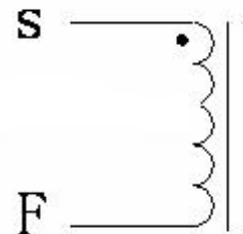
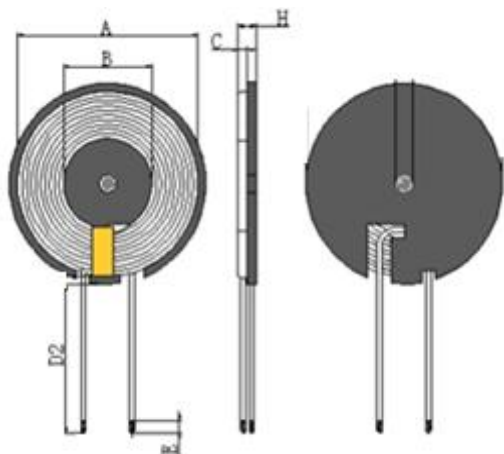


# SPECIFICATION FOR APPROVAL

## 1.MECHANICAL DIMENSION (UNIT:mm)

## 2. SCHEMATICS:



1. 线圈贴磁片，磁片尺寸  
50±1mm  
开L线槽。
2. 线圈出线位置  
缠胶纸 1-2Ts；
3. 隔磁片底部要贴胶

| A      | B        | C        | D2   | E     | H      |  |  |  | I |
|--------|----------|----------|------|-------|--------|--|--|--|---|
| 50±1.0 | 20.5±0.5 | 0.9±0.05 | 30±2 | 3±1.5 | 2.8MAX |  |  |  |   |

## 3.WINDING:

| STEP | START-FINISH | WIRE TYPE            | TURNS      | TAPE | REMARK |
|------|--------------|----------------------|------------|------|--------|
| N1   | S-F          | 丝包线Ø 0.08*105mm 2UEW | 10TS (Ref) |      |        |

## 4. ELECTRICAL SPECIFICATION:

| ITEM | L             | DCR      | L             | Q值 | HI-POT |
|------|---------------|----------|---------------|----|--------|
| TEST | 线圈加磁片         | S-F      | 单独线圈          |    |        |
| CON  | 100KHz, 0.25V | AT 25℃   | 100KHz, 0.25V |    |        |
| SPEC | 6.5uH±10%     | 70mΩ Max | 3.8uH±15%     |    |        |

## 5.BILF OF MATERIAL:

| NO. | ITEM         | MATERIAL SPECIFICATION | MANUFACTURER         | SGS NO. |
|-----|--------------|------------------------|----------------------|---------|
| 1   | 丝包线0.08*105股 | 丙酮丝包线0.08*105股         | NANJINGJINNINGCO,LTD |         |
| 2   | 无铅锡条         | 无铅锡条                   | QIAODO               |         |
| 3   | 磁片           | Ø 50锰锌硬磁片开L槽           | TAIYI CO.,LTD        |         |
| 4   | 胶水           | 黄胶9999                 | LIANCHENG CO.,LTD    |         |
| 5   | 高温胶纸         | 8mm宽高温胶纸               | CUDAK CO.,LTD        |         |
| 6   | 背胶           | Ø 48.5*0.1             | CUDAK CO.,LTD        |         |

|                          |  |         |             |
|--------------------------|--|---------|-------------|
| HRSW ELECTRONICS CO.,LTD |  | PART NO |             |
|                          |  | TITLE   | G50单线圈开槽+背胶 |
|                          |  |         |             |
|                          |  |         |             |

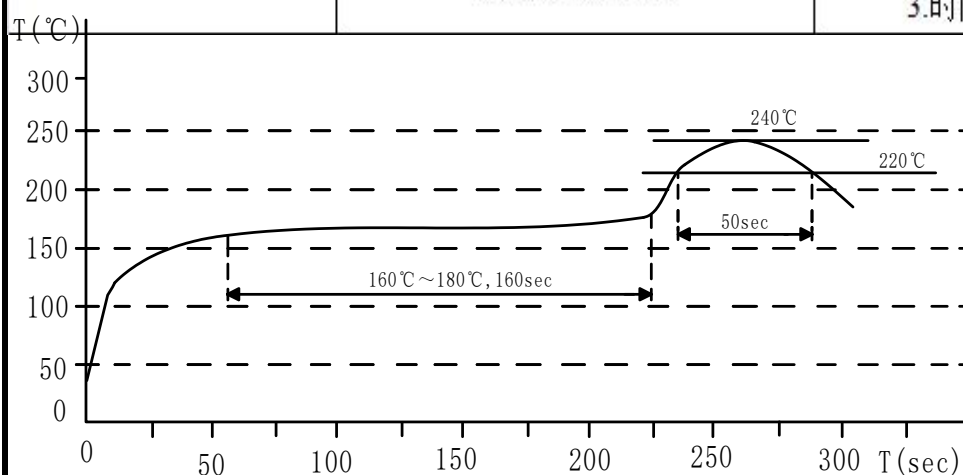
# SPECIFICATION FOR APPROVAL

| 6. SAMPLE TEST DATA         |               |          |            |       |         |        |             |  |  |
|-----------------------------|---------------|----------|------------|-------|---------|--------|-------------|--|--|
| 6.1DIMENSION TEST (UNIT:mm) |               |          |            |       |         |        |             |  |  |
| TEST ITEM                   | A             | B        | C          | D     | E       | H      |             |  |  |
| SPEC                        | 50±1.0        | 20.5±0.5 | 0.9±0.05   | 30±2  | 3±1.5   | 2.8MAX |             |  |  |
| 1                           | 49.8          | 20.65    | 0.89       | 31    | 3.50    | 2.55   |             |  |  |
| 2                           | 49.9          | 20.63    | 0.9        | 30.5  | 3.60    | 2.56   |             |  |  |
| 3                           | 49.8          | 20.65    | 0.92       | 30.6  | 3.70    | 2.49   |             |  |  |
| 4                           | 50            | 20.055   | 0.9        | 31.2  | 3.80    | 2.52   |             |  |  |
| 5                           | 49.86         | 20.45    | 0.9        | 31.5  | 4.00    | 2.50   |             |  |  |
| 6                           |               |          |            |       |         |        |             |  |  |
| 7                           |               |          |            |       |         |        |             |  |  |
| 8                           |               |          |            |       |         |        |             |  |  |
| 9                           |               |          |            |       |         |        |             |  |  |
| 10                          |               |          |            |       |         |        |             |  |  |
| MAX                         | 50.00         | 20.65    | 0.92       | 31.50 | 4.00    | 2.56   |             |  |  |
| MIN                         | 49.80         | 20.06    | 0.89       | 30.50 | 3.50    | 2.49   |             |  |  |
| AVERAGE                     | 49.87         | 20.49    | 0.90       | 30.96 | 3.72    | 2.52   |             |  |  |
| 6.2ELECTRICAL TEST          |               |          |            |       |         |        |             |  |  |
| TEST ITEM                   | L             |          | DCR        | IDC   |         | Q      | HI-POT      |  |  |
|                             | S-F           |          | S-F        |       |         |        |             |  |  |
| TEST COND                   | 100KHz/0.25v  |          | AT 25℃     |       |         |        |             |  |  |
| SPEC                        | 6.5uH<br>±10% |          | 70mΩ (Max) |       |         |        |             |  |  |
| 1                           | 6.51          |          | 52.00      |       |         |        |             |  |  |
| 2                           | 6.52          |          | 53.00      |       |         |        |             |  |  |
| 3                           | 6.49          |          | 51.00      |       |         |        |             |  |  |
| 4                           | 6.48          |          | 49.00      |       |         |        |             |  |  |
| 5                           | 6.63          |          | 50.00      |       |         |        |             |  |  |
| 6                           |               |          |            |       |         |        |             |  |  |
| 7                           |               |          |            |       |         |        |             |  |  |
| 8                           |               |          |            |       |         |        |             |  |  |
| 9                           |               |          |            |       |         |        |             |  |  |
| 10                          |               |          |            |       |         |        |             |  |  |
| MAX                         | 6.63          |          | 53.00      |       |         |        |             |  |  |
| MIN                         | 6.48          |          | 49.00      |       |         |        |             |  |  |
| AVERAGE                     | 6.53          |          | 51.00      |       |         |        |             |  |  |
| HRSW ELECTRONICS CO.,LTD    |               |          |            |       | PART NO |        | G50单线圈开槽+背胶 |  |  |
|                             |               |          |            |       | TITLE   |        |             |  |  |
|                             |               |          |            |       |         |        |             |  |  |
|                             |               |          |            |       |         |        |             |  |  |

# 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

G50单线圈开槽+背胶