



产 品 规 格 书

PRODUCT SPECIFICATION FOR APPROVAL

|                          |                                                                                                                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 客 户 名 称:<br>CUSTOMER     | Pilot                                                                                                                                                                                                            |
| 产 品 名 称:<br>PRODUCT NAME | MPP emission coil                                                                                                                                                                                                |
| 物 料 编 码:<br>PART No.     | 0403003-0142                                                                                                                                                                                                     |
| 产 品 规 格:<br>PRODUCT SPEC | 8.2uH magnetic sheet 42.4*1 dual slots (straight) + 18*0.8 grooved / ±10% / wire 0.08*80*11TS (inner diameter 20.5mm/outer diameter 40mm) / lead-out length 35mm / 3mm heat shrink tape / bottom adhesive / ROHS |
| 日 期:<br>DATE             | May 29, 2025                                                                                                                                                                                                     |
| 版 本 型 号:<br>VERSION      | REV 1.0                                                                                                                                                                                                          |

| 版本<br>Revision | 变更内容<br>Modified Content | 责任人<br>Principle | 日期<br>Date | 备注<br>Note |
|----------------|--------------------------|------------------|------------|------------|
| REV 1.0        | first release            | Zhou Xiaoju      | 2025-05-29 |            |
|                |                          |                  |            |            |

| 制定/PREPARED BY | 审核/CHECKED BY | 核准/APPROVED BY |
|----------------|---------------|----------------|
| Li Xiaoyun     | Zhou Xiaoju   |                |

|                                                  |  |  |
|--------------------------------------------------|--|--|
| 客户认可签名及盖章<br>Authorized signature & company chop |  |  |
|--------------------------------------------------|--|--|

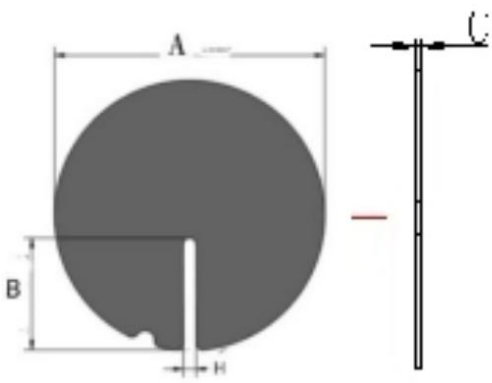


Shenzhen Chenxing Electronic Technology Co., Ltd.

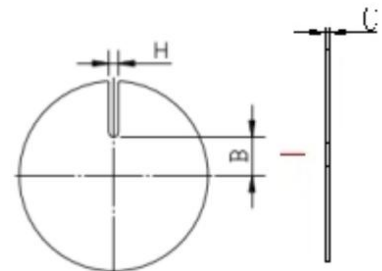
## 产 品 规 格

### SPECIFICATION

#### 一、Disk size - 42.4 \* 1.0 with slots

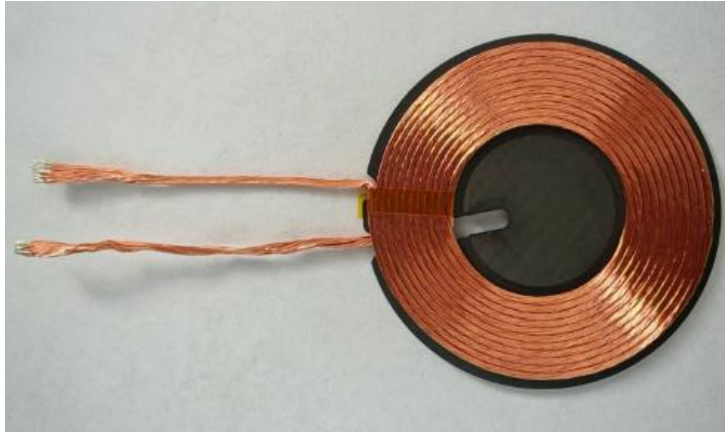
|                                                                                   |                                       |                          |
|-----------------------------------------------------------------------------------|---------------------------------------|--------------------------|
|  | Outer diameter of the magnetic disk A | $42.4 \pm 0.4\text{mm}$  |
|                                                                                   | Depth of the straight groove B        | $17.56 \pm 0.2\text{mm}$ |
|                                                                                   | Disk thickness C                      | $1.0 \pm 0.05\text{mm}$  |
|                                                                                   | Straight groove width H               | $2.4 + 0.15 / - 0.1$     |

#### 二、Disk size - 18 \* 0.75 straight groove

|                                                                                     |                                       |                               |
|-------------------------------------------------------------------------------------|---------------------------------------|-------------------------------|
|  | Outer diameter of the magnetic disk A | $18 \pm 0.3\text{mm}$         |
|                                                                                     | B                                     | $3.6 \pm 0.15\text{mm}$       |
|                                                                                     | Disk thickness C                      | $0.75 \pm 0.08\text{mm}$      |
|                                                                                     | Straight groove width H               | $2.4 + 0.15 / - 0.1\text{mm}$ |

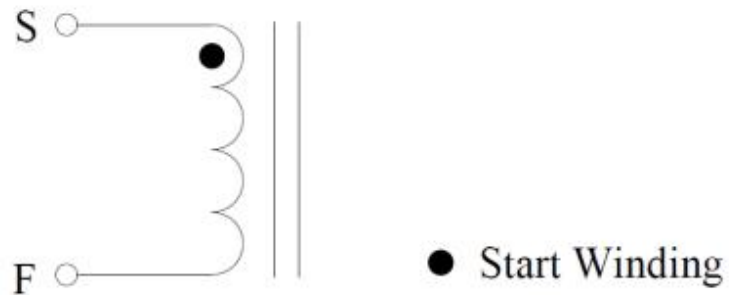


### 三、Physical diagram of the coil



|                              |                                                  |
|------------------------------|--------------------------------------------------|
| Inner diameter of the coil   | $20.5 \pm 0.5\text{mm}$                          |
| Outer diameter of the coil   | $40 \pm 1.5\text{mm}$                            |
| Product thickness            | $< 2.3\text{mm}$                                 |
| Outlining length             | $35 \pm 2\text{mm}$                              |
| Length of the tip of the tin | $2-4\text{mm}$                                   |
| gum                          | Reverse side ordinary double-sided adhesive tape |
| high-temperature tape        | $3\text{mm}$                                     |

### 四、schematic diagram



### 五、Winding parameters

| 端子<br>TERMINAL |   | 线径<br>WIRE                                                      | 圈数<br>Turns | 绕线方向<br>Winding Direction |
|----------------|---|-----------------------------------------------------------------|-------------|---------------------------|
| S              | F | Enamel-coated wire, 0.08*80P,<br>double-strand parallel winding | 11Ts        | CCW                       |

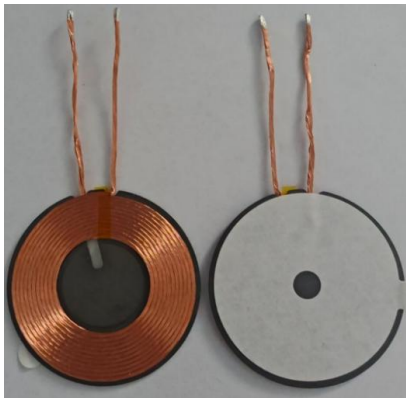


六、electrical specification

TEMPERATURE:25±10°C, RELATIVE HUMIDITY:65±20%

| 项目<br>ITEM | 端子<br>TERMINAL | 标准<br>SPECIFICATION                | 测试条件<br>TEST FREQUENCY | 测试仪器<br>TEST EQUIPMENTS |
|------------|----------------|------------------------------------|------------------------|-------------------------|
| IND.       | S-F            | L: 8.1uH±10%<br>Q: greater than 70 | 100KHz/1.0V            | LCZ METER 1062B         |

七、product picture



Company Name: Shenzhen Chenxing Electronic Technology Co., Ltd.

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