



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 12×20×8

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            | 方煜镠            | 梁琼              |
| 销售部：张 丽        |                |                 |

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



深圳市航宇磁电有限公司

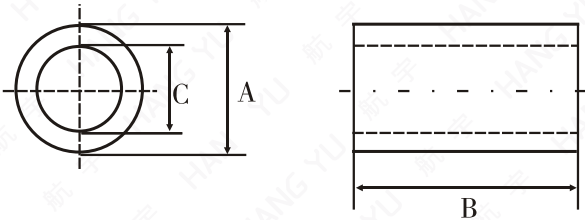
广东省深圳市西乡  
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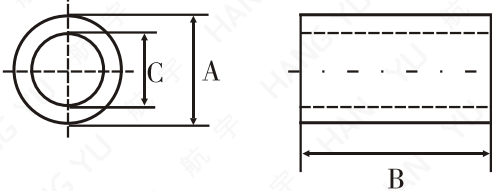
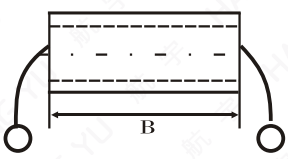
# 承 認 書

## SPECIFICATION FOR APPROVAL

|                                                                                                                                     |              |                       |                          |                |                |                 |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------|--------------------------|----------------|----------------|-----------------|
| 客戶名稱<br>CUSTOMER                                                                                                                    |              | 日期<br>DATE            | 2025.05.12               |                |                |                 |
| 規 格<br>ITEM                                                                                                                         | RH 12×20×8   |                       | 編 號<br>SERIAL NO.        |                |                |                 |
| 1. 形狀尺寸(單位/毫米):<br>SHAPE & DIMENSION(unit/mm):<br> |              |                       | A                        | 12 ± 0.5 mm    |                |                 |
|                                                                                                                                     |              |                       | B                        | 20 ± 0.6 mm    |                |                 |
|                                                                                                                                     |              |                       | C                        | 8 ± 0.4 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 FREQ             | KHZ<br>MHZ               |                |                |                 |
| <input type="checkbox"/> Q                                                                                                          |              | TEST FREQ             | KHZ<br>MHZ               |                |                |                 |
| <input checked="" type="checkbox"/> Z                                                                                               | Z1= 30 Ω MIN | KHZ<br>25 MHZ         | Z2= 70 Ω MIN             | KHZ<br>100 MHZ |                |                 |
|                                                                                                                                     | Z3=          | KHZ<br>MHZ            | Z4=                      | KHZ<br>MHZ     |                |                 |
| 溫度<br>TEMP                                                                                                                          | ℃            | 濕 度<br>HUMIDITY       | %                        |                |                |                 |
| 線 組<br>WINDING                                                                                                                      |              |                       | Φ0.5x0.5TSx100L(mm)      |                |                |                 |
| 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:                                                                                                      |              | HP 4191A              |                          | 測 試<br>TESTED  | 復 核<br>CHECKED |                 |
| 2. 測試頻率區間:<br>Testing Frequency Range:                                                                                              |              | 1-1000MHz             |                          | 李光赫            | 方煜镗            |                 |
| 3. 測試線組:<br>Testing Coil Specification:                                                                                             |              | Φ0.5x0.5TSx100L(mm)   |                          |                |                | 確 認<br>APPROVED |
|                                                                                                                                     |              |                       |                          | 梁琼             |                |                 |

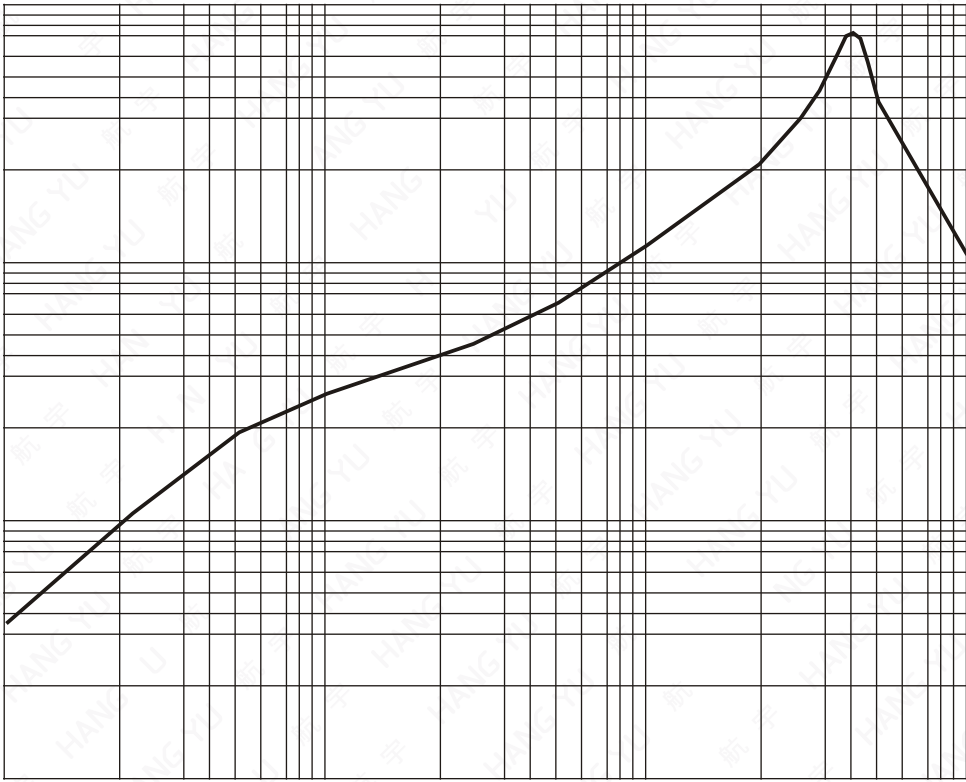
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檢驗數據  
INSPECTION DATA

|                                            |                                  |               |                         |        |       |                                                                                                                                   |                                 |                  |                |                |   |                 |  |
|--------------------------------------------|----------------------------------|---------------|-------------------------|--------|-------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|----------------|----------------|---|-----------------|--|
| 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):<br> |                                 |                  |                |                |   |                 |  |
| 規格<br>ITEM                                 | RH 12 × 20 × 8                   |               |                         |        |       |                                                                                                                                   |                                 |                  |                |                |   |                 |  |
| 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               |  |
|                                            |                                  |               | 30                      | 70     |       |                                                                                                                                   | 12                              | 20               | 8              |                |   |                 |  |
| +                                          |                                  |               | /                       | /      |       |                                                                                                                                   | 0.5                             | 0.6              | 0.4            |                |   |                 |  |
| -                                          |                                  |               | 0                       | 0      |       |                                                                                                                                   | 0.5                             | 0.6              | 0.4            |                |   |                 |  |
| 1                                          |                                  |               | 45.6                    | 112.2  |       |                                                                                                                                   | 11.95                           | 19.86            | 8.27           |                |   |                 |  |
| 2                                          |                                  |               | 45.8                    | 112.0  |       |                                                                                                                                   | 11.96                           | 19.77            | 8.19           |                |   |                 |  |
| 3                                          |                                  |               | 45.4                    | 112.4  |       |                                                                                                                                   | 11.98                           | 19.78            | 8.22           |                |   |                 |  |
| 4                                          |                                  |               | 46.2                    | 111.8  |       |                                                                                                                                   | 12.10                           | 19.82            | 8.20           |                |   |                 |  |
| 5                                          |                                  |               | 46.6                    | 111.2  |       |                                                                                                                                   | 12.12                           | 19.85            | 8.11           |                |   |                 |  |
| 6                                          |                                  |               | 46.4                    | 112.4  |       |                                                                                                                                   | 12.05                           | 19.83            | 8.17           |                |   |                 |  |
| 7                                          |                                  |               | 46.2                    | 111.6  |       |                                                                                                                                   | 12.09                           | 19.86            | 8.26           |                |   |                 |  |
| 8                                          |                                  |               | 45.8                    | 111.8  |       |                                                                                                                                   | 12.06                           | 19.91            | 8.33           |                |   |                 |  |
| 9                                          |                                  |               | 45.8                    | 112.6  |       |                                                                                                                                   | 12.01                           | 19.94            | 8.32           |                |   |                 |  |
| 10                                         |                                  |               | 46.2                    | 111.2  |       |                                                                                                                                   | 12.03                           | 19.95            | 8.32           |                |   |                 |  |
| X̄                                         |                                  |               | 46.00                   | 111.92 |       |                                                                                                                                   | 12.03                           | 19.85            | 8.24           |                |   |                 |  |
| Y/N                                        |                                  |               | Y                       | Y      |       |                                                                                                                                   | Y                               | Y                | Y              |                |   |                 |  |
| 測試儀器:<br>TEST INSTRUMENTS:<br><br>HP 4191A |                                  |               |                         |        |       |                                                |                                 | 檢 驗<br>INSPECTED |                | 復 核<br>CHECKED |   | 確 認<br>APPROVED |  |
|                                            |                                  |               |                         |        |       |                                                                                                                                   |                                 | 李光赫              |                | 方煜镗            |   | 梁琼              |  |

深圳市航宇磁电有限公司

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

|                                                                                                                                                    |                               |                               |                                           |                                            |                        |                   |                                    |                               |                                 |                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------|-------------------------------------------|--------------------------------------------|------------------------|-------------------|------------------------------------|-------------------------------|---------------------------------|-------------------|
| 客戶名稱<br>CUSTOMER                                                                                                                                   |                               |                               | 日期<br>DATE                                |                                            |                        | 2025.05.12        |                                    |                               |                                 |                   |
| 規 格<br>ITEM                                                                                                                                        |                               |                               | RH 12×20×8                                |                                            |                        | 編 號<br>SERIAL NO. |                                    |                               |                                 |                   |
| 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>Reman-<br>-ence | 矯頑力<br>Coercivity | 居裏溫度<br>Curie<br>Tempera-<br>-ture | 電阻率<br>Electrical Resistivity | 使用範圍<br>Applied Frequency Range | 密度<br>Density     |
| Unit                                                                                                                                               | $\mu_i$                       | $\tan \delta / \mu_i$         | $\alpha \mu_i / ^\circ C$                 | Bs                                         | Br                     | HC                | Tc                                 | $\rho$                        | F                               | d                 |
| symbol                                                                                                                                             | $\pm 20\%$                    | $\times 10^{-6}$              | $\times 10^{-6}$                          | (MT)                                       | (MT)                   | (A/m)             | ( $^\circ C$ )                     | ( $\Omega \cdot m$ )          | MHz                             | g/cm <sup>3</sup> |
|                                                                                                                                                    |                               | 20 (0.1MHz)                   | 2 - 5                                     | 330(1600A/m)                               | 150                    | 35                | >110                               | >10 <sup>5</sup>              | 0.1-1.5                         | 4.9               |
| <div><div>Impedance(<math>\Omega</math>)</div><div></div></div> |                               |                               |                                           |                                            |                        |                   |                                    |                               |                                 |                   |
|                                                                                                                                                    |                               |                               |                                           |                                            |                        |                   |                                    |                               |                                 |                   |
| 客戶<br>簽回<br>欄                                                                                                                                      | 确 認                           |                               | 审 核                                       |                                            | 測 試<br>TESTED          |                   | 復 核<br>CHECKED                     |                               | 確 認<br>APPROVED                 |                   |
|                                                                                                                                                    |                               |                               |                                           |                                            | 李光赫                    |                   | 方煜镗                                |                               | 梁琮                              |                   |
| www.yucores.com.cn                                                                                                                                 |                               |                               |                                           |                                            |                        |                   |                                    |                               |                                 |                   |

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