



产品规格书

PRODUCT SPECIFICATION

客户名称: CUSTOMER:	
产品名称: PRODUCT NAME:	贴片保险丝
产品描述: Product description:	4012 贴片保险丝 慢断 编带
型号/规格: Model/specification:	40T 5A250V
料号 Part Number :	
日期: Date:	2025 年 4 月 3 日

供应商-泓达 Supplier-Hongda		确认合格章 Confirm qualified Signet	客 户 Customer	零件承认章 Approval Signet
编 制 PREPARED	李红			
审 核 CHECKED	钱磊			
批 准 APPROVED	孙嘉利			



变更履历

[illegible]



1. 适用范围 Scope of Application

本产品适用于各种电子电路中起过电流保护作用。

This product is suitable for various kinds of electronic machines to work for over current protection.

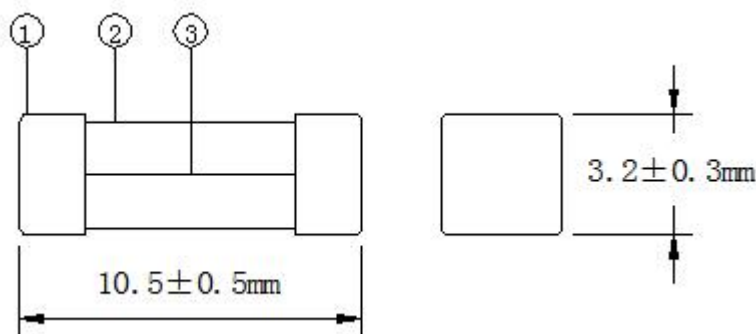
2. 相关标准及认证 Relevant Standards

2.1 执行标准 Standard: UL248-1、UL248-14

认证 Certification	认证范围 Scope of Certification	证书编号 Certification No.
UL/CUL (Recognized)	32mA~20A 65V/125V/250V DC	E318938
UL/CUL (Recognized)	32mA-20A 125V/250V/300V/350V /600V AC	E318938
UL/CUL (Recognized)	25A-100A 72V/125V/250V AC/DC	E500244
TUV	15A 250V/20A250V/30A250V	J 50609026

3. 结构尺寸及原材料明细 Structure Size and Material Detail

3.1 结构尺寸 Structure Size (unit: mm)



3.2 原材料明细 Material Detail

编号 No.	零件名称 Part Name	材质 Material
①	端帽 End cap	黄铜表面镀银 Silver plated brass
②	陶瓷管 Ceramic tube	陶瓷 Ceramic
③	熔丝 Fuse element	合金线 Alloy

4. 标示 Mark

4.1 保险丝上需有下列标示:

The fuse shall have the following marking:

泓达标志 + 额定电流

HONGDA's logo+ Ampere rating



5A



5. 电气特性 Electrical Characteristics

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

Test Condition: All electrical characteristics tests are conducted at an ambient temperature of $25\pm 5^{\circ}\text{C}$.

5.2 时间-电流特性

Time-Current Characteristics

额定电流 Ampere Rating	额定电流的% % of Ampere Rating	熔断时间 Opening Time
32mA~100A	200%	60 S Max.(小于 60 秒)
32mA~100A	1000%	1ms Min.(大于 10 毫秒)

5.3 额定分断能力:

Interrupting Rating:

DC 32V/60V/65V/72V/125V/250V 500A

AC 72V/125V/250V/300V/350V 1000A

AC 600V 200A

6. 环境特性 Environmental Characteristics

6.1 使用温度范围 Operating Temperature

$-40^{\circ}\text{C}\sim 125^{\circ}\text{C}$ 。

6.2 保存条件 Storage Conditions

相对湿度 $\leq 75\%$, 可以存放 3 年。

Relative humidity $\leq 75\%$, store 3 years.

7. 可靠性试验 Reliability Test

7.1 冷热冲击试验 Thermal Shock Test

MIL-STD-202G, Method 107G。

7.2 防潮湿试验 Moisture Resistance Test

MIL-STD-202G, Method 106G。

7.3 振动试验 Vibration Test

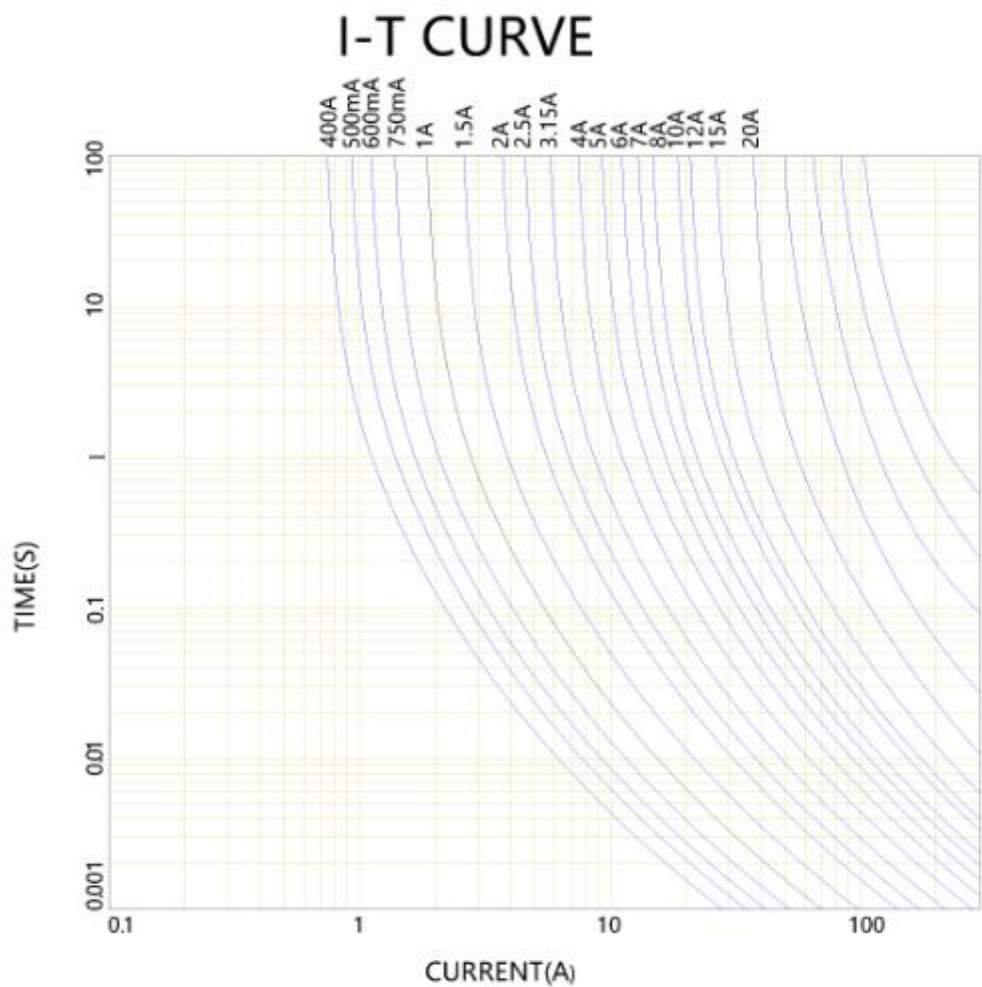
MIL-STD-202G, Method 201A。

7.4 可焊性试验 Solderability Test

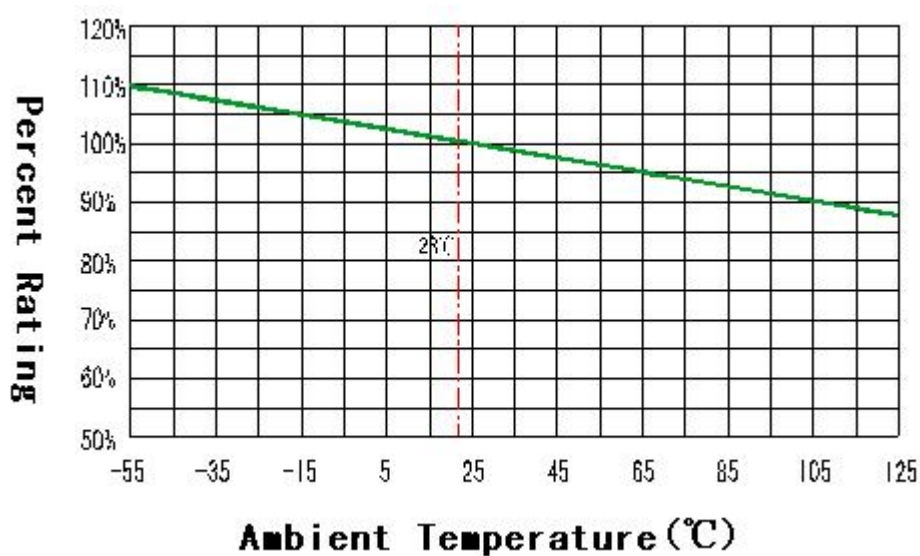
MIL-STD-202G, Method 208H, IEC60127-2, IEC60068-2。



8. 时间-电流曲线图 Time-Current Curve



9. 温度-电流负荷比曲线 Temperature-Current Curve





10. 焊锡参数 Soldering Parameters

10.1 回流焊 Reflow Soldering

10.1.1 温度 Temperature 260℃

10.1.2 时间 Time ≤10 seconds

10.1.3 最大可以承受三次回流焊
Capable for three times reflow

10.2 手工焊锡 Hand Soldering

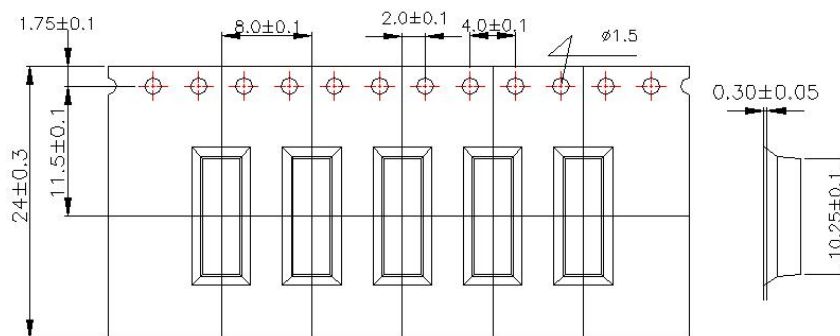
9.2.1 温度 Temperature 380℃

9.2.2 时间 Time ≤3 seconds

11. 包装 Packing

11.1 自动机器包装 **2500PCS/卷**。Automaton taped **2500PCS** per reel.

11.2 包装尺寸 Packing Size (unit: mm)



12. 其他 Others

12-1 如果在使用中有超出本规格书的要求，必须经由双方协商确认。

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

12-2 如果本规格书有不适当的情况，必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 , HONGDA ELECTRONIC CO., LTD. shall amend it by mutual agreement between the parties.

附：承认书后附安规证书及环保报告

Appendix: The specification attached safety certificate and RoHS directive test report.