



ISO9001-2015
Certificate No:672Q22020207194

No.T52210311961TC Date;OCT 12,2022 No.T52310270397TC Date:apr 15.2023

承 認 書

SPECIFICATION FOR APPROVAL

客户名稱
CUSTOMER

品名規格
DESCRIPTION RH 7.8×12.7×4.3

客户料號
CUS. P/N

提出日期
DATE 2025.05.12

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

| 承 認 CUSTOMER APPROVE |
|-------------------------|
| |



深圳市航宇磁电有限公司

承 認 書

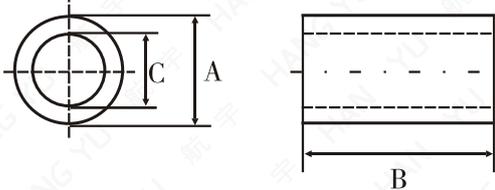
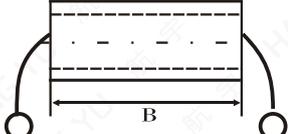
SPECIFICATION FOR APPROVAL

| | | | | |
|--|---------------------|---|-----------------------|----------------|
| 客戶名稱 CUSTOMER | | 日期 DATE | 2025.05.12 | |
| 規 格 ITEM | RH 7.8×12.7×4.3 | 編 號 SERIAL NO. | | |
| 1. 形狀尺寸(單位/毫米): SHAPE & DIMENSION(unit/mm): | | A | 7.8 ± 0.2 mm | |
| | | B | 12.7 ± 0.5 mm | |
| | | C | 4.3+0.3/-0 mm | |
| | | D | | |
| | | E | | |
| | | F | | |
| | | G | | |
| | | H | | |
| 2. 電氣性能檢測項目: ELECTRICAL REQUIREMENTS: | | 測試儀器 TEST INSTRUMENTS | | |
| <input type="checkbox"/> L | | TEST FREQ | KHZ MHZ | |
| <input type="checkbox"/> Q | | TEST FREQ | KHZ MHZ | |
| <input checked="" type="checkbox"/> Z | Z1= 30Ω MIN | KHZ 25 MHZ | Z2= 70Ω MIN | KHZ 100 MHZ |
| | Z3= / | KHZ MHZ | Z4= / | KHZ MHZ |
| 溫度 TEMP | ℃ | 濕度 HUMIDITY | % | |
| 綫 組 WINDING | Φ0.5x0.5TSx100L(mm) | | | |
| 3. 外觀: THE LIMIT OF BREAKAGE: | | 1. Q-METER: ○HP 4342A ○MQ-172 2. L.C.R. METER: ○HP 4284A 3. IMPEDANCE ANALYZER: ○HP 4192A ØHP 4191A ○HP4192B 4. L-METER: ○TH 2775B 5. DIGITAL MINI-OHMMETER: ○VP2941A | | |
| | | 項 目 Item | 標準值 Standard Value | |
| | | 一處缺陷的面積 Area of a breakage | ≤1mm ² | |
| | | 總缺陷面積 All area of the breakage | ≤2mm ² | |
| | | 缺陷深度 The depth of the breakage | ≤0.4mm | |
| | | 毛刺長度 The length of burr | ≤0.2mm | |
| 測試條件: TESTING CONDITION: | | | | |
| 1. 測試儀器: Testing Equipment: | | HP 4191A | 測 試 TESTED | 復 核 CHECKED |
| 2. 測試頻率區間: Testing Frequency Range: | | 1-1000MHz | 李光赫 | 方煜镗 |
| 3. 測試綫組: Testing Coil Specification: | | Φ0.5x0.5TSx100L(mm) | | |

深圳市航宇磁电有限公司

檢驗數據

INSPECTION DATA

| | | | | | | | | | | | | |
|--|----------------------------------|---|--------------------|--------------------|---|------------|---------------------------------|----------------------|----------------------|---|---|---|
| 客戶名稱 CUSTOMER | | | | | 日期 DATE | 2025.05.12 | 數量 QUANTITY | 10PCS | | | | |
| 編號 SERIAL NO. | | | | | 形狀尺寸(單位/毫米): SHAPE & DIMENSION(unit/mm):  | | | | | | | |
| 規格 ITEM | RH 7.8x12.7x4.3 | | | | | | | | | | | |
| 線組 WINDING | Φ0.5x0.5TSx100L(mm) | | | | | | | | | | | |
| 測試頻率 TEST FREQ | Z1= 25 KHZ 25 MHZ | Z2= 100 KHZ 100 MHZ | Z3= / KHZ / MHZ | Z4= / KHZ / MHZ | | | | | | | | |
| 溫度 TEMP | ℃ | 濕度 HUMIDITY | | | % | | | | | | | |
| 項目 TEST ITEM | 電氣性能 ELECTRIC CHARACTERISTICS | | | | | | 尺寸(單位:毫米) DIMENSION(unit:mm) | | | | | |
| | Q | L(μH) (MH) | Z1(Ω) | Z2(Ω) | Z3(Ω) | Z4(Ω) | A | B | C | D | E | F |
| | | | 30 | 70 | | | 7.8 | 12.7 | 4.3 | | | |
| + | | | / | / | | | 0.2 | 0.5 | 0.3 | | | |
| - | | | 0 | 0 | | | 0.2 | 0.5 | 0 | | | |
| 1 | | | 41.6 | 101.2 | | | 7.80 | 12.70 | 4.50 | | | |
| 2 | | | 41.8 | 101.8 | | | 7.70 | 12.72 | 4.44 | | | |
| 3 | | | 41.4 | 101.4 | | | 7.90 | 12.70 | 4.48 | | | |
| 4 | | | 42.0 | 101.6 | | | 7.76 | 12.56 | 4.42 | | | |
| 5 | | | 42.2 | 102.2 | | | 7.82 | 12.63 | 4.44 | | | |
| 6 | | | 42.6 | 102.6 | | | 7.74 | 12.66 | 4.51 | | | |
| 7 | | | 42.6 | 102.2 | | | 7.78 | 12.58 | 4.53 | | | |
| 8 | | | 42.2 | 101.6 | | | 7.89 | 12.54 | 4.45 | | | |
| 9 | | | 41.4 | 101.4 | | | 7.87 | 12.69 | 4.51 | | | |
| 10 | | | 41.8 | 102.4 | | | 7.75 | 12.67 | 4.42 | | | |
| \bar{X} | | | 41.96 | 101.84 | | | 7.80 | 12.64 | 4.47 | | | |
| Y/N | | | Y | Y | | | Y | Y | Y | | | |
| 測試儀器: TEST INSTRUMENTS: HP 4191A | |  | | | | | 檢驗 INSPECTED 李光赫 | 復核 CHECKED 方煜镗 | 確認 APPROVED 梁琼 | | | |

深圳市航宇磁电有限公司

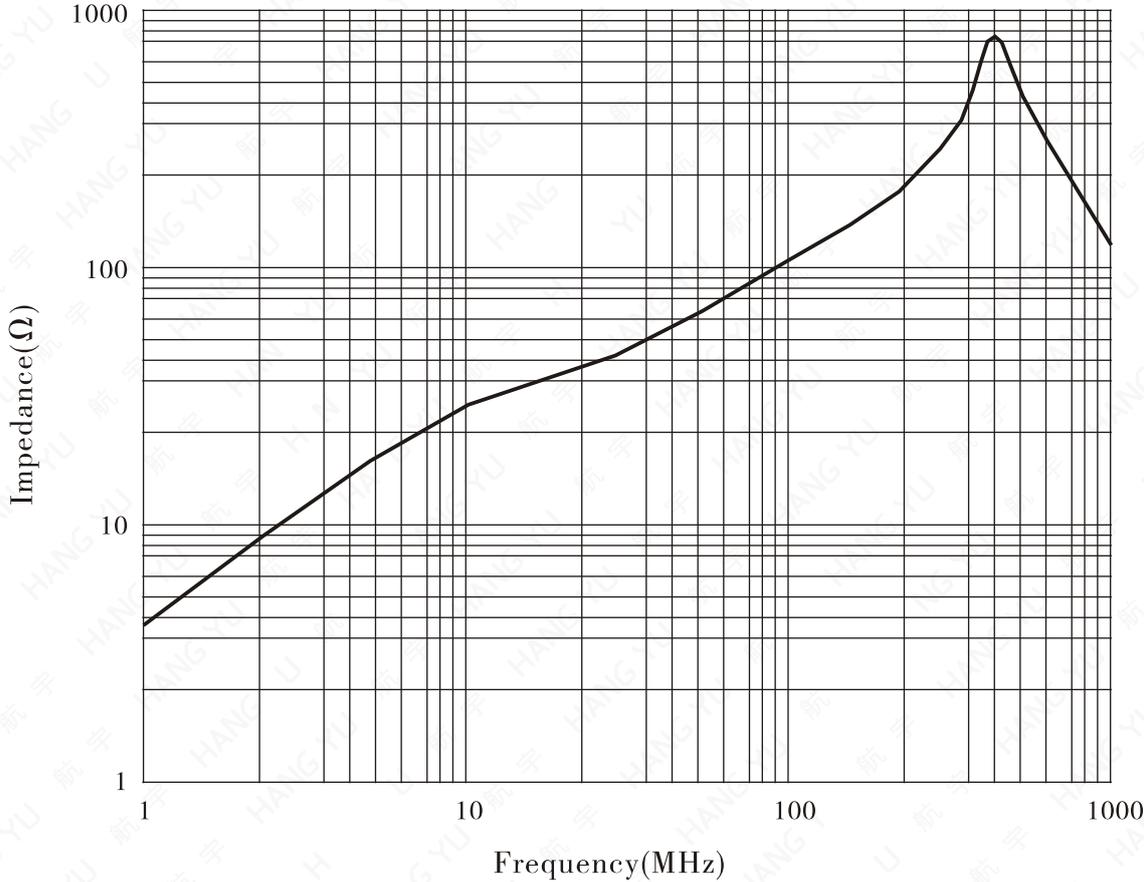
阻抗 - 頻率曲線

IMPEDANCE V.S FREQUENCY (Z-Y)

| | | | |
|------------------|-----------------|------------------|------------|
| 客戶名稱 CUSTOMER | | 日期 DATE | 2025.05.12 |
| 規格 ITEM | RH 7.8x12.7x4.3 | 編號 SERIAL NO. | |

材質特性 MATERIAL CHARACTERISTICS

| 材料牌號 Material | 初始磁導率 Initial Permeability | 比損耗因子 Relative Loss Factor | 比溫度系數 Relative Temperature Coefficient | 飽和磁通密度 Saturation Magnetic Flux Density | 剩磁 Remanence | 矯頑力 Coercivity | 居裏溫度 Curie Temperature | 電阻率 Electrical Resistivity | 使用範圍 Applied Frequency Range | 密度 Density |
|------------------|-------------------------------|-------------------------------|---|--|-----------------|-------------------|---------------------------|-------------------------------|---------------------------------|------------------------|
| Unit symbol | μ_i | $\tan \delta / \mu_i$ | $\alpha \mu_i \gamma$ | Bs (MT) | Br (MT) | HC (A/m) | Tc (°C) | ρ ($\Omega \cdot m$) | F (MHz) | d (g/cm ³) |
| | $\pm 20\%$ | $\times 10^{-6}$ | $\times 10^{-6}$ | | | | | | | |
| | | 20 (0.1MHz) | 2 - 5 | 330(1600A/m) | 150 | 35 | >110 | >10 ⁵ | 0.1-1.5 | 4.9 |



| | | | | | |
|-------|----|----|--------------|---------------|----------------|
| 客戶簽回欄 | 确认 | 审核 | 測試 TESTED | 復核 CHECKED | 確認 APPROVED |
| | | | 李光赫 | 方煜镗 | 梁琼 |

深圳市航宇磁电有限公司