

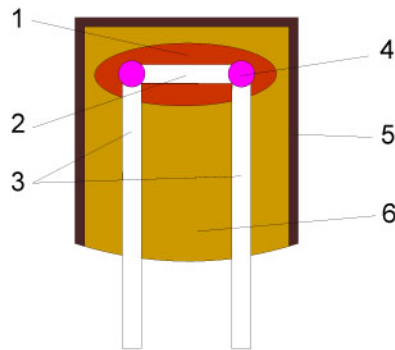
		PRODUCT SPECIFICATION 产品规格书		ISSUED DATE: 2012/08/22	
		RH01 SERIES THERMAL-LINK RH01 系列温度保险丝		REV. NO.: A00	
				DOC. NO.: HLD-PSI-541	
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PREPARED BY		CHECKED BY		APPROVED BY	

1. 适用范围/SCOPE

本规格书适用于公司按照温度保险丝 RH 系列之标准生产的 RH 系列温度保险丝。

This specification defines the technical requirements of RH series thermal-link that are produced according to RH series thermal-link.

2. 材料与结构/ MATERIAL & STRUCTURE



- 1、助熔剂/Fusing Agent 2、熔断点/Fusing Point 3、引线/Lead Wire
4、钎焊点/ Brass Solder 5、塑料外壳/Plastic Shell 6、环氧密封胶/ Epoxy Sealing

3. 产品外观/PRODUCT APPEARANCE



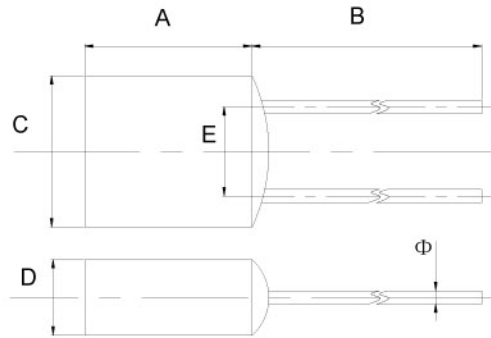
印刷内容：注册商标、系列型号、额定温度、额定电压、额定电流、认证标志。印刷内容必须清楚，封口树脂应均匀填满口部，引脚镀锡层良好，无氧化黑点损伤现象，外壳无破损、穿孔等。

Printing content shall contain Trade Mark, Type, Rated Temperature, Rated Voltage, Rated Current, Safety Approval Logo. Marking shall be legible. Sealing Resin should be spread evenly filled. Tin plated layer of lead wire is good, without oxidation black spots. Shell without damage, perforated.

4 尺寸与温度特性/ DIMENSION & TEMPERATURE PERFORMANCES

4.1 尺寸/ DIMENSION (mm)

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A	B	C	D
7.0	根据客户要求定制	6.0	2.7
6.1	According to the	6.0	2.7
4.4	customer requirement	5.3	2.2

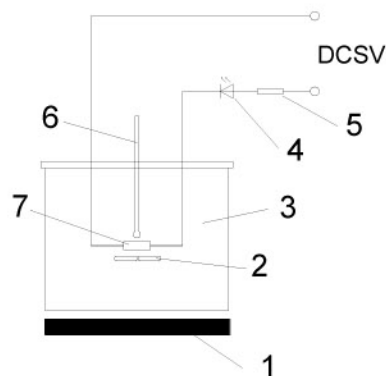
4.2 温度特性/ Temperature Characteristics

型号/Type	额定 动作温度 Rated Functioning Temp. T _f (°C)	实际 动作温度 Fusing-off Temp. (°C)	保持温度 Holding Temp. T _h (°C)	极限温度 Maximum Temp. Limit T _m (°C)	额定电压 Rated Voltage AC (V)	额定电流 Rated Current (A)	安全认证 Safety Approvals		
							TUV	VDE	CCC
RH01-75	75	73±2	48	180	250	1、2、3	○	○	●
RH01-85	85	80±2	55	180			○	○	●
RH01-92	92	87±2	60	180			○	○	●
RH01-105	105	100±2	75	180			○	○	●
RH01-115	115	111±2	80	180			○	●	●
RH01-125	125	121±2	90	180			○	●	●
RH01-130	130	126±1	92	180			○	●	●
RH01-135	135	130±1	95	180			○	○	●
RH01-140	140	136±1	102	180			○	●	●
RH01-145	145	140±1	105	180			○	●	●
RH01-150	150	145±1	115	180			○	●	●
RH01-152	152	147±1	115	180			○	○	○

●表示已取得认证/ Denotes for Approved ○表示申请中/ Denotes for pending

5 试验设备与试验项目/ TEST EQUIPMENT AND TEST ITEM

5.1 动作温度试验设备/Functioning Temperature Test Equipment



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- 1、加热器/Heater 2、搅拌器/Stirrer 3、油池/Oil Bath 4、发光二极管/Light-emitting Diode
5、限流电阻/Current-limiting Resistance 6、温度计/ Thermometer 7、试样/Sample

5.2 试验项目/Test Item

试验条件：温度 25±10°C、湿度 65±15%RH

Test conditions: Temperature 25±10°C, Relative Humidity 65±15%

5.2.1 动作温度试验/Functioning Temperature Test

依照 IEC60691 检验方法。用恒温箱内置硅油池测量。

Functioning Temperature is Tested according to IEC60691. put the oil bath in the constant temperature oven to measure.

5.2.2 尺寸/Dimension

将样品用千分尺/游标卡尺测定。Sample's dimension be conducted by micrometer/vernier caliper.

5.2.3 外观/Appearance

目视检查。Compliance is checked by inspection.

5.2.4 绝缘电阻试验/Insulation Resistance

将样品用 SP-3A 数字兆欧仪测定，测量电压 DC500V，样品绝缘电阻≥0.2MΩ。

Insulation resistance shall be measured with a D.C. voltage of 500V by SP-3A digital megohm meter. The measured between the open terminals is not less than 0.2MΩ.

5.2.5 绝缘强度/ Dielectric Strength

将样品用 ZNY-12 耐压试验机测定，测试时间 1 分钟，样品不损坏、不击穿。

Dielectric strength shall be measured by ZNY-12 voltage tester and the test voltage shall be applied for 1 minute, sample shall have no defects such as damage, breakdown.

5.2.6 拉力试验/Tensile Test

将样品用推拉检测仪测定，引脚承受 1.5 磅的拉力 10 分钟，样品无损坏。

Tensile Test be conducted by push-pull detector, 1.5 pounds of tensile force shall be applied to Lead wire for 1 minute and it is not damaged.

5.2.7 扭转试验/ Bending/twist test

距温度保险丝本体 10mm 处，引脚弯折 90°，再反向扭转 180°，样品无损坏。

Lead wire shall be bent through 90° at a location 10 mm from the body of the thermal-link and then twisted through 180°, it is not damaged.

6 检查/INSPECTION

6.1 LOT 的定义/ Lot Definition

使用同一材料，同一制造条件下连续生产的制品为 1LOT。

The products which are produced of same material in the same manufacturing conditions can be 1 lot.

6.2 检查方式/Inspection Mode

外观：制造现场全数检验。

特性：以抽查方式，性能指标检验Ac=0。

Appearance: one hundred percent inspection on line.

Characteristics: Products is inspected in spot check and Performance index test Ac=0.

6.3 检查数量/ Inspection Quantity

抽检数量参照 MIL-STD-105ES3。150,000 以上抽检 50 个，150,000 以下抽检 32 个。

Samples are inspected according to MIL-STD-105ES3, product are inspected 50EA when the quantity is not less than 150,000EA, it is inspected 32EA when the quantity is less than 150,000EA.

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7 试验标准/TEST STANDARDS

试验项目/Test Item	单位/Unit	标准/Standard	试验设备/Test Equipment
动作温度 Functioning Temperature	°C	Tf +0/-10°C	恒温箱/Oven
高压试验 High Voltage Test	V	1000+2U _r	耐压检测仪 Voltage Tester
绝缘电阻 Insulation Resistance	MΩ	>2	数字兆欧仪 Digital Megohm Meter
内阻/ Resistance	mΩ	<1	电桥内阻仪 Bridge Resistance Meter
温检后高压试验 High Voltage Test After Temperature Test	V	>500	耐压检测仪 Voltage Tester
温检后绝缘电阻 Insulation Resistance After Temperature Test	MΩ	>0.2	数字兆欧仪 Digital Megohm Meter
扭曲 Bending/twist test	/	每根引线在距温度保险丝本体 10mm 处弯折 90°,再反向扭曲 180°而不损伤元件。 lead wire shall be bent through 90° at a location 10 mm from the body of the thermal-link and then twisted through 180°, it is not damaged.	手动操作 Manual Operation

8 检验报告/Inspection Report

客户要求提供检验报告时, 则提供动作温度准确性、绝缘电阻、耐压、引脚拉力、引脚扭转之成品检验记录。
We will providing the test report if customer require, the test report include functioning temperature, insulation resistance, voltage test, tensile and bending/twist test of lead wire test report.

9 包装及标识/ PACKING & MARKING

9.1 包装/ Packing

100 只/小包→30 包/盒→15 盒/箱

100EA/little plastic bag→30 little plastic bags /inner box→15 inner boxes/ external carton

9.2 标识/Marking

在制品和包装上容易看到地方标示以下事项:

The markings for every thermal-link and packaging shall be prescribed as below:

- 1) 型号/Type
- 2) 额定温度/Rate Temperature
- 3) 额定电流、额定电压/Rate Current & Voltage
- 4) 包装数量/Packing Quantity
- 5) 生产日期/Production Date

10 保存期及存放条件/Storage & Storage Condition

温度保险丝保存期为贵司入库后 12 个月。避免日光照射及污染的环境, 且于温度 (25-35°C)、湿度 (65-75%RH) 的条件下保存。

The storage life of thermal-link is 12 month from customer put in storage. Thermal-link must be storage in 25°C to 35°C and relative humidity is 65% to 75%, the environment must be avoid sun exposure and pollution.