



ISO9001-2015  
Certificate No.672Q22020207194



No.T52210311961TC Date;OCT 12,2022 No.T52310270397TC Date;apr 15,2023  
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# 承認書

## SPECIFICATION FOR APPROVAL

客户名稱  
CUSTOMER

品名規格  
DESCRIPTION RH 17.5×28.5×11.5

客户料號  
CUS. P/N

提出日期  
DATE 2025.05.12

| 出 圖<br>RDAWING |                |                 |
|----------------|----------------|-----------------|
| 發 行<br>MADE    | 復 核<br>CHECKED | 確 認<br>APPROVED |
| 李光赫            | 方煜镗            | 梁琼              |
| 销售部：张 丽        |                |                 |

| 承 認<br>CUSTOMER APPROVE |
|-------------------------|
|                         |



深圳市航宇磁电有限公司

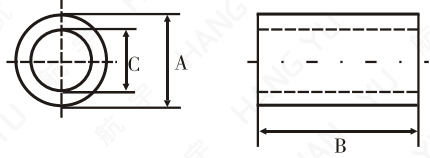
广东省深圳市西乡  
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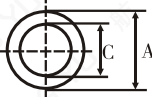
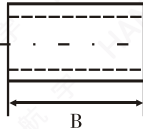
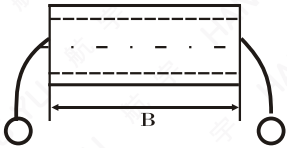
# 承 認 書

## SPECIFICATION FOR APPROVAL

|                                                                                                                                                                     |                                     |                                       |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------|----------------|
| 客戶名稱<br>CUSTOMER                                                                                                                                                    |                                     | 日期<br>DATE                            | 2025.05.12     |
| 規格<br>ITEM                                                                                                                                                          | RH 17.5×28.5×11.5                   | 編號<br>SERIAL NO.                      |                |
| 1.1. 形狀尺寸(單位/毫米):<br>SHAPE & DIMENSION(unit/mm):                                                                                                                    |                                     | 1.2. 實物圖:<br>The Sample::             |                |
|   |                                     | A                                     | 17.5 ± 0.6 mm  |
|                                                                                                                                                                     |                                     | B                                     | 28.5 ± 0.7 mm  |
|                                                                                                                                                                     |                                     | C                                     | 11.5 ± 0.5 mm  |
|                                                                                                                                                                     |                                     | D                                     |                |
|                                                                                                                                                                     |                                     | E                                     |                |
|                                                                                                                                                                     |                                     | F                                     |                |
|                                                                                                                                                                     |                                     | G                                     |                |
|                                                                                                                                                                     |                                     | H                                     |                |
| 2. 電氣性能檢測項目:<br>ELECTRICAL REQUIREMENTS:                                                                                                                            |                                     | 測試儀器<br>TEST INSTRUMENTS              |                |
| <input type="checkbox"/> L                                                                                                                                          |                                     | TEST<br>FREQ                          | KHZ<br>MHZ     |
| <input type="checkbox"/> Q                                                                                                                                          |                                     | TEST<br>FREQ                          | KHZ<br>MHZ     |
| <input checked="" type="checkbox"/> Z                                                                                                                               | Z1= 50Ω MIN 25 KHZ<br>Z3= / KHZ MHZ | Z2= 120Ω MIN 100 KHZ<br>Z4= / KHZ MHZ |                |
| 溫度<br>TEMP                                                                                                                                                          | ℃                                   | 濕 度<br>HUMIDITY                       | %              |
| 線 組<br>WINDING                                                                                                                                                      |                                     | Φ0.5x0.5TSx100L(mm)                   |                |
| 1. Q-METER:<br>○ HP 4342A    ○ MQ-172                                                                                                                               |                                     |                                       |                |
| 2. L.C.R. METER:<br>○ HP 4284A                                                                                                                                      |                                     |                                       |                |
| 3. IMPEDANCE ANALYZER:<br>○ HP 4396B    ○ HP 4191A    ØE4991A<br>Ø Agilent 16194A-TESTFIXTURE                                                                       |                                     |                                       |                |
| 4. L-METER:<br>○ TH 2775B                                                                                                                                           |                                     |                                       |                |
| 5. DIGITAL MINI-OHMMETER:<br>○ VP2941A                                                                                                                              |                                     |                                       |                |
| 3. 外觀:<br>THE LIMIT OF BREAKAGE:                                                                                                                                    |                                     |                                       |                |
| 項 目<br>Item                                                                                                                                                         |                                     | 標準值<br>Standard Value                 |                |
| 一處缺陷的面積<br>Area of a breakage                                                                                                                                       |                                     | ≤1mm <sup>2</sup>                     |                |
| 總缺陷面積<br>All area of the breakage                                                                                                                                   |                                     | ≤2mm <sup>2</sup>                     |                |
| 缺陷深度<br>The depth of the breakage                                                                                                                                   |                                     | ≤0.4mm                                |                |
| 毛刺長度<br>The length of burr                                                                                                                                          |                                     | ≤0.2mm                                |                |
| 測試條件:<br>TESTING CONDITION:                                                                                                                                         |                                     |                                       |                |
| 1. 測試儀器:<br>Testing Equipment:                                                                                                                                      |                                     | E4991A+16194A                         |                |
| 2. 測試頻率區間:<br>Testing Frequency Range:                                                                                                                              |                                     | 1-500MHz                              |                |
| 3. 測試線組:<br>Testin gCoil S pecification:                                                                                                                            |                                     | Φ0.5x0.5TSx100L(mm)                   |                |
|                                                                                                                                                                     |                                     | 測 試<br>TESTED                         | 復 核<br>CHECKED |
|                                                                                                                                                                     |                                     | 李光赫                                   | 方煜镗            |
|                                                                                                                                                                     |                                     | 確 認<br>APPROVED                       |                |
|                                                                                                                                                                     |                                     | 梁琼                                    |                |

深圳市航宇磁电有限公司

檢驗數據  
INSPECTION DATA

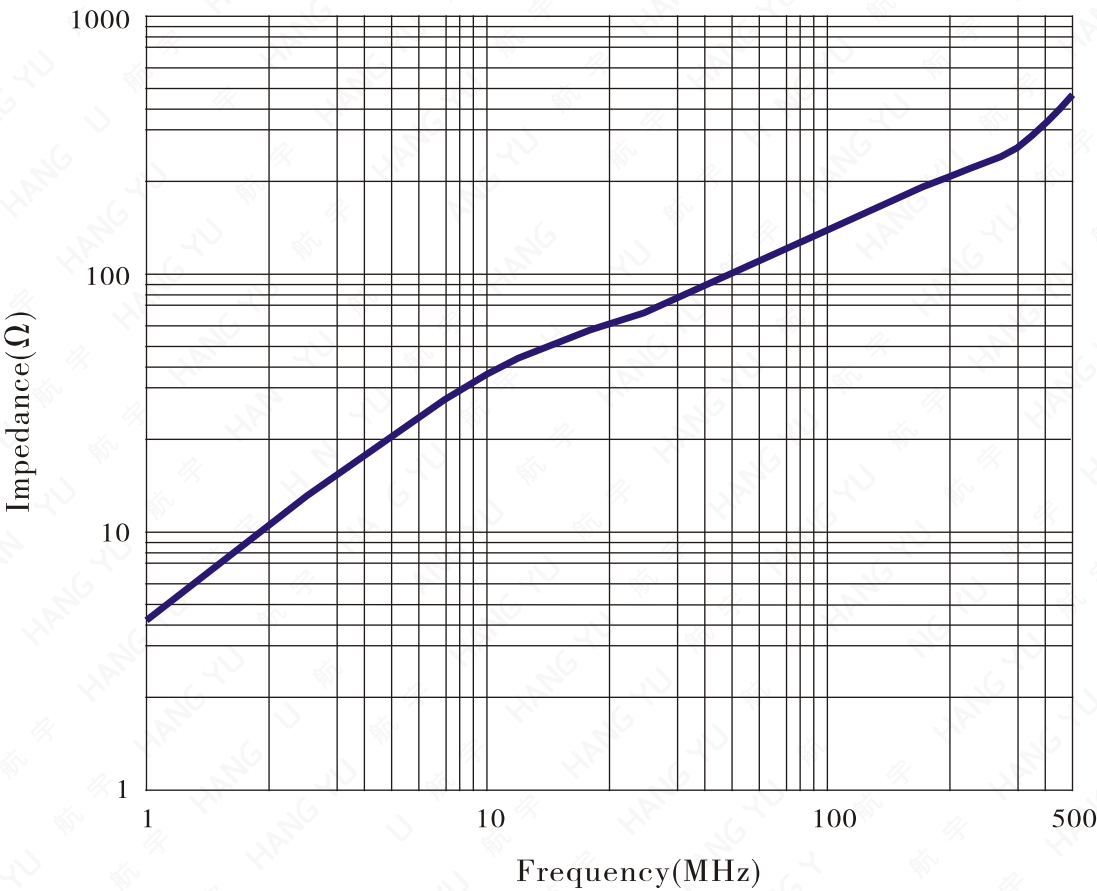
|                                                                                                                                        |                                  |                |                         |        |       |                                                                                   |                                                                                    |                                                                                                             |                 |       |   |   |
|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------|-------------------------|--------|-------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------|-------|---|---|
| 客戶名稱<br>CUSTOMER                                                                                                                       |                                  |                |                         |        |       | 日期<br>DATE                                                                        | 2025.05.12                                                                         |                                                                                                             | 數量<br>QUANTITY  | 10PCS |   |   |
| 編號<br>SERIAL NO.                                                                                                                       |                                  |                |                         |        |       | 形狀尺寸(單位/毫米):<br>SHAPE & DIMENSION(unit/mm):                                       |                                                                                    | 實物圖:<br>The Sample::<br> |                 |       |   |   |
| 規格<br>ITEM                                                                                                                             | RH 17.5x28.5x11.5                |                |                         |        |       |                                                                                   |                                                                                    |                                                                                                             |                 |       |   |   |
| 線組<br>WINDING                                                                                                                          | Φ0.5x0.5TSx100L(mm)              |                |                         |        |       |                                                                                   |                                                                                    |                                                                                                             |                 |       |   |   |
| 測試頻率<br>TEST FREQ                                                                                                                      | Z1=      KHZ<br>25 MHZ           |                | Z2=      KHZ<br>100 MHZ |        |       |  |  |                                                                                                             |                 |       |   |   |
|                                                                                                                                        | Z3=      KHZ<br>MHZ              |                | Z4=      KHZ<br>MHZ     |        |       |                                                                                   |                                                                                    |                                                                                                             |                 |       |   |   |
| 溫度<br>TEMP                                                                                                                             | ℃                                | 濕度<br>HUMIDITY |                         |        |       |                                                                                   |                                                                                    |                                                                                                             |                 |       |   |   |
| 項目<br>TEST ITEM                                                                                                                        | 電氣性能<br>ELECTRIC CHARACTERISTICS |                |                         |        |       |                                                                                   | 尺寸(單位:毫米)<br>DIMENSION(unit:mm)                                                    |                                                                                                             |                 |       |   |   |
|                                                                                                                                        | Q                                | L(μH)<br>(MH)  | Z1(Ω)                   | Z2(Ω)  | Z3(Ω) | Z4(Ω)                                                                             | A                                                                                  | B                                                                                                           | C               | D     | E | F |
|                                                                                                                                        |                                  |                | 50                      | 120    |       |                                                                                   | 17.5                                                                               | 28.5                                                                                                        | 11.5            |       |   |   |
| +                                                                                                                                      |                                  |                | /                       | /      |       |                                                                                   | 0.6                                                                                | 0.7                                                                                                         | 0.5             |       |   |   |
| -                                                                                                                                      |                                  |                | 0                       | 0      |       |                                                                                   | 0.6                                                                                | 0.7                                                                                                         | 0.5             |       |   |   |
| 1                                                                                                                                      |                                  |                | 66.6                    | 146.2  |       |                                                                                   | 17.05                                                                              | 28.50                                                                                                       | 11.25           |       |   |   |
| 2                                                                                                                                      |                                  |                | 68.0                    | 146.4  |       |                                                                                   | 17.10                                                                              | 28.60                                                                                                       | 11.30           |       |   |   |
| 3                                                                                                                                      |                                  |                | 66.8                    | 145.8  |       |                                                                                   | 17.22                                                                              | 28.28                                                                                                       | 11.27           |       |   |   |
| 4                                                                                                                                      |                                  |                | 66.2                    | 145.0  |       |                                                                                   | 17.15                                                                              | 28.35                                                                                                       | 11.18           |       |   |   |
| 5                                                                                                                                      |                                  |                | 66.4                    | 146.2  |       |                                                                                   | 17.34                                                                              | 28.29                                                                                                       | 11.26           |       |   |   |
| 6                                                                                                                                      |                                  |                | 67.0                    | 146.6  |       |                                                                                   | 17.08                                                                              | 28.39                                                                                                       | 11.29           |       |   |   |
| 7                                                                                                                                      |                                  |                | 68.2                    | 145.2  |       |                                                                                   | 17.32                                                                              | 28.45                                                                                                       | 11.27           |       |   |   |
| 8                                                                                                                                      |                                  |                | 67.6                    | 145.0  |       |                                                                                   | 17.46                                                                              | 28.27                                                                                                       | 11.30           |       |   |   |
| 9                                                                                                                                      |                                  |                | 66.6                    | 146.3  |       |                                                                                   | 17.38                                                                              | 28.54                                                                                                       | 11.25           |       |   |   |
| 10                                                                                                                                     |                                  |                | 68.4                    | 145.7  |       |                                                                                   | 17.47                                                                              | 28.48                                                                                                       | 11.32           |       |   |   |
| X̄                                                                                                                                     |                                  |                | 67.18                   | 145.84 |       |                                                                                   | 17.25                                                                              | 28.41                                                                                                       | 11.26           |       |   |   |
| Y/N                                                                                                                                    |                                  |                | Y                       | Y      |       |                                                                                   | Y                                                                                  | Y                                                                                                           | Y               |       |   |   |
| 測試儀器:<br>TEST INSTRUMENTS:<br><br>E4991A+16194A<br> |                                  |                |                         |        |       |                                                                                   | 檢 驗<br>INSPECTED                                                                   | 復 核<br>CHECKED                                                                                              | 確 認<br>APPROVED |       |   |   |
|                                                                                                                                        |                                  |                |                         |        |       |                                                                                   | 李光赫                                                                                | 方煜镗                                                                                                         | 梁琮              |       |   |   |

阻抗 - 頻率曲綫  
IMPEDANCE V.S FREQUENCY (Z-Y)

|                  |                   |                  |            |
|------------------|-------------------|------------------|------------|
| 客戶名稱<br>CUSTOMER |                   | 日期<br>DATE       | 2025.05.12 |
| 規格<br>ITEM       | RH 17.5x28.5x11.5 | 編號<br>SERIAL NO. |            |

材質特性 MATERIAL CHARACTERISTICS

| 材料牌號<br>Material | 初始磁導率<br>Initial Permeability | 比損耗因子<br>Relative Loss Factor             | 比溫度系數<br>Relative Temperature Coefficient | 飽和磁通密度<br>Saturation Magnetic Flux Density | 剩磁<br>Remanence | 矯頑力<br>Coercivity | 居裏溫度<br>Curie Temperature | 電阻率<br>Electrical Resistivity  | 密度<br>Density          |
|------------------|-------------------------------|-------------------------------------------|-------------------------------------------|--------------------------------------------|-----------------|-------------------|---------------------------|--------------------------------|------------------------|
| Unit symbol      | $\mu_i$<br>$\pm 20\%$         | $\tan \delta / \mu_i$<br>$\times 10^{-6}$ | $\alpha \mu_i \%$<br>$\times 10^{-6}$     | Bs<br>(MT)                                 | Br<br>(MT)      | HC<br>(A/m)       | Tc<br>(°C)                | $\rho$<br>( $\Omega \cdot m$ ) | d<br>g/cm <sup>3</sup> |
|                  |                               | 20 (0.1MHz)                               | 2 - 5                                     | 330(1600A/m)                               | 150             | 35                | >110                      | >10 <sup>5</sup>               | 4.9                    |



|                   |    |    |              |               |                |
|-------------------|----|----|--------------|---------------|----------------|
| 客戶簽回欄             | 確認 | 審核 | 測試<br>TESTED | 復核<br>CHECKED | 確認<br>APPROVED |
|                   |    |    | 李光赫          | 方煜鎰           | 梁琮             |
| www.yucore.com.cn |    |    |              |               |                |