

# 承 认 书

## SPECIFICATION FOR APPROVAL

客户名称 (CUSTOMER): 深圳市小九科技有限公司

客户料号 (CUSTOMER P/N): C51线圈

品名 (DESCRIPTION): C51线圈

DATE: 2023-8-29

规格 (SPECIFICATION): G43.5开槽+背胶 20mm

REV.NO.: A0

### 小九科技承认签核

| 部门 | 确认/日期 | 审核/日期 | 批准/日期 |  |
|----|-------|-------|-------|--|
|    |       |       |       |  |
|    |       |       |       |  |

备注:

### 惠尔无线承认签核

| 部门 | 确认/日期         | 审核/日期         | 批准/日期         |  |
|----|---------------|---------------|---------------|--|
|    | 谢华秀 2023-8-29 | 朱金路 2023-8-29 | 李亚飞 2023-8-29 |  |
|    |               |               |               |  |

备注:

深圳市惠尔无线技术有限公司

Shenzhen H-Wireless Technology Co., Ltd

ADD: 深圳市龙岗区吉华路399号红门一期C栋503

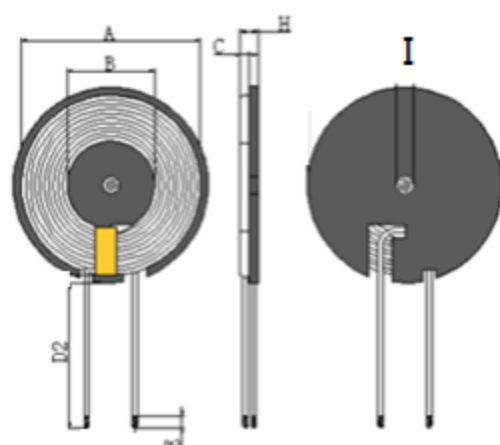
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# SPECIFICATION FOR APPROVAL

## 1.MECHANICAL DIMENSION (UNIT:mm)

## 2. SCHEMATICS:



1. Coil with magnetic sheet,  
magnetic sheet size  
 $43.5 \pm 1\text{mm}$ , thickness is  
 $0.8 \pm 0.05\text{mm}$   
Open the L slot.
2. Coil outlet position  
Adhesive paper 1-2Ts;
3. The bottom of the magnetic  
isolation sheet should be pasted  
with adhesive tape

| A              | B          | C              | D2         | E         | H      | I           |  |  | I |
|----------------|------------|----------------|------------|-----------|--------|-------------|--|--|---|
| $40.5 \pm 1.0$ | $20 \pm 1$ | $0.8 \pm 0.05$ | $20 \pm 3$ | $4 \pm 2$ | 2.8MAX | $5 \pm 0.5$ |  |  |   |

## 3.WINDING:

| STEP | START-FINISH | WIRE TYPE                                       | TURNS      | TAPE | REMARK |
|------|--------------|-------------------------------------------------|------------|------|--------|
| N1   | S-F          | 丝包线 $\varnothing 0.08 \times 105\text{mm}$ 2UEW | 10TS (Ref) |      |        |

## 4. ELECTRICAL SPECIFICATION:

| ITEM | L                         | DCR      | L                         | Q值 | HI-POT |
|------|---------------------------|----------|---------------------------|----|--------|
| TEST | Coil plus magnetic sheet  | S-F      | separate coil             |    |        |
| COND | 100KHz, 0.25V             | AT 25°C  | 100KHz, 0.25V             |    |        |
| SPEC | $6.8\mu\text{H} \pm 10\%$ | 60mΩ Max | $3.8\mu\text{H} \pm 15\%$ |    |        |

## 5.BILF OF MATERIAL :

| NO. | ITEM                               | MATERIAL SPECIFICATION                                                     | MANUFACTURER         | SGS NO. |
|-----|------------------------------------|----------------------------------------------------------------------------|----------------------|---------|
| 1   | Silk covered wire 0.08*105 strands | Acetone wire covered wire 0.08*105 strands                                 | NANJINGJINNINGCO.LTD |         |
| 2   | Lead-free tin bar                  | Lead-free tin bar                                                          | QIAODO               |         |
| 3   | Magnetic disk                      | $\varnothing 44 \times 0.8$ manganese zinc hard magnetic sheet with L slot | TAIYI CO.,LTD        |         |
| 4   | Glue                               | Yellow gum 9999                                                            | LIANCHENG CO.,LTD    |         |
| 5   | High temperature tape              | 7mm wide high temperature adhesive tape                                    | CUDAK CO.,LTD        |         |
| 6   | Adhesive                           | $\varnothing 1.5 \times 0.1$                                               | CUDAK CO.,LTD        |         |

|          |  |            |                 |
|----------|--|------------|-----------------|
|          |  | PART NO    |                 |
|          |  | TITLE      | G43.5开槽+背胶 20mm |
| DRAWN BY |  | CHECKED BY | APPROVED BY     |
| 朱金路      |  | 李亚飞        | 李亚飞             |

# SPECIFICATION FOR APPROVAL

## 6. SAMPLE TEST DATA

### 6.1 DIMENSION TEST (UNIT: mm)

| TEST ITEM | A        | B     | C        | D     | E    | H      | I     |  |  |
|-----------|----------|-------|----------|-------|------|--------|-------|--|--|
| SPEC      | 43.8±1.0 | 20±1  | 0.8±0.05 | 20±3  | 4±2  | 2.8MAX | 5±0.5 |  |  |
| 1         | 43.87    | 20.59 | 0.81     | 20    | 3.50 | 2.55   | 5.03  |  |  |
| 2         | 43.89    | 20.67 | 0.8      | 19.5  | 3.60 | 2.56   | 5.02  |  |  |
| 3         | 43.91    | 20.68 | 0.83     | 20.1  | 3.70 | 2.49   | 4.99  |  |  |
| 4         | 43.98    | 20.59 | 0.82     | 19.8  | 3.80 | 2.52   | 5.01  |  |  |
| 5         | 43.97    | 20.57 | 0.85     | 20.2  | 4.00 | 2.50   | 5     |  |  |
| 6         |          |       |          |       |      |        |       |  |  |
| 7         |          |       |          |       |      |        |       |  |  |
| 8         |          |       |          |       |      |        |       |  |  |
| 9         |          |       |          |       |      |        |       |  |  |
| 10        |          |       |          |       |      |        |       |  |  |
| MAX       | 43.98    | 20.68 | 0.85     | 20.20 | 4.00 | 2.56   | 5.03  |  |  |
| MIN       | 43.87    | 20.57 | 0.80     | 19.50 | 3.50 | 2.49   | 4.99  |  |  |
| AVERAGE   | 43.92    | 20.62 | 0.82     | 19.92 | 3.72 | 2.52   | 5.01  |  |  |

### 6.2 ELECTRICAL TEST

| TEST ITEM | L            |  | DCR        | IDC |  | Q | HI-POT |  |  |
|-----------|--------------|--|------------|-----|--|---|--------|--|--|
|           | S-F          |  | S-F        |     |  |   |        |  |  |
| TEST COND | 100KHz/0.25v |  | AT 25℃     |     |  |   |        |  |  |
| SPEC      | 6.8uH ±10%   |  | 60mΩ (Max) |     |  |   |        |  |  |
| 1         | 6.84         |  | 42.00      |     |  |   |        |  |  |
| 2         | 6.89         |  | 42.30      |     |  |   |        |  |  |
| 3         | 6.88         |  | 42.50      |     |  |   |        |  |  |
| 4         | 6.87         |  | 42.10      |     |  |   |        |  |  |
| 5         | 6.81         |  | 42.35      |     |  |   |        |  |  |
| 6         | 6.79         |  |            |     |  |   |        |  |  |
| 7         |              |  |            |     |  |   |        |  |  |
| 8         |              |  |            |     |  |   |        |  |  |
| 9         |              |  |            |     |  |   |        |  |  |
| 10        |              |  |            |     |  |   |        |  |  |
| MAX       | 6.89         |  | 42.50      |     |  |   |        |  |  |
| MIN       | 6.79         |  | 42.00      |     |  |   |        |  |  |
| AVERAGE   | 6.85         |  | 42.25      |     |  |   |        |  |  |

PART NO

TITLE

G43.5开槽+背胶 20mm

DRAWN BY

CHECKED BY

APPROVED BY

朱金路

李亚飞

李亚飞