# 产品承认书

## SPECIFICATION FOR APPROVAL

供 应 商
Supplier: 惠州市长瑞工贸有限公司

品　　名
Product Name: 环形电感

规格型号
Type: T038-125-22uH±15%(CR2928)

长瑞料号
CRnumber: CR2928

客户名称
Customer:

客户料号
Number:

客户描述
Description:

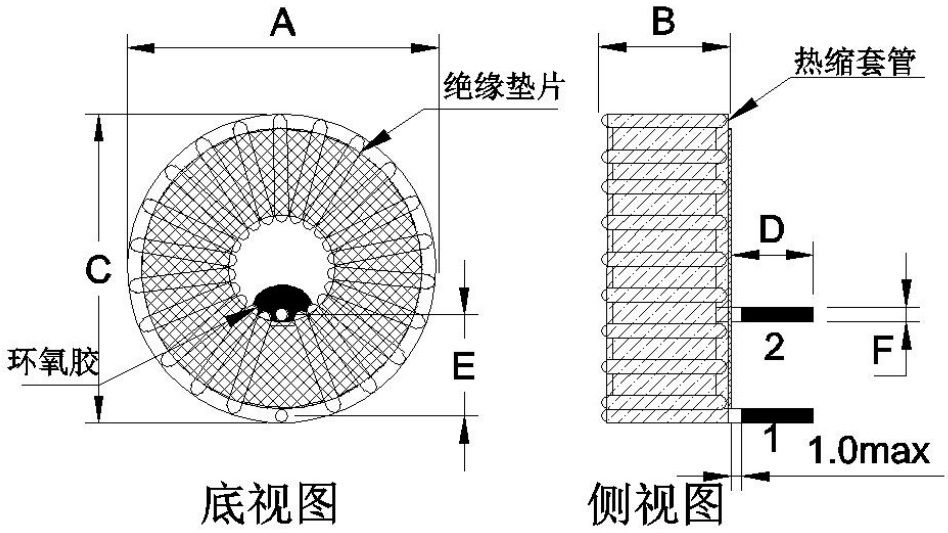
| 客户确认 Customer confirmation | | | 供应商确认 Vendor confirmation | | |
|---|---|---|---|---|---|
| 接收 Receive | 审核 Checked | 批准 Approval | 拟制 Fiction | 审核 Checked | 批准 Approval |
| | | | | 夏欢 | |

惠州市长瑞工贸有限公司（Huizhou Changrui Industry and Trade Co., Ltd.）
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## ■变更履历表Change of resume

| 版本<br>version | 日 期<br>Date | 变更内容及原因<br>Change Content and Reasons | 拟制<br>Fiction | 批准<br>Approval |
|---|---|---|---|---|
| V1.0 | 2024-8-15 | 1.新制作/发行 | 刘珊萍 | 夏欢 |
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## ■外观尺寸 Dimensions




备注：单漆包线密绕，卧式 ； 点胶固定进出线；需含浸；套轮胎套管，底部贴绝缘垫片。

| 尺寸规格 mm | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| | 12.5max | 7max | 13max | 4±1 | 5ref | 0.5±0.1 |

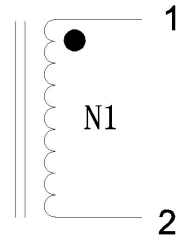
## ■重点技术参数 Important ability

### 1.主要电性参数 The main performance parameters

| 序号 (N0) | 项 目 Parameter | 测试端 Test terminal | 测试结果 Results | 测试条件/设备 TEST CONDITION INSTRUMENT |
|---|---|---|---|---|
| 1 | 电感量 Inductance | 1-2 | 22uH±15% | at25℃,1KHz,0.25V,100Ω/ ZX1085BX |
| 2 | 直流电阻 DC Resistance | 1-2 | ≤20mΩ | at25℃/TH2512B |
| 3 | 绝缘阻抗 Insulation impedance | COIL-CORE | 100MΩmin | 500VDC / ZX9320S-4 |
| 4 | 温升电流 Irms | 1-2 | △T＜40℃ | 2A/ZX1373X-12A |
| 5 | 饱和电流 Iast | 1-2 | L＞60%L0 | 2A/ZX1373X-12A |
| 6 | 层间短路 Layer short | 1-2 | 波形变化＜15%，无打火现象 | 1000V REF/2882A-5 |

备注:电检成品在 25℃环境下摊开静置 3 小时，测试电参数。

### 2.电路图 Circuit diagram




● 表示起绕点

### 3.材料参数 Material parameters

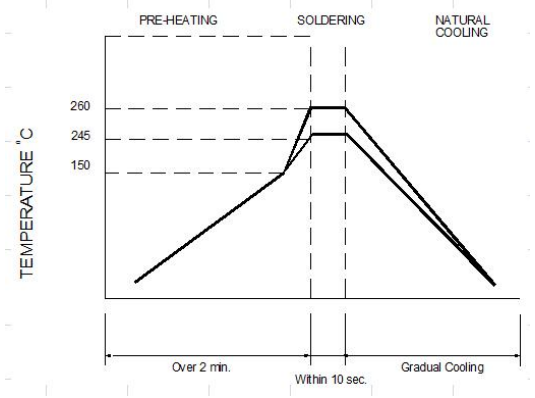
| | |
|---|---|
| 磁芯 Core | 铁硅铝T038-125 |
| 线材 Wire | N1(1-2): QA-1/155Φ0.5mm本色 |
| 参考圈数 Number of turns | 17.5Ts |

## 材料明细 Material detailed

| NO. | 名称 Item | 材料 Material | 温度 temperature | 制造厂商 Manufacturer | UL 号 |
|---|---|---|---|---|---|
| 1 | 磁芯 Core | 铁硅铝 T038-125 | / | Boluo Chenxing Electronic Technology Co., LTD | |
| 2 | 漆包线 wire | QA-1/155 | 155℃ | HONGQI GROUP JIANGXI COPPER CO.,LTD | E355168 |
| 3 | 锡 Sn | SC07 | / | Guangdong Zhongshi Metal Co., Ltd | |
| 4 | 凡立水 Varnish | JX-1150(*) | 130℃ | Yueyang GREEN Technology Co., LTD | E303754 |
| 5 | 热缩套管 Tube | S-901-600 | 125℃ | DONGGUAN SALIPT Co LTD | E209436 |
| 6 | 环氧胶 EPOXY | 3300A/B-1 | 130℃ | DONGGUAN EATTO ELECTRONIC MATERIAL CO.,LTD. | E218090 |
| 7 | 绝缘垫片 BASE | PET | | Jiangsu Yuxing Film Technology Co.,Ltd | E212271 |

## 应用技术说明 Application technical description

### 1.过波峰焊特性 Wave soldering




### 2.温度环境 temperature environment

1、 贮存时间：常温存储不超过 6 个月。Storage at room temperature for no more than three months

2、 工作温度：-40℃~125℃。Working temperature:-40℃~125℃

3、 推荐储存温度：室温、相对湿度小于 75%。

Recommended storage temperature: room temperature, relative humidity is less than 75%

### 3.外观质量 Appearance quality:

1、产品表面不允许有明显损伤。产品表面无标记。

The product surface does not allow any damage. Product surface without marks.

2、外形及尺寸参考绘图。

Shape and size reference drawing。

### 4.包装方式 Packaging：

1、内包装：吸塑或珍珠棉 skin packing/EPE packing

2、外包装：纸箱 the outer packing: carton

3、合格证：包括产品名称或型号、数量、批号/日期、检验员 certificate of approval, including the product name or model, quantity, batch number/date and inspector

# 测试报告

| 尺寸 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 类目 | A | B | C | D | E | F | | | |
| 要求 | 12.5max | 7max | 13max | 4±1 | 5ref | 0.5±0.1 | | | |
| 1 | 11.6 | 6.1 | 12.0 | 3.9 | 5.2 | 0.48 | | | |
| 2 | 11.7 | 6.1 | 12.0 | 3.8 | 5.5 | 0.49 | | | |
| 3 | 11.7 | 6.0 | 12.1 | 3.9 | 5.6 | 0.48 | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |
| Min | | | | | | | | | |
| Max | | | | | | | | | |
| Average | | | | | | | | | |
| Judge | OK | OK | OK | OK | OK | OK | | | |
| 单位：mm | | | | | | | 检验结果：合格 | | |

| 电性 | | | | | | |
|---|---|---|---|---|---|---|
| 序号 | 电感量 | 直流电阻 | 层间短路 | | | |
| 标准 | 22uH±15%<br>1KHz,0.25V,100Ω | ≤35mΩ | 1000V 波形变化＜15%，无打火现象 | | | |
| 1 | 21.5 | 25.6 | PASS | | | |
| 2 | 21.8 | 25.5 | PASS | | | |
| 3 | 21.3 | 25.6 | PASS | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| Min | | | | | | |
| Max | | | | | | |
| Average | | | | | | |
| Judge | OK | OK | OK | | | |
| 结论 | 合格 | | 备注 | | | |

检验员：宁艳凤