

# Product Specifications sheet



|                   |             |
|-------------------|-------------|
| Specification No. | 20240708001 |
| Effective date    | 2024/7/8    |

|                  |                                          |
|------------------|------------------------------------------|
| Customer Name:   | 华联                                       |
| Product Model    | 线圈 Coil                                  |
| DZ Part No.      | TX-DZ5005.3010-K10-L70 (double-slotting) |
| Customer item No | N32313000023                             |

【 ☒ New issue , ☐ version revision 】

【 This specification includes contents and 7 pages in total 】 【 RoHS Compliant Parts 】

| organize         | Check | Approval         |
|------------------|-------|------------------|
| 钟建立Zhong Jian Li | /     | 马湘平Ma Xiang Ping |

Guangdong Dingzhi electronic Technology Co., LTD

Factory address: 1F, 1231 Yingbin Avenue, Longmen County,  
Huizhou City, Guangdong Province

Tel: 13147097490

【Within 30 days after the customer receives this acknowledgement, please return it with your signature and seal. If it is overdue, it will be deemed that the production will be carried out according to the standards of this acknowledgement】 .

【customer approval】

Date:

Recognition status: ☐ full recognition ☐ conditional recognition ☐ refusal

| Approval | Review | Recheck | Check |
|----------|--------|---------|-------|
|          |        |         |       |

remark:

Product Specifications sheet

|                        |                                          |                           |                  |
|------------------------|------------------------------------------|---------------------------|------------------|
| Customer Name:         | 华联                                       | Item No                   | N32313000023     |
| DZ Part No.            | TX-DZ5005.3010-K10-L70 (double-slotting) | Specification No.         | 20240708001      |
| Issue/Revision History |                                          |                           |                  |
| Version                | Effective date                           | Change content / reason   | Approval         |
| 01                     | 2024/7/8                                 | New specification release | Ma Xiang Ping    |
|                        |                                          |                           |                  |
|                        |                                          |                           |                  |
|                        |                                          |                           |                  |
| organize               |                                          | check                     | approval         |
| 钟建立Zhong Jian Li       |                                          | /                         | 马湘平Ma Xiang Ping |

# Product Specifications sheet

|                               |                                         |                             |                              |                                                              |                  |    |                 |                                                                                      |  |  |
|-------------------------------|-----------------------------------------|-----------------------------|------------------------------|--------------------------------------------------------------|------------------|----|-----------------|--------------------------------------------------------------------------------------|--|--|
| Customer Name:                | 华联                                      |                             | Customer item No             | N32313000023                                                 |                  |    |                 |                                                                                      |  |  |
| DZ Part No                    | TX-DZ5005.3010-K10-L70（double-slotting） |                             | Specification No.            | 20240708001                                                  | version          | 01 |                 |                                                                                      |  |  |
| <div>◆、外形尺寸</div> <div></div> |                                         |                             |                              | (unit: mm)                                                   |                  |    |                 |                                                                                      |  |  |
|                               |                                         |                             |                              | A                                                            | 50.0 ±1.5        |    |                 |                                                                                      |  |  |
|                               |                                         |                             |                              | B                                                            | 46.0 ±2.0        |    |                 |                                                                                      |  |  |
|                               |                                         |                             |                              | C                                                            | 19.5 ±1.5        |    |                 |                                                                                      |  |  |
|                               |                                         |                             |                              | D                                                            | 70.0 ±2.0        |    |                 |                                                                                      |  |  |
|                               |                                         |                             |                              | E                                                            | 10.0 Ref         |    |                 |                                                                                      |  |  |
|                               |                                         |                             |                              | F                                                            | 3.0 ±2.0         |    |                 |                                                                                      |  |  |
|                               |                                         |                             |                              | G                                                            | 6.00 ±0.2        |    |                 |                                                                                      |  |  |
|                               |                                         |                             |                              | H                                                            | 2.60 ±0.5        |    |                 |                                                                                      |  |  |
|                               |                                         |                             |                              |                                                              |                  |    |                 |                                                                                      |  |  |
|                               |                                         |                             |                              | (1)Wire diameter: 0.08 * 105p Silk-covered wire              |                  |    |                 |                                                                                      |  |  |
|                               |                                         |                             |                              | (2)Number of windings: 12TS                                  |                  |    |                 |                                                                                      |  |  |
|                               |                                         |                             |                              | (3)Whether the starting and ending lines cross: Yes          |                  |    |                 |                                                                                      |  |  |
|                               |                                         |                             |                              | (4)Coil wrapped with 8mm high temperature adhesive tape      |                  |    |                 |                                                                                      |  |  |
|                               |                                         |                             |                              | (5)The coil and magnetic sheet shall be pasted in the center |                  |    |                 |                                                                                      |  |  |
|                               |                                         |                             |                              | (6)Disc back 49 round slot 3M glue                           |                  |    |                 |                                                                                      |  |  |
|                               |                                         |                             |                              | ◆、Electrical characteristics::                               |                  |    |                 | (7)Stick 6*6*1.5 double-sided sponge tape on the front of the magnetic disc as shown |  |  |
|                               |                                         |                             |                              |                                                              |                  |    |                 |                                                                                      |  |  |
|                               |                                         |                             |                              | parameter                                                    | specification    |    | Test conditions | Test instrument                                                                      |  |  |
| L0                            | 10 ±10%                                 | μH                          | 100KHz/1V                    | ■TH1816B                                                     |                  |    |                 |                                                                                      |  |  |
| Q                             | >40                                     | min                         | 100KHz/1V                    | ■TH1816B                                                     |                  |    |                 |                                                                                      |  |  |
| DCR                           | <90                                     | mΩ                          | @ 25℃                        | ■CH-502BC                                                    |                  |    |                 |                                                                                      |  |  |
| ◆、Temperature class:          |                                         |                             |                              |                                                              |                  |    |                 |                                                                                      |  |  |
| Operating temperature         | -40℃~ 125℃                              |                             |                              |                                                              |                  |    |                 |                                                                                      |  |  |
|                               |                                         |                             |                              |                                                              |                  |    |                 |                                                                                      |  |  |
| ◆、list of materials:          |                                         |                             |                              |                                                              |                  |    |                 |                                                                                      |  |  |
| Item                          | Product Name                            | Material specification      | Remark                       |                                                              |                  |    |                 |                                                                                      |  |  |
| 1                             | Magnetic sheet                          | 50*5.3*1.0T double-slotting | PC40 zinc                    |                                                              |                  |    |                 |                                                                                      |  |  |
| 2                             | Copper wire                             | 0.08*105P                   | Acetone silk covered wire    |                                                              |                  |    |                 |                                                                                      |  |  |
| 3                             | High temperature adhesive tape          | 8MM                         | Eco-friendly adhesive tape   |                                                              |                  |    |                 |                                                                                      |  |  |
| 4                             | glue                                    | 3M adhesive tape            | Eco-friendly adhesive paper  |                                                              |                  |    |                 |                                                                                      |  |  |
| 5                             | tin                                     | 107H                        | Environmentally friendly tin |                                                              |                  |    |                 |                                                                                      |  |  |
| 6                             | glue                                    | 黄胶yellow glue               | Eco-friendly glue            |                                                              |                  |    |                 |                                                                                      |  |  |
| organize                      |                                         | check                       |                              |                                                              | approval         |    |                 |                                                                                      |  |  |
| 钟建立 Zhong Jian Li             |                                         | /                           |                              |                                                              | 马湘平Ma Xiang Ping |    |                 |                                                                                      |  |  |

# 产品规格书



|      |             |
|------|-------------|
| 规格编号 | 20230106001 |
| 生效日期 | 2023/1/6    |

|      |                            |
|------|----------------------------|
| 客户名称 | 华联                         |
| 产品类型 | 线圈                         |
| 顶智料号 | TX-DZ5005. 3010-K10-L70开双槽 |
| 客户料号 | N32313000023               |

【☒新版发行, ☐版本修订】 【本规范含目录共 7 页】 【RoHS Compliant Parts】

|     |    |     |
|-----|----|-----|
| 编制  | 审核 | 批准  |
| 钟建立 |    | 马湘平 |

## 东莞市顶智电子科技有限公司

工厂地址：东莞市塘厦镇新苑南路5号鑫博晟产业园A栋东面7楼  
电话：13147097490

本承认书在客户收到30天内，请务必签章返回，逾期视为生产时按此承认书的标准执行。

### 【客户核准】

日期:

承认状态： ☐完全承认 ☐条件承认 ☐拒绝承认

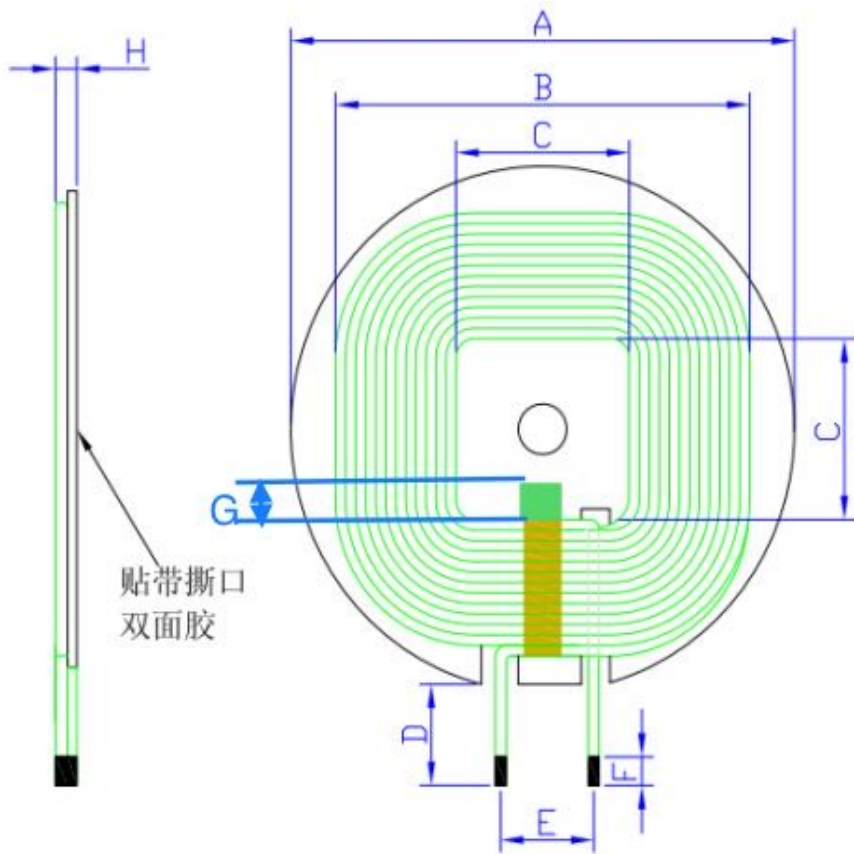
|    |    |    |    |
|----|----|----|----|
| 批准 | 审核 | 复检 | 检查 |
|    |    |    |    |

说明:

产品规格书

|         |                            |         |              |
|---------|----------------------------|---------|--------------|
| 客户名称    | 华联                         | 客户料号    | N32313000023 |
| 顶智料号    | TX-DZ5005. 3010-K10-L70开双槽 | 规格编号    | 20230106001  |
| 发行/修订记录 |                            |         |              |
| 版本      | 生效日期                       | 变更内容/原因 | 核准           |
| 01      | 2023/1/6                   | 新规格发行   | 钟建立          |
| 编制      |                            | 审核      | 批准           |
| 钟建立     |                            | 0       | 马湘平          |

产品规格书

|                                                                                                                  |  |                            |  |                |  |                       |              |             |    |
|------------------------------------------------------------------------------------------------------------------|--|----------------------------|--|----------------|--|-----------------------|--------------|-------------|----|
| 客户名称                                                                                                             |  | 华联                         |  | 客户料号           |  | N32313000023          |              |             |    |
| 顶智料号                                                                                                             |  | TX-DZ5005. 3010-K10-L70开双槽 |  | 规格编号           |  | 20230106001           |              | 版本          | 01 |
| <div>◆、外形尺寸</div> <div></div> |  |                            |  |                |  | (单位: mm)              |              |             |    |
|                                                                                                                  |  |                            |  |                |  | A                     | 50.0 ±1.5    |             |    |
|                                                                                                                  |  |                            |  |                |  | B                     | 46.0 ±2.0    |             |    |
|                                                                                                                  |  |                            |  |                |  | C                     | 19.5 ±1.5    |             |    |
|                                                                                                                  |  |                            |  |                |  | D                     | 70.0 ±2.0    |             |    |
|                                                                                                                  |  |                            |  |                |  | E                     | 10.0 Ref     |             |    |
|                                                                                                                  |  |                            |  |                |  | F                     | 3.0 ±2.0     |             |    |
|                                                                                                                  |  |                            |  |                |  | G                     | 6*6*1.0 ±2.0 |             |    |
|                                                                                                                  |  |                            |  |                |  | H                     | 2.60 ±0.5    |             |    |
|                                                                                                                  |  |                            |  |                |  |                       |              |             |    |
|                                                                                                                  |  |                            |  |                |  |                       |              |             |    |
|                                                                                                                  |  |                            |  |                |  |                       |              |             |    |
|                                                                                                                  |  |                            |  |                |  | 备注                    |              |             |    |
|                                                                                                                  |  |                            |  |                |  | (1)线径: 0.08*105P      |              |             |    |
|                                                                                                                  |  |                            |  |                |  | (2)绕线圈数:12TS          |              |             |    |
| (3)起尾线是否交叉: 是                                                                                                    |  |                            |  |                |  |                       |              |             |    |
| (4)线圈包8mm宽高温胶带                                                                                                   |  |                            |  |                |  |                       |              |             |    |
| (5)线圈与磁片需粘贴居中                                                                                                    |  |                            |  |                |  |                       |              |             |    |
| (6)磁片背49圆白胶                                                                                                      |  |                            |  |                |  |                       |              |             |    |
| <div>◆、电气特性:</div>                                                                                               |  |                            |  |                |  | 磁片正面如图位置贴6*6*1.0双面海绵胶 |              |             |    |
|                                                                                                                  |  |                            |  |                |  |                       |              |             |    |
| 参数                                                                                                               |  | 规格                         |  | 测试条件           |  | 测试仪器                  |              |             |    |
| L0                                                                                                               |  | 10 ±10% μH                 |  | 100KHz/1V      |  | ■TH1816B              |              |             |    |
| Q                                                                                                                |  | >40 min                    |  | 100KHz/1V      |  | ■TH1816B              |              |             |    |
| DCR                                                                                                              |  | <90 mΩ                     |  | @ 25℃          |  | ■CH-502BC             |              |             |    |
| <div>◆、温度等级:</div>                                                                                               |  |                            |  |                |  |                       |              |             |    |
| 操作温度                                                                                                             |  | -40℃~ 125℃                 |  |                |  |                       |              |             |    |
|                                                                                                                  |  |                            |  |                |  |                       |              |             |    |
| <div>◆、材料清单:</div>                                                                                               |  |                            |  |                |  |                       |              |             |    |
| 序号                                                                                                               |  | 品名                         |  | 材料规格           |  | 供应商                   |              | 备注          |    |
| 1                                                                                                                |  | 磁片                         |  | 50*5.3*1.0T开双槽 |  |                       |              | PC40猛锌磁材新原料 |    |
| 2                                                                                                                |  | 丝包线                        |  | 0.08*105P      |  |                       |              | 标准丙酮丝包线     |    |
| 3                                                                                                                |  | 高温胶带                       |  | 8MM            |  |                       |              | 环保胶         |    |
| 4                                                                                                                |  | 锡                          |  | 107H           |  |                       |              | 千岛环保锡       |    |
| 5                                                                                                                |  | 胶                          |  | 黄胶             |  |                       |              | 环保胶         |    |
| 6                                                                                                                |  | 胶                          |  | 49圆白胶          |  |                       |              | 环保胶         |    |
| 7                                                                                                                |  | 胶                          |  | 6*6*1.0双面海绵胶   |  |                       |              | 环保胶         |    |
| 编制                                                                                                               |  |                            |  | 审核             |  |                       | 批准           |             |    |
| 钟建立                                                                                                              |  |                            |  | 0              |  |                       | 马湘平          |             |    |