3.9±0.05	2.8~3.0	0.45

## 5. 材料明细 / Material Details

编 号 NO.	零 件 名 称 Part Name	材 质 Material
①	套管⑤ Tube	PVC 或 125℃ 橡胶 PVC or 125℃ rubber
②	玻封管② Body	无铅低钠玻璃管 Lead-free low sodium glass tube
③	熔丝④ Fuse element	特种合金丝 Special Alloy Wire
④	导丝①/③ Lead wire	杜美丝 Dumes

## 6. 电气特性 / Electrical Characteristics

### 6.1 实验条件: Test Condition

所有测试环境温度为  $25\pm 5^{\circ}\text{C}$ 。

All electrical test is to be conducted with the ambient air at a temperature of  $25\pm 5^{\circ}\text{C}$ .

### 6.2 耐久性试验 / Durability test:

在额定电流下通 100 次循环, 其中通 1h, 断 15 分钟。

Under the rated current, pass 100 cycles, of which pass for 1h and break for 15 minutes.

### 6.3 分断能力 / Interrupting Rating:

额定分断能力: 35 A 或  $10I_n$ , 取其中较大者, 试验使用交流电源, 并使用规定的电路进行分断能力试验。

Rated breaking capacity: 35A or  $10I_n$ , whichever is larger, use AC power for the test, and use the specified circuit for breaking capacity test.

#### 6.4 熔断时限 / Operating Characteristics

(1)额定电流为标准电流，如下：0.5A 1A 1.5A 2A 3.15A 4A 5A 等。

The rated current is the standard current, as follows: 0.5A 1A 1.5A 2A 3.15A 4A 5A, etc.

(2)熔断电流及预飞弧时间 Fuse current and pre-arc time

Rated current	2.1In	2.75In		4In		10In
	Max	Min.	Max.	Min.	Max	Max
50mA~5A	30min	10ms	3s	3ms	300ms	20ms

#### 6.5 物理特性 / Physical properties

Item	Test Condition	Requirements
Insulation Resistance	500 V A C	$R \geq 1 M \Omega$
Lead-out strength	Tension 10N, bending, half of the number of terminals, twisting, the other half of the number of terminals.	No visual damage
Vibration	The frequency is 10-500Hz, the amplitude is 0.75mm or the acceleration is 98m/s <sup>2</sup> , and the duration is 6 hours.	No visual damage
Solderability	The tank is wet at $205 \pm 5^\circ\text{C}$ , the immersion time is 2S, and the immersion depth is 2mm from the component body.	Over 90% of solder coverage area

### 7. 环境特性 / Environmental Characteristic

#### 7.1 使用温度范围 / Operating Temperature

$-55^\circ\text{C} \sim +125^\circ\text{C}$ 。

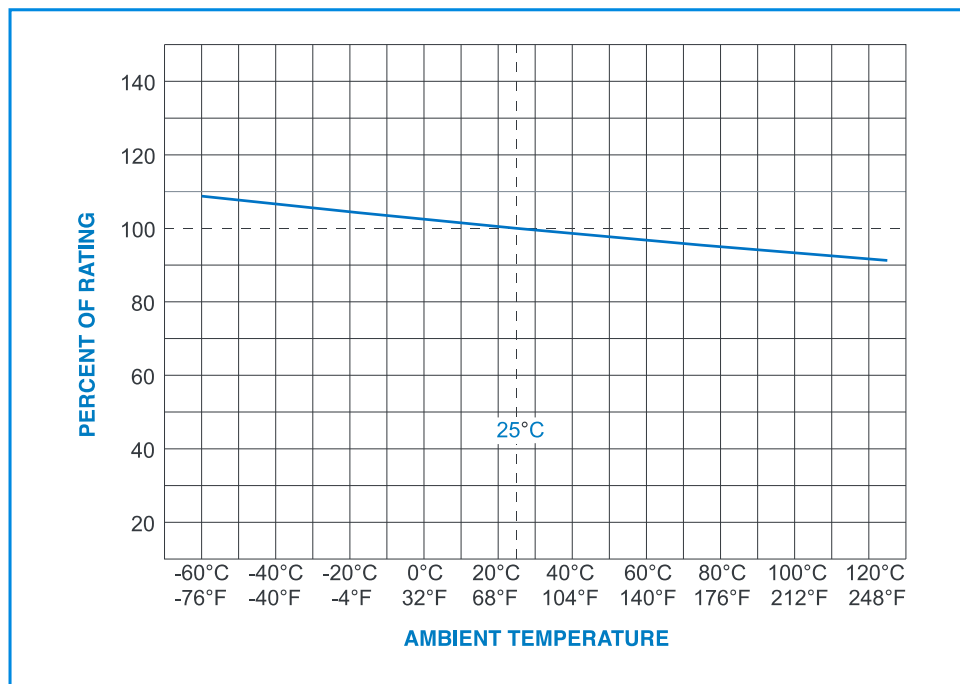
#### 7.2 保存条件 Stock Condition

湿度：相对湿度  $\leq 75\%$  平均可以存放 3 年。

Humidity: Relative humidity  $\leq 75\%$  store 3 years in average.

7.3 若操作环境温度超出  $25 \pm 5^\circ\text{C}$  范围，在选用保险丝规格时，需考虑操作环境温度对保险丝的影响，请参照如下：温度-电流曲线图。

When choosing the fuse's specification, if the operating environmental temperature beyond the scope from 20~30 °C, engineer should consider the environmental temperature's affection to fuses. Please refer: Temperature Rerating Curve:



## 8. 其他 / Others

8.1 如果在使用中有超出本规格书的要求，须经双方协商确认。

In the event that an impropriety is found beyond this specification, it shall be fixed by mutual agreement between the parties.

8.2 如果本规格书有不适当的情况，须通过双方协商并由本公司修改。

In the event that an impropriety is found in this specification, DONGGUAN AMPFORT ELECTRONICS CO., LTD. shall amend it by mutual agreement between the parties.