

深圳市吉祥腾达电子有限公司

SHENZHEN LUCKY TENDA ELECTRONIC CO.,LTD

客户/CUSTOMER:

客户代码/CUSTOMER CODE: T

请承认书

SPECIFICATION FOR APPROVAL

产品名称/DESCRIPTION: TD 扁平线共模电感
 客户型号/CUSTOMER MODEL: TD1010-8mH min
 客户编码/CUSTOMER CODING:
 吉祥腾达型号/LUCKY TENDA MODEL: TD1010-8mH min
 版本/EDITION: A 0 立式: 5.8*7
 日期/DATE: 2025/2/8

承制方确认/MANUFACTURER

使用方确认/CUSTOMER APPROVED

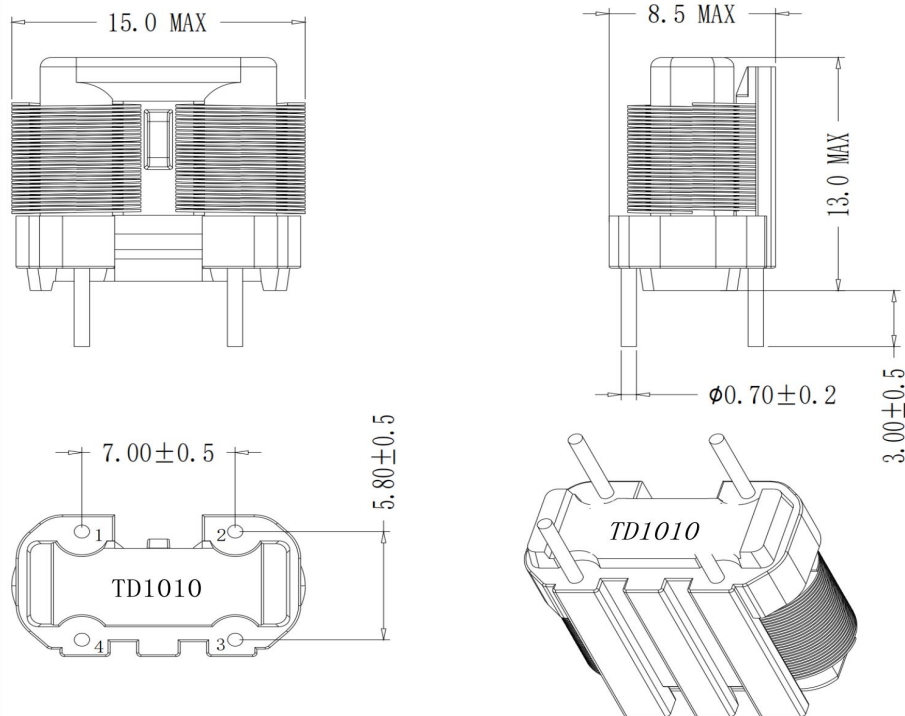
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|---------------|---------------|--------------|
| 编制 DRAWING | 审核 CHECKED | 批准 RATIFY |
| 杨承文 | 工程部 曹高兴 | 丁启银 |

| | | | |
|------------------------|-------------------------|-------------------------------|---------------------------|
| 开发审核 R&D CHECKED | 项目审核 ITEM CHECKED | 工艺审核 TECHNOLOGY CHECKED | 品质批准 QUALITY RATIFY |
| | | | |

承制方: 深圳市吉祥腾达电子有限公司
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 网址/URL: http://www.luckv-tenda.com

1. 安装尺寸及 外形图 /CONFIGRATION & DIMENSIONS UNIT:mm

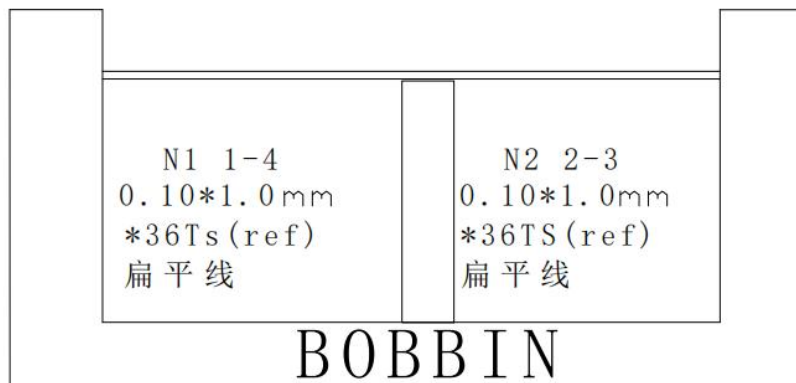
PCB板孔径 ≥ Φ 1.2mm



丝印说明：底部丝印标识为产品骨架标识，底部有二种丝印方式参考如下：

- 1: 吉祥腾达 15813848087 (吉祥腾达为我司公司名, 15813848087 为我司联系方式)
- 2: 无编码 (底部无丝印)
- 3: TD1010 (TD1010为产品系列名)

2. 内部结构图/WINDING CONSTRUCTION



3. 线圈连线图/CONNECTION



4. 绕制工艺要求/MANUFACTURE SPECIFICATION

1. 底座 (2+2), 磁芯为TD1010磁芯;
2. 绕制顺序为: N1同时绕制N2;
3. 产品需浸油, 无铅制程;

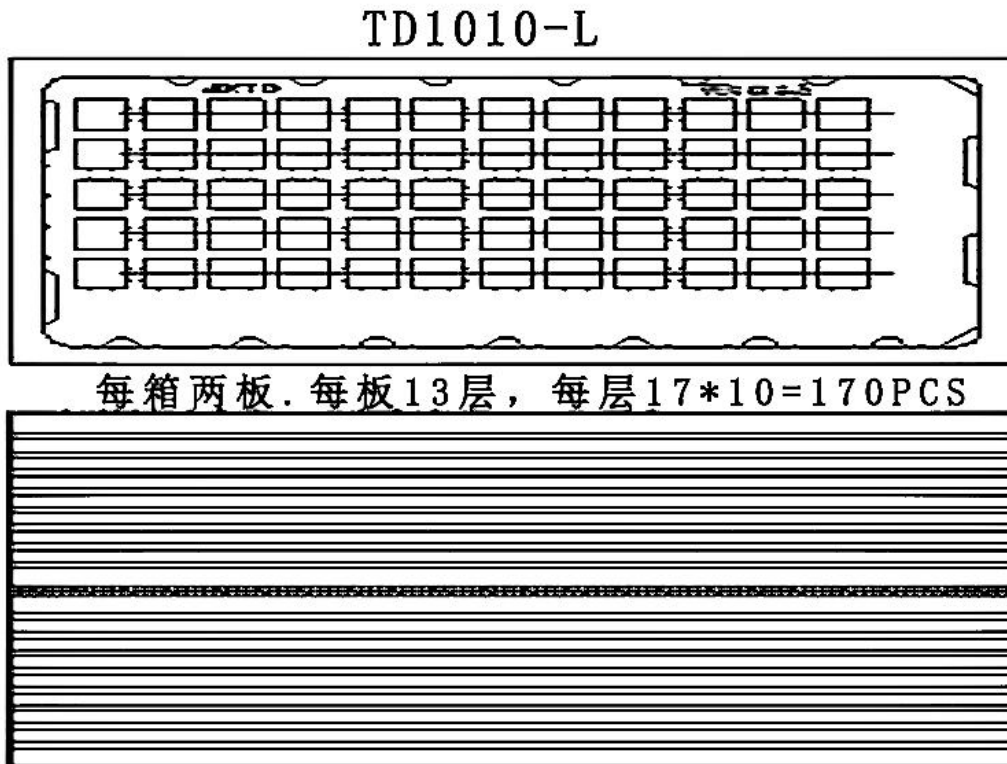
5. 电气参数/ELECTRIC CHARACTER

| 序号 NO. | 名称ITEMS | 测量端 MEASURED POINT | 测量值 TECHNICAL DATA | 测试条件 TESTING CONDITION | 测试仪器 APPARATUS |
|-----------|--------------------------|-----------------------|--------------------------|---------------------------|----------------------------------|
| 1 | 电感量 INDUCTANCE | $L_{1-4}=L_{2-3}$ | 8mH min | 1KHz, 0.25V 25°C | HP4284A 或内阻为 100 Ω 测试仪 |
| 2 | 直流电阻 DC Resistance | $DCR_{1-4}=DCR_{2-3}$ | 180 m Ω MAX | | |
| 3 | 抗电强度 HI-POT TEST | COIL 1 TO COIL 2 | 无击穿 | 1.5KVAc 5mA 3 SEC | CS9912BI |
| | | PRIMARY - CORE | | 1.0KVAc 5mA 3 SEC | |
| 4 | 电感平衡比 | N1:N2 | 1: 1 \pm 2% | 1KHz, 0.25V | CH3250 |

6.包装、外观和检验要求/PACKAGE SEMBLABLE AND TEST REQUIREMENT

6.1 包装(PACKING REQUIREMENT)

①包装箱上标明产品型号、名称、数量、生产周期，出厂日期、承制方名称及出厂检验章；最小包装 4420PCS (TYPE ,PRODUCT NAME ,QTY,MANUFACTURE PERIOD ,SHIPPING DATE ,SUPPLIER NAME AND THE STAMP OF OUT-INSPECTION MUST BE STATED IN THE OUT PACKAGING.)



②不同生产周期的同一产品不得放入同一包装箱内；(THE SAME PRODUCT BUT DIFFERENT MANUFACTURE PERIOD NUMBER MUSTN'T BE PUT IN THE SAME CONTAINER)、

③货物运达客户方后，包装箱封条应完好，箱体无破损、开裂等现象；(COMPLETE SEAL, NO BREAKAGE ON OUTER CONTAINER , NO CRACK IS REQUIRED WHEN THE CUSTOMER RECEIVED THE GOODS)

④开箱后，箱内包装材料无破损。产品应分层、间隔包装，不满一箱应加垫填充物。(THE PACKING MATERIALS CAN'T HAVE ANY BREAKAGE WHEN OPENING THE CONTAINER . THE PRODUCTS SHOULD BE PACKED IN LAYER AND SPACER . IF THERE ARE NO ENOUGH PRODUCTS TO A CONTAINER , FILLER WILL BE PUT IN)

6.2 外观(APPEARANCE REQUIREMENT)

| | | |
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客 户/CUSTOMER: T
承制方/MANUFACTURER: 吉祥腾达电子

型 号/MODEL: TD1010-8mH
版本/EDITION: A0 第 5 页 共 8 页

①每件最小包装应有耐擦防水洗标签或印字, 应注明生产周期、型号或规格; (THE LABEL OF WATERPROOF OR LETTERING SHOULD BE NEEDED ON EACH MINIMUM PACKING AND MANUFACTURE PERIOD ,TYPE OR SIZE SHOULD BE STATED)

②外观整洁。(KEEP THE APPEARANCE NEAT)

6.3 检验(CHECKING REQUIREMENT)

①产品生产中必须全数进行电气性能检测; (DURING PRODUCTION,ALL PRODUCTS MUST BE TESTED ELECTRIC CHACTER AND ELECTRICITY-RESISTANT INTENSITY)

②产品出货前按批次, 必须根据承认书按国家行业标准进行抽样检验, 合格后出具出厂检验报告, 记录抽样测试数据。

(BEFORE SHIPPING , THE PRODUCT MUST BE HAD A SAMPLING TEST ACCORDING TO ACKNOWLEDGMENT BY NATIONAL INDUSTRY STANDARD . TEST REPORT WILL BE SHOWED AND THE DATE OF TESTING WILL BE NOTED AFTER QUALIFIED .)

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7. 材料清单/MATERIAL LIST

LIST1

| ITEM | TYPE | MATERIAL | SPEC | | MANUFACTURE | UL NO. |
|---------|-------------|-----------|------|------|---|---------|
| | | | °C | UL94 | | |
| WIRE | Φ0.10*1.0mm | @*UEW180 | 180 | N/A | Guangdong lizewire Electric Technology Co Ltd | E504985 |
| | | @*xUEW180 | | | GUANGDONG SUNTEK WIRE CO.,LTD | E234867 |
| Varnish | N/A | RT9669 | 155 | V-0 | ShenZhenNobleFlowerTechnology IndustrialCoLTD | E480212 |

LIST 2

| ITEM | TYPE | PRODUCT MANUFACTURE | MATERIAL | SPEC | | MATERIAL MANUFACTURE | UL NO. | ROHS |
|--------|----------|--------------------------------|----------|------|------|----------------------------|--------|------|
| | | | | °C | UL94 | | | |
| BOBBIN | TD1010底座 | MEIRISHENG ELECTRONICS CO; LTD | T375HF | 150 | V-0 | CHANG CHUN PLASTICS CO LTD | E59481 | Y |

LIST 3

| ITEM | TYPE | MATERIAL | SPEC | | MANUFACTURE |
|------|--------|--------------------|------|------|---|
| | | | °C | UL94 | |
| CORE | TD1010 | R12K OR EQUIVALENT | N/A | N/A | ShanDongHengRui Magent technolgy co.,ltd |
| | | | | | DongGuan City JiuXin Magnetic Material Co.,Ltd. |

4. 存储条件: 温度-10~40℃ 相对湿度: 30~70%,

禁止将产品保管在腐蚀性物质中,如硫磺,氯气或酸,否则将引起端头氧化,导致降低焊接性. 为了避免受潮气,灰尘等物质的影响,产品应保管于货架上. 产品保管在库房中,应避免热冲击,振动以及直接光照等.

更改说明/REJIGGER EXPLAIN:

| 序号 SERIAL | 更改地方 REJIGGER PLACE | 更改原因 REJIGGER CAUSATION | 责任归属 RESPONSIBILITY BELONG TO | 更改收益 REJIGGER INCOME |
|--------------|---------------------------|-------------------------------|-------------------------------------|----------------------------|
| | | | | |
| | | | | |
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客户/CUSTOMER: T
 承制方/MANUFACTURER: 吉祥腾达电子

型号/MODEL: TD1010-8mH
 版本/EDITION: A0 第 7 页 共 8 页

检 验 报 告

| MEAS. ITEM | | L(1-4) mH | L(2-3) mH | DCR(1-4) mΩ | DCR(2-3) mΩ | L _k 1-4 短路 L(2-3) |
|--|---------|--------------|--------------|----------------|----------------|---------------------------------|
| SPEC. | YOUR | | | | | |
| | SUGGEST | 8 min | 8min | 180MAX | 180MAX | 漏感 |
| TEST FREQ. | | 1KHz/0.25V | 1KHz/0.25V | 内阻 100Ω | 内阻 100Ω | 1KHZ/0.25V |
| 1 | | 18.4 | 18.4 | 163 | 163 | 39uH |
| 2 | | 19.9 | 19.9 | 164 | 164 | 40uH |
| 3 | | 14.9 | 14.9 | 163 | 163 | 40uH |
| 4 | | 17.4 | 17.4 | 163 | 163 | 40uH |
| 5 | | 15.6 | 15.6 | 163 | 163 | 38uH |
| 6 | | 14.8 | 14.8 | 163 | 163 | 40uH |
| 7 | | 15.2 | 15.2 | 163 | 163 | 38uH |
| 8 | | 15.2 | 15.2 | 164 | 164 | 38uH |
| YOUR SAMPLE | | | | | | |
| TEST CONDITION: TEMP.: 25℃ (REF.) R.H.: 60% (REF.) | | | | | | |
| REMARK: HI-POT TEST OK | | | | | | |
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