

Jiangmen Tianhua Core  
Technology Co., LTD

appearance article  
bear recognize write

SPECIFICATION    FOR    APPROVAL

customer name

CUSTOMER :            Shenzhen Ruifulai Intelligent Technology Co., LTD

name of a part

DESCRIPTION : coil pack

ts

MODEL /SPE :            Ferite diameter 44MM exposed length 138mm immersion 2  
                                         ± 1

date

DATE :                    2023-7-4

| make<br>(MANUFACTURER ) |                                        |                        | client<br>(CUSTOMER )  |                     |                        |
|-------------------------|----------------------------------------|------------------------|------------------------|---------------------|------------------------|
| A PPROVAL               |                                        |                        | A PPROVAL              |                     |                        |
| fiction<br>(DESIGNE     | examine<br>and<br>verify<br>(CHECKER ) | Approval<br>(APPROVER) | Drafting<br>(DESIGNER) | Review<br>(CHECKER) | Approval<br>(APPROVER) |
| Luo<br>Renwei           | Su Yanshu<br>业务专用章                     | Huang<br>Chuangeng     |                        |                     |                        |

Supplier name: Jiangmen Tianhua Core Technology Co., LTD

Supplier address: Building 5, No.20, Gaoxin East Road, Jianghai District,  
Jiangmen City

Contact person: Su Yang

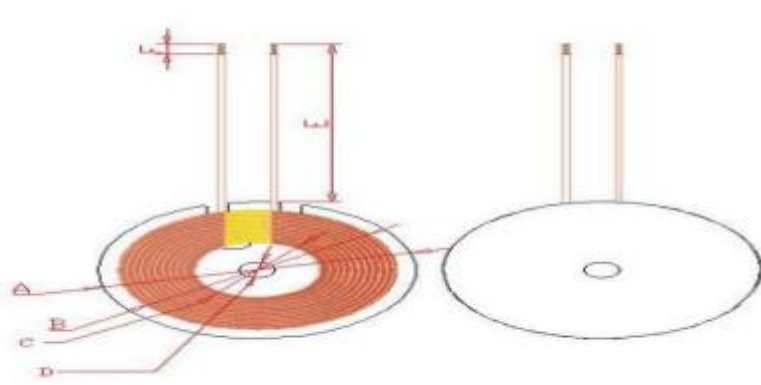
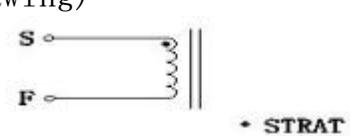
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remarks:

|                                                                                                                                        |                                                            |                                        |                                                                |                                                  |                                                                                                  |                                                   |  |
|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------|----------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------|--|
| CUSTO MER<br>client                                                                                                                    | Shenzhen Ruifulai<br>Intelligent<br>Technology<br>Co., LTD |                                        |                                                                | CUSTOMER P /<br>N Customer<br>material<br>number |                                                                                                  |                                                   |  |
| D<br>ESCRPTION<br>N<br>Specifica<br>tion and<br>model                                                                                  | Ferrites diameter 44MM exposed<br>length 138MM             |                                        |                                                                |                                                  | D ATE<br>date                                                                                    | 2023/7/4                                          |  |
| <div>1.MECHANICA (Mechanical Size)</div> <div></div> |                                                            |                                        |                                                                |                                                  |                                                                                                  |                                                   |  |
|                                                                                                                                        |                                                            |                                        |                                                                |                                                  | A                                                                                                | 43.5±1.0                                          |  |
|                                                                                                                                        |                                                            |                                        |                                                                |                                                  | B                                                                                                | 40.5±1.0                                          |  |
|                                                                                                                                        |                                                            |                                        |                                                                |                                                  | C                                                                                                | 5.2±0.5                                           |  |
|                                                                                                                                        |                                                            |                                        |                                                                |                                                  | D                                                                                                | 20.5±0.5                                          |  |
|                                                                                                                                        |                                                            |                                        |                                                                |                                                  | E                                                                                                | 138±2                                             |  |
|                                                                                                                                        |                                                            |                                        |                                                                |                                                  | F                                                                                                | 4.0±2.0                                           |  |
|                                                                                                                                        |                                                            |                                        |                                                                |                                                  |                                                                                                  |                                                   |  |
|                                                                                                                                        |                                                            |                                        |                                                                |                                                  |                                                                                                  |                                                   |  |
| 2.ELECTRIC CHARACTERISTIC (Electrical<br>Characteristics)                                                                              |                                                            |                                        |                                                                |                                                  | 3. SCHEMATIC (Schematic<br>drawing)                                                              |                                                   |  |
| MEAS .ITEM<br>test item                                                                                                                | SPEC,<br>Electri<br>cal<br>range                           | TEST FREQ<br>Test<br>conditio<br>ns    | TEST<br>STRU MENTS<br>measuring<br>and test<br>instrumen<br>ts | TYP .<br>reference<br>value                      | <div></div> |                                                   |  |
| inductance<br>value (L)                                                                                                                | .56uH<br>±10%                                              | 1KHZ /0.3V                             | TH -2829A                                                      |                                                  | 4. PACKING (Packaging)                                                                           |                                                   |  |
|                                                                                                                                        |                                                            |                                        |                                                                |                                                  | Pearl cotton + carton                                                                            |                                                   |  |
|                                                                                                                                        |                                                            |                                        |                                                                |                                                  |                                                                                                  |                                                   |  |
| 5.MATERIAL LIST (Bill of Materials)                                                                                                    |                                                            |                                        |                                                                |                                                  |                                                                                                  |                                                   |  |
| N o<br>order<br>number                                                                                                                 | Material<br>name Item<br>name                              | SPEC .<br>Specification<br>description |                                                                | Rating Temp<br>. Curie<br>point                  | Vendo r<br>supplier                                                                              | UL File<br>Yellow card<br>certification<br>number |  |
| 1                                                                                                                                      | COR E<br>magnetic<br>core                                  | 44mm, circle<br>with holes             |                                                                | 120℃                                             | H L                                                                                              | N /A                                              |  |

|   |                                   |                       |       |                                        |             |
|---|-----------------------------------|-----------------------|-------|----------------------------------------|-------------|
| 2 | WIRE WINDING<br>Silk wrap<br>wire | Ø0.07mm *100P *10TS   | 150°C | SH ENZHEN<br>DAYAN G<br>INDUSTRY<br>CO | UL E 176101 |
| 3 | S OLDER<br>No lead tin            | Sn :99.3%<br>Cu :0.7% |       | LTD<br>JX                              | N /A        |
|   |                                   |                       |       |                                        |             |
|   |                                   |                       |       |                                        |             |
|   |                                   |                       |       |                                        |             |

|                                                      |                                                            |                                                  |               |          |
|------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------|---------------|----------|
| CUSTO MER<br>client                                  | Shenzhen Ruifulai<br>Intelligent<br>Technology<br>Co., LTD | CUSTOMER P /<br>N Customer<br>material<br>number | 0             |          |
| D<br>ESCRPTIO<br>N<br>Specifica<br>tion and<br>model | Ferrites diameter 44MM exposed<br>length 138MM             |                                                  | D ATE<br>date | 2023/7/4 |

6. TEST DATA FOR PREPRODUCTION SAMPLES (Performance Test Results Report)

|                                          |            |  |  |  |  |  |
|------------------------------------------|------------|--|--|--|--|--|
| MEAS . ITEM<br>test item                 | L<br>(uH)  |  |  |  |  |  |
| The SPEC<br>electrical<br>activity range | 6.4±10%    |  |  |  |  |  |
| TEST FREQ<br>test condition              | 1KHZ /0.3V |  |  |  |  |  |
| TEST STRUMENTS<br>Test the<br>instrument | TH -2829A  |  |  |  |  |  |
| 1                                        | 6.45       |  |  |  |  |  |
| 2                                        | 6.43       |  |  |  |  |  |
| 3                                        | 6.55       |  |  |  |  |  |
| 4                                        | 6.28       |  |  |  |  |  |
| 5                                        | 6.39       |  |  |  |  |  |
| 6                                        | 6.54       |  |  |  |  |  |
| 7                                        | 6.43       |  |  |  |  |  |
| 8                                        | 6.51       |  |  |  |  |  |
| 9                                        | 6.41       |  |  |  |  |  |
| 10                                       | 6.36       |  |  |  |  |  |
| $\overline{X}$                           | 6.435      |  |  |  |  |  |
| R                                        | 0.27       |  |  |  |  |  |

TEST CONDITION
TEMP :25℃ (REF)
R .H .: 80%(REF )

:
Room temperature:
Relative humidity: 80% (REF)
25℃ (REF)

Test room
temperature /
humidity:

|                 |         |                          |                |  |
|-----------------|---------|--------------------------|----------------|--|
| order<br>number | project | technical<br>requirement | conclusi<br>on |  |
|-----------------|---------|--------------------------|----------------|--|

|                                            |                     |                                                                       |                   |
|--------------------------------------------|---------------------|-----------------------------------------------------------------------|-------------------|
| 1                                          | Appearance and size | Compliance with the product specifications and tolerance requirements | OK                |
| 2                                          | Feet pulling force  | Greater than or equal to 10N                                          | OK                |
|                                            |                     |                                                                       |                   |
|                                            |                     |                                                                       |                   |
| Jiangmen Tianhua Core, Technology Co., LTD |                     | DESIGNER<br>Prepare it                                                | CHECKER Review    |
|                                            |                     | Luo Renwen                                                            | Su Yang           |
|                                            |                     |                                                                       | APPROVED Approval |
|                                            |                     |                                                                       | Huang Chuangen    |