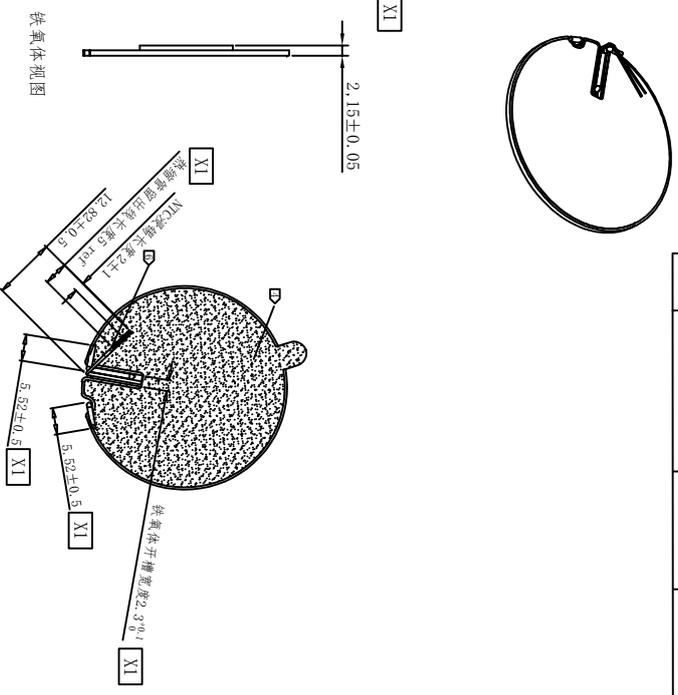
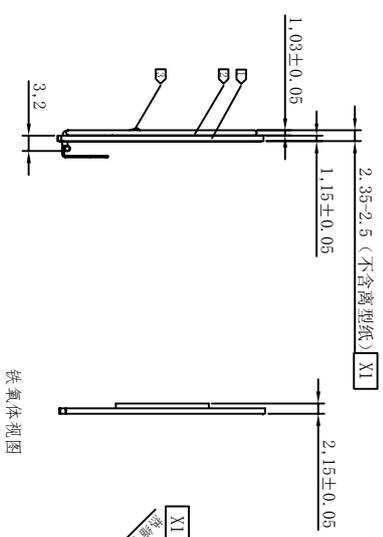
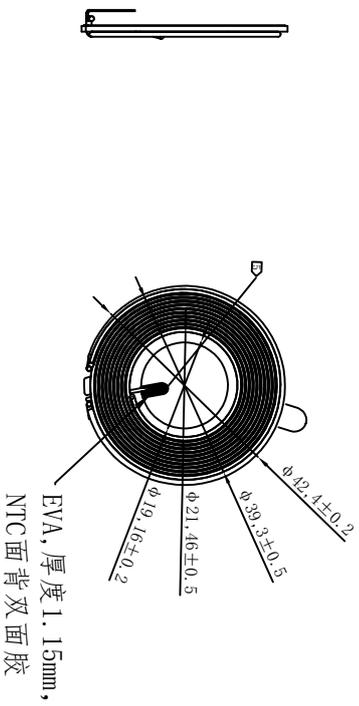


| REV. | ECN. RECORD | DATE     | APPD. |
|------|-------------|----------|-------|
| X0   | 发行初版        | 20230427 | xu    |
| X1   | 尺寸修改        | 20230814 | xu    |



模组规格



| Wire specification       |           | Winding specification |                     |
|--------------------------|-----------|-----------------------|---------------------|
| Diameter                 | Strands   | Formal-cover type     | Turns               |
| 0.08 (AWG30)             | 65        | Grade 2               | 11                  |
| Electrical specification |           | Shielding             | Strands             |
| RDC (Max)                | RAC (Max) | Inductance            | layer               |
| 70m ohm                  | 150m ohm  | 8.4uH±5%              | 1                   |
| Test conditions: 360K/1V |           | Material              | Permeability        |
|                          |           | DMR95                 | μ" @100kHz=3300±20% |
|                          |           |                       | μ" @100Hz≤500       |
|                          |           |                       | ≥300mT              |

- 技术要求:
- Number of turns: 11
  - Litz wire: Type-I, each turn 65 strands of 0.08 wire
  - 线圈贴磁片, 铁氧体开槽, 并增加中心铁氧体;
  - 铁氧体背胶3M9448A;
  - 背胶需要带离型纸及撕手位;
  - 出线展开长度到边缘为 $5.52\text{mm} \pm 0.5\text{mm}$ ,浸锡 $1 \sim 1.5\text{mm}$ ;
  - 线圈贴合需位于铁氧体中心, 同心圆偏差不超过 $0.2\text{mm}$
  - 3M9448A 在老化(25-90°C)后不可脱落于PCBA

| Wire specification       |           | Winding specification |                     |
|--------------------------|-----------|-----------------------|---------------------|
| Diameter                 | Strands   | Formal-cover type     | Turns               |
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|                          |           |                       | ≥300mT              |

|   |           |   |  |
|---|-----------|---|--|
| 7 | 热缩管       | B | TOLERANCE UNLESS OTHERWISE SPECIFIED (±) |
| 6 | EVA泡棉     | E |  |
| 5 | 双面胶撕手位    | D | DIMENSIONS ARE IN MILLIMETERS            |
| 4 | NTC       | C | 0<-<2                                    |
| 3 | Ferrite   | B | 2K-C10 ±0.05                             |
| 2 | Litz wire | A | 10<-<30 ±0.08                            |
| 1 | 材料        |   | 50<-<60 ±0.20                            |
|   |           |   | 20K-C20 ±0.20                            |
|   |           |   | ANGLES ±0.5°                             |
|   |           |   | CRITICAL DIM                             |
|   |           |   | PROCESS DIM                              |

|                  |               |           |
|------------------|---------------|-----------|
| CONVENIENT POWER | INTENDED USE: | TITLE:    |
|                  |               | COIL      |
| APPD.:           | P/N:          |           |
| CHKD.:           | SCALE: 1:1    | PAGE: 1/1 |
| D/R: xu 20230814 | UNIT: mm      | REV.: X1  |