

# Letter of acceptance

## SPECIFICATION FOR APPROVAL

Customer name (CUSTO      Opalco technology limited company

Customer item (CUSTOMER P/N):    LX27

Name (DESCRIPTION):

DATE:2025-8-28

SPECIFICATION) : G43.5\*5.3\*0.6 perforated with black film    lead wire length: 65mm/6.5UH      REV.NO.:A0

**Hongri Shengwei Technology admits to signing and sealing.**

| departme<br>nt  | Confirmation/date         | Audit/date           | Approval/date            | (official<br>seal of                                                                 |
|-----------------|---------------------------|----------------------|--------------------------|--------------------------------------------------------------------------------------|
| quality         | Dong Wanhong<br>2025-8-28 | Lv Hui 2025-8-28     | Wei Hanman<br>2025-8-28  |  |
| engineeri<br>ng | He Weihua 2025-<br>8-28   | Wei Lihong 2025-8-28 | Wei Lihong 2025-<br>8-28 |                                                                                      |

**Remarks:** We statement that All measurements were performed radiated and therefore additional antenna gain documentation is not required.

**Hauptoul Science and Technology Co., Ltd. admitted to signing and sealing.**

| departme<br>nt                     | Confirmation/date | Audit/date | Approval/date | (Gai<br>company) |
|------------------------------------|-------------------|------------|---------------|------------------|
| Develo<br>pme<br>nt<br>proje<br>ct |                   |            |               |                  |
| purchase                           |                   |            |               |                  |
| quality                            |                   |            |               |                  |

**Remarks:**

**Shenzhen Hongri Shengwei Technology Limited Company**

**HRSW ELECTRONICS CO.,LTD**

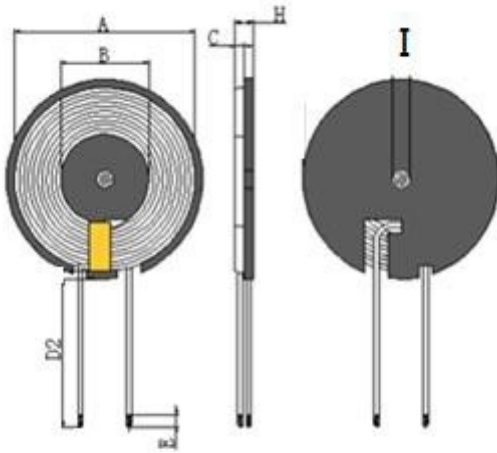
**ADD: Floor 2, Building 1, No.48 Guanlan Huanguan Middle Road,  
Longhua New District, Shenzhen**

**TEL: +86-755-23461055      FAX: +86-0755-28015170**

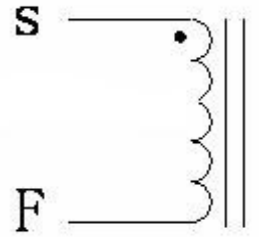
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# SPECIFICATION FOR APPROVAL

## 1. MECHANICAL DIMENSION (UNIT:mm)



## 2.SCHEMATICS:



1. Coil sticking magnetic sheet, magnetic sheet size  $43.5 \pm 1\text{mm}$ , with a thickness of  $0.5 \pm 0.05\text{mm}$ , open L-slot.
2. Coil outlet position is wrapped with adhesive paper for 1-2Ts;

| A              | B              | C              | D2         | E         | F               | G           | H | I |
|----------------|----------------|----------------|------------|-----------|-----------------|-------------|---|---|
| $43.5 \pm 1.0$ | $13.5 \pm 1.0$ | $0.5 \pm 0.05$ | $43 \pm 3$ | $4 \pm 2$ | $2.0\text{MAX}$ | $5 \pm 0.1$ |   |   |

Adhesive should be attached to the bottom of the magnetic separator.  
 4. Add a 5\*1.5 magnet in the middle of the magnetic disk.

## 3.WINDING:

| STEP | START-FINISH | WIRE TYPE         | TURNS      | TAPE | REMARK |
|------|--------------|-------------------|------------|------|--------|
| 1    | S-F          | 0.08*24*2Pmm 2UEW | 12TS (Ref) |      |        |

## 4. ELECTRICAL SPECIFICATION:

| ITEM | L                        | DCR     | L             | IDC     | HI-POT |
|------|--------------------------|---------|---------------|---------|--------|
| 1    | Coil plus magnetic sheet | S-F     | Separate coil | S-F     |        |
| 2    | 100KHz,0.25V             | AT 25°C | 100KHz,0.25V  | AT 25°C |        |

## 5.BILF OF MATERIAL:

| NO.   | ITEM                           | MATERIAL SPECIFICATION                          | MANUFACTURER         | SGS NO. |
|-------|--------------------------------|-------------------------------------------------|----------------------|---------|
| one   | Hot air line                   | 0.08*24                                         | NANJINGJINNINGCO,LTD |         |
| 2     | Lead-free tin bar              | Lead-free tin bar                               | QIAODO               |         |
| three | magnetic sheet                 | 43.5*0.5 Mn-Zn hard magnetic sheet with L slot. | TAIYI CO.,LTD        |         |
| four  | glue                           | Yellow gum 9999                                 | LIANCHENG CO.,LTD    |         |
| five  | High temperature adhesive tape | 7mm wide high temperature adhesive tape         | CUDAK CO.,LTD        |         |
| six   | gum                            | 41.5*0.1                                        | CUDAK CO.,LTD        |         |
| seven | magnet                         | 5*1.5                                           | CUDAK CO.,LTD        |         |

|                          |  |         |                                                             |
|--------------------------|--|---------|-------------------------------------------------------------|
| HRSW ELECTRONICS CO.,LTD |  | PART NO |                                                             |
|                          |  | TITLE   | G43.5 slotting+43mm inner hole with adhesive backing 13.5mm |

# SPECIFICATION FOR APPROVAL

| DRAWN BY  | CHECKED BY | APPROVED BY |
|-----------|------------|-------------|
| He weihua | Wei lihong | Wei lihong  |

# SPECIFICATION FOR APPROVAL

| <b>6.SAMPLE TEST DATA</b>         |              |          |            |       |         |        |                                                                      |  |  |
|-----------------------------------|--------------|----------|------------|-------|---------|--------|----------------------------------------------------------------------|--|--|
| <b>6.1DIMENSION TEST(UNIT:mm)</b> |              |          |            |       |         |        |                                                                      |  |  |
| TEST ITEM                         | A            | B        | C          | D     | E       | H      | I                                                                    |  |  |
| SPEC                              | 43.5±1.0     | 13.5±1.0 | 0.5±0.05   | 43±3  | 4±2     | 2.0MAX | 5±0.1                                                                |  |  |
| one                               | 43.48        | 13.59    | 0.49       | 43.2  | 3.50    | 1.64   | 4.98                                                                 |  |  |
| 2                                 | 43.51        | 13.67    | 0.51       | 43.6  | 3.60    | 1.69   | 4.96                                                                 |  |  |
| three                             | 43.52        | 13.68    | 0.5        | 42.5  | 3.70    | 1.62   | 5.05                                                                 |  |  |
| four                              | 43.46        | 13.59    | 0.48       | 42.8  | 3.80    | 1.63   | 5.03                                                                 |  |  |
| five                              | 43.39        | 13.57    | 0.5        | 43.6  | 4.00    | 1.65   | 4.98                                                                 |  |  |
| six                               |              |          |            |       |         |        |                                                                      |  |  |
| seven                             |              |          |            |       |         |        |                                                                      |  |  |
| eight                             |              |          |            |       |         |        |                                                                      |  |  |
| nine                              |              |          |            |       |         |        |                                                                      |  |  |
| 10                                |              |          |            |       |         |        |                                                                      |  |  |
| MAX                               | 43.52        | 13.68    | 0.51       | 43.60 | 4.00    | 1.69   | 5.05                                                                 |  |  |
| MIN                               | 43.39        | 13.57    | 0.48       | 42.50 | 3.50    | 1.62   | 4.96                                                                 |  |  |
| AVERAGE                           | 43.47        | 13.62    | 0.50       | 43.14 | 3.72    | 1.65   | 5.00                                                                 |  |  |
| <b>6.2ELECTRICAL TEST</b>         |              |          |            |       |         |        |                                                                      |  |  |
| TEST ITEM                         | L            |          | DCR        | IDC   |         | Q      | HI-POT                                                               |  |  |
|                                   | S-F          |          | S-F        |       |         |        |                                                                      |  |  |
| TEST COND                         | 100KHz/0.25v |          | AT 25°C    |       |         |        |                                                                      |  |  |
| SPEC                              | 6.5uH ±10%   |          | 90mΩ(Max)  |       |         |        |                                                                      |  |  |
| one                               | 6.51         |          | 52.00      |       |         |        |                                                                      |  |  |
| 2                                 | 6.49         |          | 54.00      |       |         |        |                                                                      |  |  |
| three                             | 6.52         |          | 53.00      |       |         |        |                                                                      |  |  |
| four                              | 6.48         |          | 56.00      |       |         |        |                                                                      |  |  |
| five                              | 6.53         |          | 52.00      |       |         |        |                                                                      |  |  |
| six                               |              |          |            |       |         |        |                                                                      |  |  |
| seven                             |              |          |            |       |         |        |                                                                      |  |  |
| eight                             |              |          |            |       |         |        |                                                                      |  |  |
| nine                              |              |          |            |       |         |        |                                                                      |  |  |
| 10                                |              |          |            |       |         |        |                                                                      |  |  |
| MAX                               | 6.53         |          | 56.00      |       |         |        |                                                                      |  |  |
| MIN                               | 6.48         |          | 52.00      |       |         |        |                                                                      |  |  |
| AVERAGE                           | 6.51         |          | 53.40      |       |         |        |                                                                      |  |  |
| HRSW ELECTRONICS CO.,LTD          |              |          |            |       | PART NO |        |                                                                      |  |  |
|                                   |              |          |            |       | TITLE   |        | G43.5 slotting+43mm<br>inner hole with<br>adhesive backing<br>13.5mm |  |  |
| DRAWN BY                          |              |          | CHECKED BY |       |         |        | APPROVED BY                                                          |  |  |

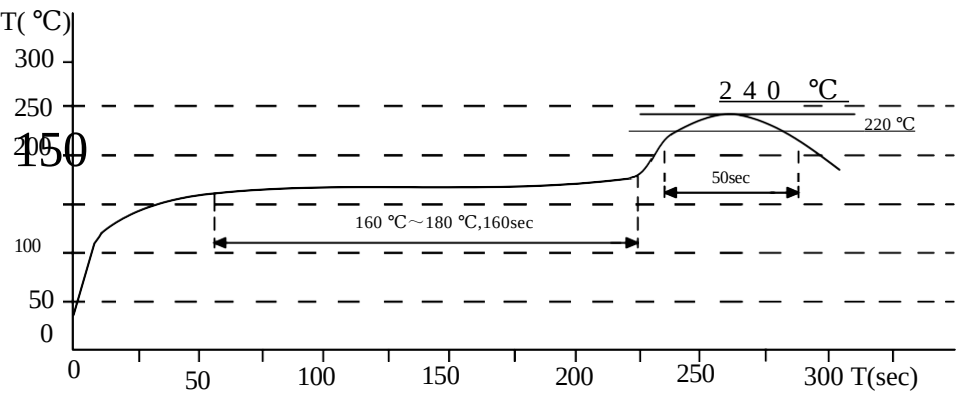
SPECIFICATION FOR APPROVAL

|           |            |            |
|-----------|------------|------------|
| He weihua | Wei lihong | Wei lihong |
|-----------|------------|------------|

SPECIFICATION FOR APPROVAL

3.电气参数

| 项 目    | 性 能                                 | 试 验 方 法                                          |
|--------|-------------------------------------|--------------------------------------------------|
| 直流叠加特性 | 加额定电流时电感值的变化<br>为初始值的35%以内          | 用LCR及相应的偏置电源<br>测定                               |
| 温度变化   | 40℃以内                               | 加额定电流，用表面温度计<br>测其温度                             |
| 过载试验   | 产品主体不发生表面<br>碎裂、烧焦、终端<br>无松动，无开路等现象 | 施2倍的额定电流持续5分钟。                                   |
| 绝缘电阻   | 100MΩ 以上                            | 在两电极间施加250V<br>直流电压持续5分钟                         |
| 使用温度   | 包括产品自身发热温度                          | -40℃~100℃                                        |
| 存储温度特性 | 产品外观无异常<br>特性规格范围内                  | -40℃~100℃                                        |
| 耐湿特性   | 产品外观无异常<br>特性规格范围内                  | 1.温度：40 ± 2℃；<br>2.湿度：90℃~95℃；<br>3.时间：96 ± 2小时。 |



HRSW ELECTRONICS CO.,LTD

PART NO

TITLE

G43.5 slotting+43mm inner  
hole with  
adhesive backing  
13.5mm

DRAWN BY

CHECKED BY

APPROVED BY

SPECIFICATION FOR APPROVAL

|          |           |               |
|----------|-----------|---------------|
| Chao Xie | He weihua | Wei<br>lihong |
|----------|-----------|---------------|