



产 品 规 格 书

PRODUCT SPECIFICATION

客 户 名 称: CUSTOMER:	三晶
产 品 名 称: PRODUCT NAME:	贴片保险丝
产 品 描 述: Product description:	2410 贴片保险丝 快断 编带
型 号/ 规 格: Model/specification:	24F 20A125V
料号 P/N:	09.14.0008
日 期: Date:	2025 年 02 月 25 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			



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.

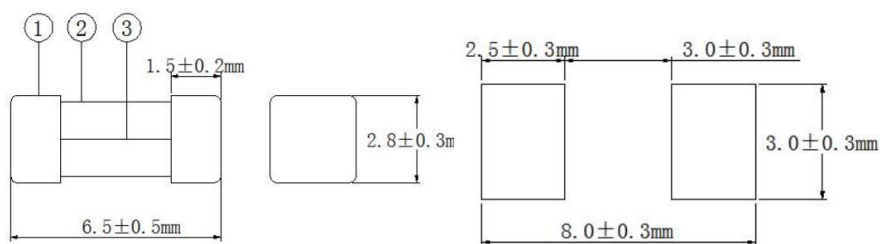
2. 相关标准及认证 Relevant Standards

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 DC	E318938
UL/CUL (Recognized)	32mA~20A 125V DC/AC	E318938
UL/CUL (Recognized)	32mA~60A 250V DC/AC	E318938
UL/CUL (Recognized)	32mA~20A 300V AC	E318938
UL/CUL (Recognized)	32mA-60A 350V AC	E318938
TUV	100mA-20A 125V/250VAC	J 50451020
CQC	500mA-10A 250VAC/125VDC	CQC22012337958
KC	1A/1.6A/2A/2.5A 250VAC	SU05036-22001
KC	3.15A/4A/5A/6.3A 250VAC	SU05036-22002
KC	8A/10A 250VAC	SU05036-22003
KC	500mA 250VAC	SU05036-22004

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



20A

5. 电气特性 Electrical Characteristics

5.1 实验条件: 所有测试环境温度均为 25±5℃。

Test Condition: All electrical characteristics tests are conducted at an ambient temperature of 25±5℃.

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~20A	100%	4 hours Min.(大于 4 小时)
32mA~20A	200%	60 S Max.(小于 60 秒)
25~60A	200%	5 min Max.(小于 5 分钟)

5.3 额定分断能力:

Interrupting Rating:

100Amperes at 250V DC

100Amperes at 350V AC

6. 环境特性 Environmental Characteristics

6.1 使用温度范围 Operating Temperature

-40℃~125℃。

6.2 保存条件 Storage Conditions

相对湿度≤75%，可以存放 3 年。

Relative humidity ≤ 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。

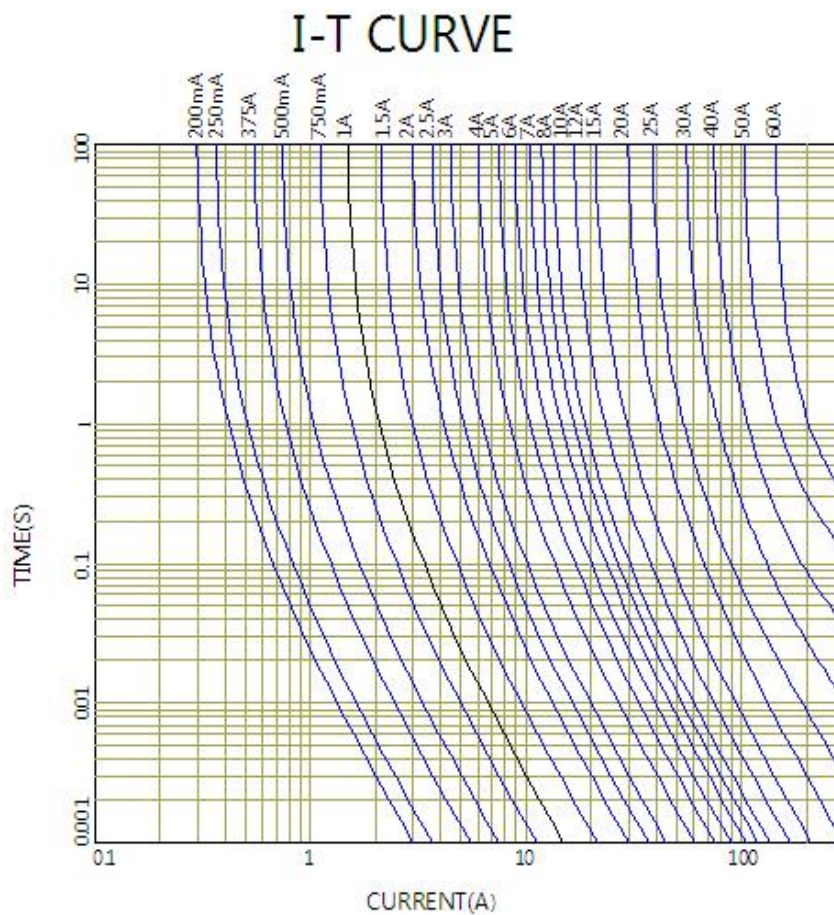
7.3 振动试验 Vibration Test

MIL-STD-202G, Method 201A。

7.4 可焊性试验 Solderability Test

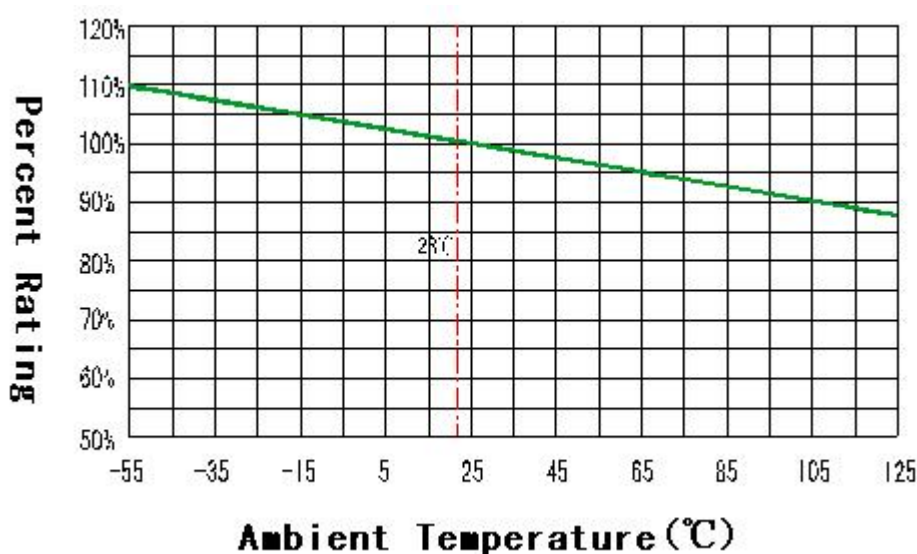
MIL-STD-202G, Method 208H, IEC60127-2, IEC60068-2。

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°C

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

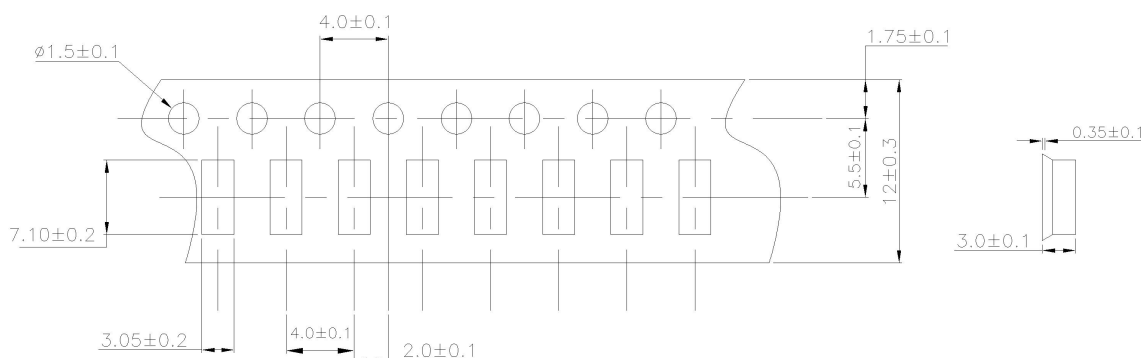
9.2.1 温度 Temperature 380°C

9.2.2 时间 Time ≤3 seconds

11. 包装 Packing

11.1 自动机器包装 1500PCS/卷。Automaton taped 1500PCS per reel.

11.2 包装尺寸 Packing Size (unit: mm)





12. 其他 Others

11-1 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.

11-2 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.