

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.

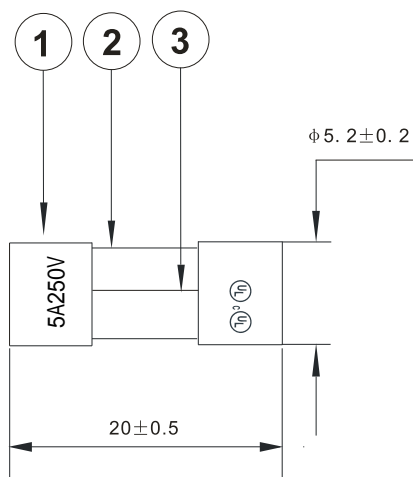
2. 安规认证标准及编号 / Standards and Agency Approvals

2.1 执行标准：遵循 UL 248 -1 / -14。

Standards: In accordance with UL 248 -1 / -14.

3. 结构及尺寸 / Dimensions and Structure

单位：毫米 / Unit: mm



4. 材料明细 / Material Details

| 编号 N O. | 零件名称 Part Name | 材质 Material |
|------------|--------------------|-----------------------------|
| | 铜帽 Cap | 黄铜镀镍 Nickel Plated Brass |
| | 玻璃管 Body | 玻璃管 Glass Tube |
| | 熔丝 Fuse element | 合金 Alloy |

5. 产品标示 / Product Marking

保险丝两端铜帽上需有下列标示。

The fuses cap shall have the following markings.

1) A帽：额定电流+额定电压

5A 250V

2) B帽：安规认证符号



注意 / Note: 对于标示的大小和位置没有规定。

Size and position of the markings shall not be provided.

6. 外观及形状 / Appearances and Configuration

6.1 外观不应出现显著的污点、裂纹，标识应该容易辨识。

There shall not be any remarkable stain and crack on the appearances, markings shall be easily legible.

6.2 形状：小型玻璃管保险丝。

Configuration: Axial Leaded Miniature Glass Tube Fuse.

7. 产品特性 / Product Characteristics

7.1 引脚拉力强度 / Lead Pull Strength

5 牛顿 10±1 秒 / 5N for 10±1 Seconds

7.2 引脚推力强度 / Lead Thrust Strength

2 牛顿 10±1 秒 / 2N for 10±1 Seconds

7.3 可焊性 / Solder ability

波峰焊/Wave : 260°C, ≤3s;

烙铁焊/Soldering Iron: 350±10°C, ≤3s.

7.4 耐焊接热 / Soldering Heat Resistance

波峰焊/Wave : 260°C, 10s;

烙铁焊/Soldering Iron: 350°C, 5s.

8. 电气特性 / Electrical Characteristics

8.1 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 $25 \pm 5^\circ\text{C}$.

8.2 负载能力 / Load capacity:

当保险丝通过 100% 的额定电流时，在 4 小时内不应熔断。

When the fuse loads through 100% of rated current, should blow within 4 hours.

8.3 分断能力 / Interrupting Rating:

保险丝承受分断能力:

10000 安培使用 125 伏交流电源(SFC 对应额定电流 I_n 范围 200mA~20A);

35 安培使用 250 伏交流电源(SFC 对应额定电流 I_n 范围 200mA~1A);

100 安培使用 250 伏交流电源(SFC 对应额定电流 I_n 范围 1.25A~3.5A);

200 安培使用 250 伏交流电源(SFC 对应额定电流 I_n 范围 4A~20A)。

Breaking Capacity:

10000A at 125 V AC (SFC I_n range 200mA~20A);

35A at 250V AC (SFC I_n range 200mA~1A);

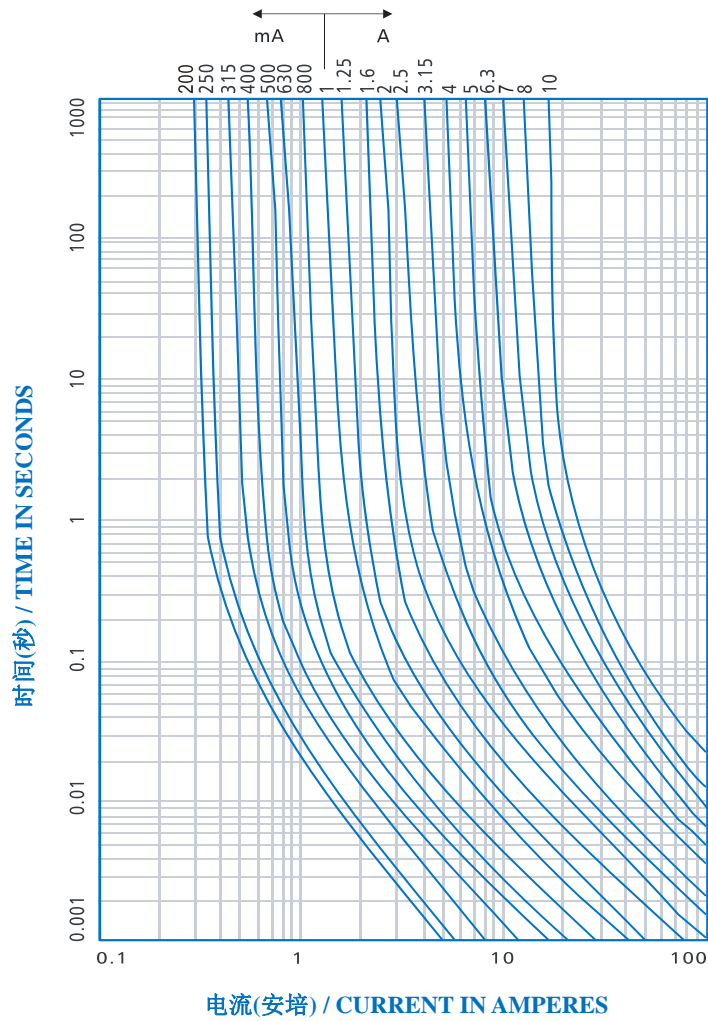
100A at 250V AC (SFC I_n range 1.25A~3.5A);

200A at 250V AC (SFC I_n range 4A~20A).

8.4 熔断时限 / Operating Characteristics

| 熔断电流 % of Ampere Rating(I_n) | 熔断时间 Blowing Ting |
|-------------------------------------|----------------------|
| 100% * I_n | 大于4小时 (4hours Min) |
| 135% * I_n | 小于1小时 (1hour Max) |
| 200% * I_n | 小于5秒 (5 sec Max) |

8.5 平均时间电流曲线图 / Average Time Current Curves



9. 环境特性 / Environmental Characteristic

9.1 使用温度范围 / Operating Temperature

-55°C ~ +125°C。

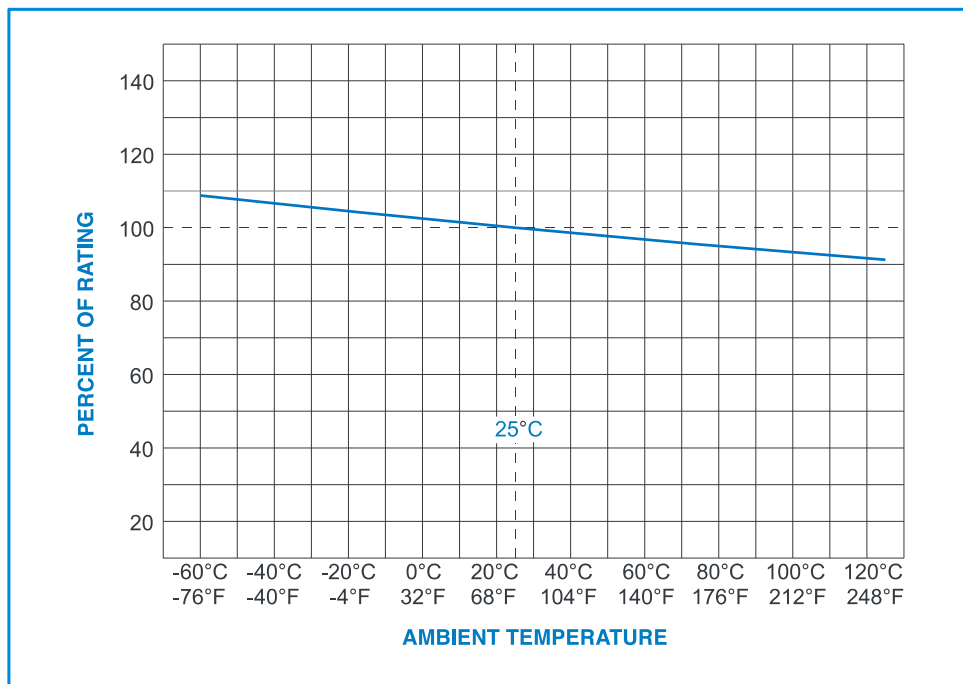
9.2 保存条件 Stock Condition

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.

9.3 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 $20\sim 30^\circ\text{C}$, engineer should consider the environmental temperature's affection to fuses. Please refer: Temperature Rerating Curve:



10. 包装 / Packaging

包装数量 / Packing Quantity

每胶袋 250 个保险丝 / Bulk 250 pcs in per poly bag;

每 10 胶袋 1 个内盒 / 10 poly bags in per inner box;

每 4 个内盒 1 个外箱 / 4 inner boxes in per outer carton

11. 其他 / Others

11.1 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.

11.2 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 EREHWON ELECTRONICS CO.,LTD.* shall amend it by mutual agreement between the parties.