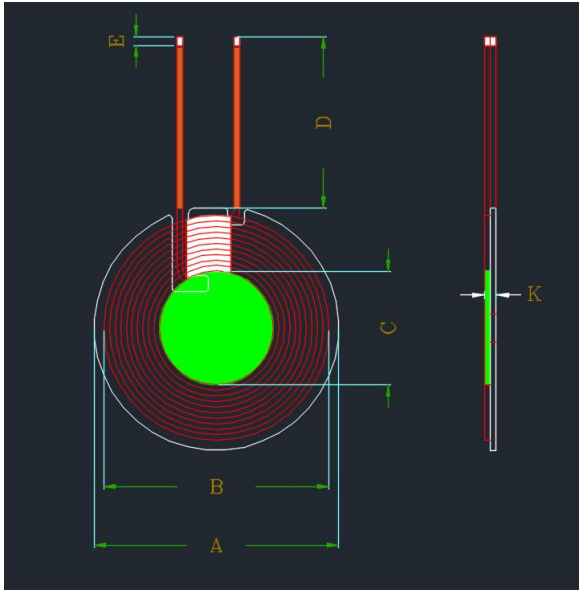


Coil SPECIFICATION

|                  |                                |                     |                                                                                                                     |
|------------------|--------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------|
| 产 品 型 号:<br>DESC | Φ2.05x39.5-8.1uH-0.08x80P-22mm | 生产商<br>Manufacturer | Dongguan Xilian Gancheng Technology Co., Ltd.                                                                       |
|                  |                                | 地址<br>Address       | Room 801, 2 <sup>nd</sup> building, Junfa 3 <sup>rd</sup> road, Dongkeng Town, Dongguan, Guangdong province, China. |

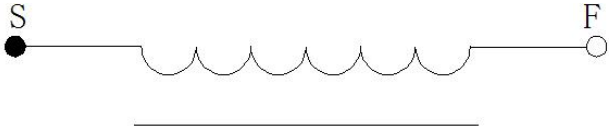
一、尺寸 DIMENSION:(mm)



|   |          |
|---|----------|
| A | 43.5-0.5 |
| B | 39±1     |
| C | 20.5±1   |
| D | 22±2     |
| E | 3±1      |
| K | 2.0±0.3  |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |

- Notes:
- 1.Cross line;
  2. The wire is wisted with 5mm (ref) width tape 1-2Ts (white image);
  - 3.Coil stick with hard ferrite, ferrite size: Φ43±0.5mm, thickness: 0.8±0.1mm。
  - 4.Adding Φ20mm ferrite in the center

二、原理图 SCHEMATIC DIAGRAM:



三、绕线参数 Winding Specification:

| 序号<br>NO. | 端子<br>TERMINAL |   | 线径<br>WIRE                      | 圈数<br>Turns | 绕线方向<br>Winding Direction |
|-----------|----------------|---|---------------------------------|-------------|---------------------------|
| 1         | S              | F | Enamel-coated wire: 0.08 * 105P | 11Ts        | CCW                       |

四、电气特性 ELECTRICAL CHARACTERISTICS:

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

| 序号<br>NO. | 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 |
|-----------|------------|----------------|--------------------------------------------|------------------------|-------------------------|
| 1         | IND.       | S-F            | 4.0uH ±20% Single Coil                     | 100KHz/0.25V           | LCZ METER 1062B         |
| 2         | IND.       | S-F            | 8.1 microhenries ± 10% with magnetic sheet | 100KHz/0.25V           | LCZ METER 1062B         |
| 3         | DCR        | S-F            | ≤46m Ω                                     | 100KHz/0.25V           | LCZ METER 502B          |
| 4         | Q          | S-F            | ≥87                                        | 100KHz/0.25V           | LCZ METER 502B          |

|                        |                         |
|------------------------|-------------------------|
| 拟制/日期 PREPARED BY/DATE | 审核/日期 CHECKED BY/DATE   |
| Huang yan 2025/7/11    | Huang jinghua 2025/7/11 |