

# Product Specification



|                      |             |
|----------------------|-------------|
| Specification Number | 20251022001 |
| Effective Date       | 2025/10/22  |

|                       |                                        |
|-----------------------|----------------------------------------|
| Customer Name         | Shenzhen Xinlang Electronics Co. , Ltd |
| Product Type          | Bare copper coil                       |
| Huimin Ya part number | TD-HBY20250328001-42.5L=165MM          |
| Customer Part Number  |                                        |

|              |           |         |
|--------------|-----------|---------|
| preparation  | review    | approve |
| Shufang Xiao | Yong Peng | Hui Zhu |

**Company:Anfu County Hui Minya Electronics Co. , Ltd**

G1 Building, High tech Industrial Park, Anfu County, Ji'an  
City, Jiangxi Province

This acknowledgement letter must be signed and returned by the customer within 30 days of receipt. Failure to do so will be considered as production and will be executed according to the standards of this acknowledgement letter.

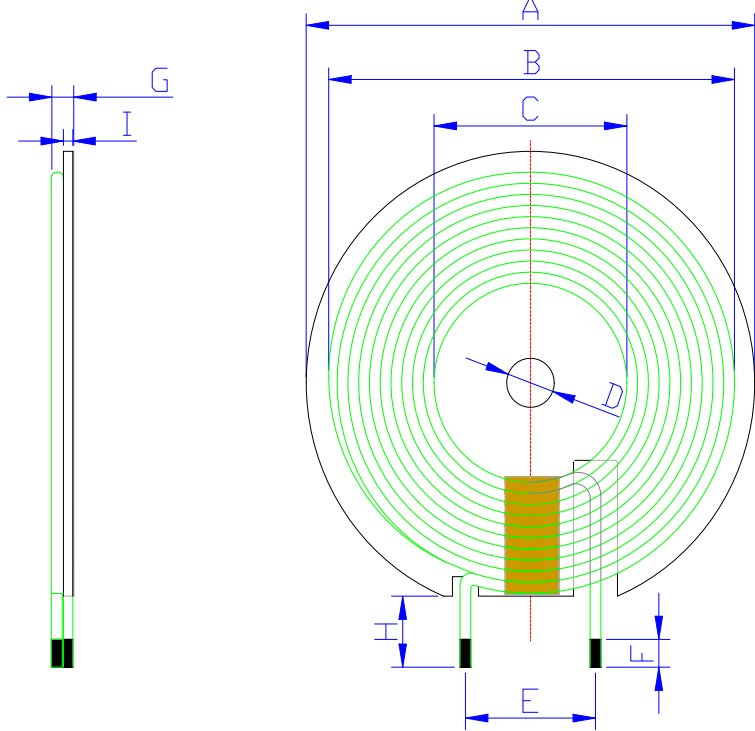
|         |        |         |       |
|---------|--------|---------|-------|
| approve | review | recheck | check |
|         |        |         |       |

Instructions

## Product Specification

|                          |                |                                        |                           |               |  |             |  |
|--------------------------|----------------|----------------------------------------|---------------------------|---------------|--|-------------|--|
| Customer Name            |                | Shenzhen Xinlang Electronics Co. , Ltd |                           | Customer Part |  |             |  |
| Part Number              |                | TD-HBY20250328001-42.5L=165MM          |                           | Number        |  | 20251022001 |  |
| Issuance/Revision Record |                |                                        |                           |               |  |             |  |
| version                  | Effective Date |                                        | Change content/reason     |               |  | approve     |  |
| 01                       | 2025/10/22     |                                        | New specification release |               |  |             |  |
|                          |                |                                        |                           |               |  |             |  |
|                          |                |                                        |                           |               |  |             |  |
|                          |                |                                        |                           |               |  |             |  |
|                          |                |                                        |                           |               |  |             |  |

# Product Specification

|                                                                                                                                |                                        |                         |                                      |             |                               |    |  |
|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------|--------------------------------------|-------------|-------------------------------|----|--|
| Customer Name                                                                                                                  | Shenzhen Xinlang Electronics Co. , Ltd |                         | Customer Part                        |             |                               |    |  |
| Part Number                                                                                                                    | TD-HBY20250328001-42.5L=165MM          |                         | Number                               | 20251022001 | version                       | 01 |  |
| <div>◆、Overall dimensions</div> <div></div> |                                        |                         |                                      | (Unit: mm)  |                               |    |  |
|                                                                                                                                |                                        |                         |                                      | A           | 42.5 ±0.5                     |    |  |
|                                                                                                                                |                                        |                         |                                      | B           | 39.0 ±1.5                     |    |  |
|                                                                                                                                |                                        |                         |                                      | C           | 20.5 ±0.5                     |    |  |
|                                                                                                                                |                                        |                         |                                      | D           | 5.3                           |    |  |
|                                                                                                                                |                                        |                         |                                      | E           | 3.0 ref                       |    |  |
|                                                                                                                                |                                        |                         |                                      | F           | 3 ±1                          |    |  |
|                                                                                                                                |                                        |                         |                                      | G           | 1.8 Max                       |    |  |
|                                                                                                                                |                                        |                         |                                      | H           | 165.0 ±2                      |    |  |
|                                                                                                                                |                                        |                         |                                      | I           | 0.60 ±0.1(Magnetic thickness) |    |  |
|                                                                                                                                |                                        |                         |                                      |             |                               |    |  |
|                                                                                                                                |                                        |                         |                                      |             |                               |    |  |
|                                                                                                                                |                                        |                         |                                      |             |                               |    |  |
|                                                                                                                                |                                        |                         |                                      |             |                               |    |  |
| ◆、Electrical Characteristics:                                                                                                  |                                        |                         |                                      |             |                               |    |  |
| parameter                                                                                                                      | Specifications                         |                         | test conditions                      | TEST        |                               |    |  |
| L0                                                                                                                             | 6.8±10%                                | μH                      | 100KHz/1V100KHz/                     | ■TH1816B    |                               |    |  |
| Q                                                                                                                              | >40                                    | min                     | 1V                                   | ■TH1816B    |                               |    |  |
| DCR                                                                                                                            | <50                                    | mΩ                      | @ 25℃                                | ■CH-502BC   |                               |    |  |
| ◆、temperature grade:                                                                                                           |                                        |                         |                                      |             |                               |    |  |
| Operating temperature                                                                                                          | -40℃~ 125℃                             |                         |                                      |             |                               |    |  |
|                                                                                                                                |                                        |                         |                                      |             |                               |    |  |
| ◆、Bill of Materials:                                                                                                           |                                        |                         |                                      |             |                               |    |  |
| serial number                                                                                                                  | Name                                   | Material Specifications | supplier                             |             |                               |    |  |
| 1                                                                                                                              | disk                                   | 42.5*5.3*0.6T           | PC95 Manganese Zinc                  |             |                               |    |  |
| 2                                                                                                                              | copper wire                            | 0.08*24P*2              | Bare copper wire                     |             |                               |    |  |
| 3                                                                                                                              | High-temperature tape                  | 4MM                     | Environmentally friendly tape        |             |                               |    |  |
| 4                                                                                                                              | tin                                    | 107H                    | Qiandao Environmental Protection Tin |             |                               |    |  |
| 5                                                                                                                              | glue                                   |                         | Environmentally friendly adhesive    |             |                               |    |  |
|                                                                                                                                |                                        |                         |                                      |             |                               |    |  |
|                                                                                                                                |                                        |                         |                                      |             |                               |    |  |
| preparation                                                                                                                    |                                        | review                  |                                      | approve     |                               |    |  |
| Shufang Xiao                                                                                                                   |                                        | Yong Peng               |                                      | Hui Zhu     |                               |    |  |