

# **Dongguan CityXinwang Coil Technology Co., Ltd**

**Add:** Room 601, Building 2, No. 92, Xinxing Road, Hengtang Industrial Zone, Tangxia Town, Dongguan City

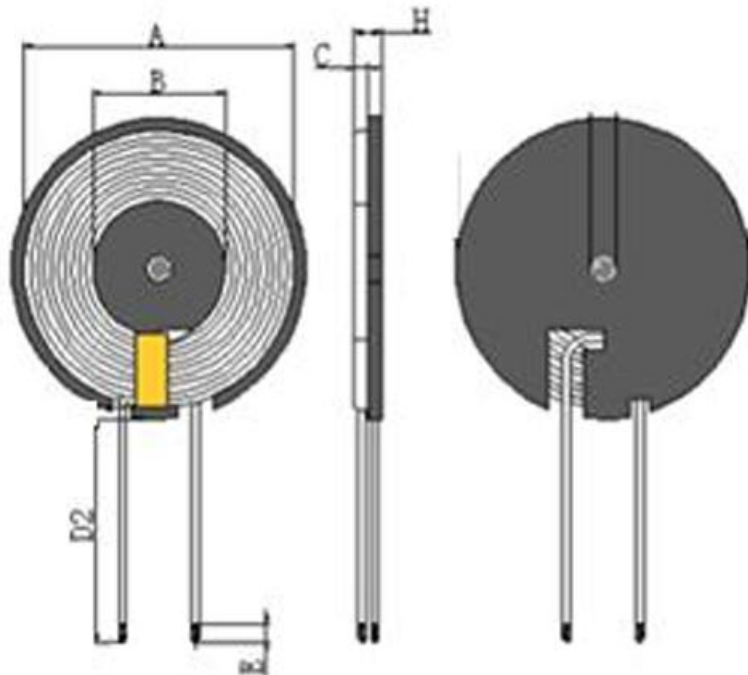
**Tel:** 13662722286

**Fax:**

## **SPECIFICATON APPROVAL**

**Product Name ofCustomer**\_\_\_\_\_A11-coil

**product Mame ofOurs(Maternal)**\_\_\_\_\_A11-coil

|                                                                                                                                                                                                                                                                                                                 |  |              |                                                                                                                                                                                                                                                                                                         |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Specification                                                                                                                                                                                                                                                                                                   |  | CISTOME P/N: | A11-coil                                                                                                                                                                                                                                                                                                |          |
|                                                                                                                                                                                                                                                                                                                 |  | PARTNUMBER:  |                                                                                                                                                                                                                                                                                                         |          |
| <div>1.DIMENSIONS: mm</div> <div>Operation frequency: 116-148KHz</div> <div></div> <div>We statement that All measurements were performed radiated and therefore additional antenna gain documentation is not required.</div> |  |              | A                                                                                                                                                                                                                                                                                                       | 50±1.0   |
|                                                                                                                                                                                                                                                                                                                 |  |              | B                                                                                                                                                                                                                                                                                                       | 20.5±0.5 |
|                                                                                                                                                                                                                                                                                                                 |  |              | C                                                                                                                                                                                                                                                                                                       | 1.0±0.05 |
|                                                                                                                                                                                                                                                                                                                 |  |              | D                                                                                                                                                                                                                                                                                                       | 40±2     |
|                                                                                                                                                                                                                                                                                                                 |  |              | E                                                                                                                                                                                                                                                                                                       | 3±1.5    |
|                                                                                                                                                                                                                                                                                                                 |  |              | F                                                                                                                                                                                                                                                                                                       |          |
|                                                                                                                                                                                                                                                                                                                 |  |              | G                                                                                                                                                                                                                                                                                                       |          |
|                                                                                                                                                                                                                                                                                                                 |  |              | H                                                                                                                                                                                                                                                                                                       | 2.8MAX   |
|                                                                                                                                                                                                                                                                                                                 |  |              | I                                                                                                                                                                                                                                                                                                       |          |
|                                                                                                                                                                                                                                                                                                                 |  |              | J                                                                                                                                                                                                                                                                                                       |          |
|                                                                                                                                                                                                                                                                                                                 |  |              | k                                                                                                                                                                                                                                                                                                       |          |
|                                                                                                                                                                                                                                                                                                                 |  |              | L                                                                                                                                                                                                                                                                                                       |          |
|                                                                                                                                                                                                                                                                                                                 |  |              | M                                                                                                                                                                                                                                                                                                       |          |
|                                                                                                                                                                                                                                                                                                                 |  |              | N                                                                                                                                                                                                                                                                                                       |          |
|                                                                                                                                                                                                                                                                                                                 |  |              | O                                                                                                                                                                                                                                                                                                       |          |
|                                                                                                                                                                                                                                                                                                                 |  |              | R                                                                                                                                                                                                                                                                                                       |          |
|                                                                                                                                                                                                                                                                                                                 |  |              | Q                                                                                                                                                                                                                                                                                                       |          |
|                                                                                                                                                                                                                                                                                                                 |  |              | <div>1. Attach magnetic sheets to the coil: the magnetic sheet size is 50±1mm, thickness is 1.0±0.05mm, and an L-shaped slot is to be opened.</div> <div>2. Wrap adhesive tape 1-2 turns around the coil's lead-out position.</div> <div>3. Attach adhesive to the bottom of the magnetic shield.</div> |          |

|                              |       |        |       |           |                      |                   |                    |  |
|------------------------------|-------|--------|-------|-----------|----------------------|-------------------|--------------------|--|
| Specifcation                 |       |        |       |           | CUSTOMERP/N:         |                   | A11-coil           |  |
|                              |       |        |       |           | PARTNUMBER:          |                   |                    |  |
| 5.WINDING DETAILS:           |       |        |       |           |                      |                   |                    |  |
| Wdy.NO.                      | Start | Finish | Turns | Wire Dia  | Wdg.TyepeSprad/Close | Wdg.Directio<br>n | Turns/Layer        |  |
| 1                            | S     | F      | 12TS  | 0.08*105P | Close                | Anticlockwise     | 1 layer/12 circles |  |
|                              |       |        |       |           |                      |                   |                    |  |
| 6.ELECTRICAL CHARACTERISTICS |       |        |       |           |                      |                   |                    |  |
| PARAMETERS                   |       |        |       | UNIN      |                      | LIMITI            |                    |  |
| Inductance Is@100KHz/1v      |       |        |       | UH        |                      | 10uH±10%          |                    |  |
| Q @100KHz/1v                 |       |        |       |           |                      | 70MIN             |                    |  |
| DCR @100KHz/1v               |       |        |       | m Ω       |                      | 50mΩ Max          |                    |  |
|                              |       |        |       |           |                      |                   |                    |  |

|               |               |             |               |  |          |  |
|---------------|---------------|-------------|---------------|--|----------|--|
| MATERIAL LIST |               |             | CUSTOMER P/N: |  | A11-coil |  |
|               |               |             | PARTNUMBER:   |  |          |  |
| NO.           | Material name | Description | Manufacturer  |  | Material |  |

|   |                           |                             |  |                                   |
|---|---------------------------|-----------------------------|--|-----------------------------------|
| 1 | Acetone silk wrap         | ø0.08*105mm 2UEW            |  | 99.95% copper                     |
| 2 | Solder Bar                | high temperature            |  |                                   |
| 3 | High-temperature adhesive | Gold Finger                 |  |                                   |
| 4 | Glue                      | Resin adhesive              |  |                                   |
| 5 | Magnetic disc             | 43.5*5.3*0.8MM              |  | Ferrites - Manganese zinc<br>PC40 |
| 6 | Double-sided tape         | Hand tear position adhesive |  |                                   |
| 7 | Pearl cotton              | 270*380*55                  |  |                                   |
| 8 | Cton                      | 280*390*190                 |  |                                   |
|   |                           |                             |  |                                   |
|   |                           |                             |  |                                   |
|   |                           |                             |  |                                   |