

# 承認書

## SPECIFICATION FOR APPROVAL

客户名稱  
CUSTOMER

客户料号  
CUS. P/N

尺寸  
DIMENSION

CRH9.5\*19.5\*5

編號  
SERIAL NO.

NO. CF1025411426

日期  
DATE

2024年5月8日

出圖  
DRAWING

發行  
ISSUE

復核  
CHECKED

核準  
APPROVAL

趙  
利勤

李  
新义

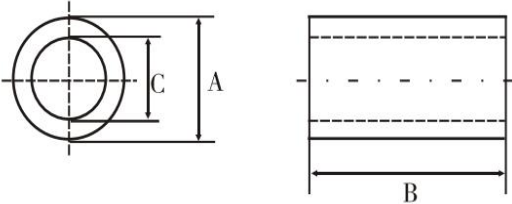
王  
传军

DATE: 2024/5/8

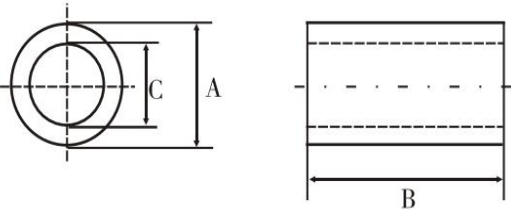
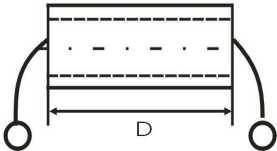
承認  
CUSTOMER APPROVAL

# 承認書

## SPECIFICATION FOR APPROVAL

|                                                                                                                                                                                                                                                                      |                        |                         |                                            |                                                                                  |                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------|--------------------------------------------|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 規格<br>ITEM                                                                                                                                                                                                                                                           | CRH9.5*19.5*5          |                         | 編號<br>SERIAL NO.                           | NO. CF1025411426                                                                 |                                                                                                                                                |
| 1. 形狀尺寸 (單位mm) ;<br>SHAPE & DIMENSION(unit/mm);<br><br>                                                                                                                             |                        |                         | A                                          | 9.50 ± 0.5                                                                       | mm                                                                                                                                             |
|                                                                                                                                                                                                                                                                      |                        |                         | B                                          | 19.50 ± 0.6                                                                      | mm                                                                                                                                             |
|                                                                                                                                                                                                                                                                      |                        |                         | C                                          | 5.00 ± 0.4                                                                       | mm                                                                                                                                             |
|                                                                                                                                                                                                                                                                      |                        |                         | D                                          |                                                                                  |                                                                                                                                                |
|                                                                                                                                                                                                                                                                      |                        |                         | E                                          |                                                                                  |                                                                                                                                                |
|                                                                                                                                                                                                                                                                      |                        |                         | F                                          |                                                                                  |                                                                                                                                                |
|                                                                                                                                                                                                                                                                      |                        |                         | G                                          |                                                                                  |                                                                                                                                                |
|                                                                                                                                                                                                                                                                      |                        |                         | 2. 電器性能檢測項目<br>ELECTTRONICAL REQUIREMENTS; |                                                                                  |                                                                                                                                                |
| <input type="checkbox"/> L                                                                                                                                                                                                                                           |                        | TEST<br>FREQ            |                                            | 測試儀器<br>TESTING INSTRUMENTS                                                      |                                                                                                                                                |
| <input type="checkbox"/> Q                                                                                                                                                                                                                                           |                        | TEST<br>FREQ            | KHZ<br>MHZ                                 | 1. Q-METER:<br><input type="checkbox"/> HP-4342A <input type="checkbox"/> MQ-172 |                                                                                                                                                |
| <input checked="" type="checkbox"/> Z                                                                                                                                                                                                                                | Z1=50 Ω MIN<br>25MHZ   | KHZ                     | Z3=                                        | KHZ<br>MHZ                                                                       | 2. LCR-METER:<br><input type="checkbox"/> TH2826                                                                                               |
|                                                                                                                                                                                                                                                                      | Z2=110 Ω MIN<br>100MHZ | KHZ                     | Z4=                                        | KHZ<br>MHZ                                                                       | 3. IMPEDANCE ANALYZER:<br><input checked="" type="checkbox"/> HP-4191A <input type="checkbox"/> Agilent 16092A <input type="checkbox"/> TH2826 |
| 溫度<br>TEMP                                                                                                                                                                                                                                                           | 25±5℃                  | 濕 度<br>HUMIDITY         | 60±8%                                      |                                                                                  |                                                                                                                                                |
| 繞 線:<br>WINDING                                                                                                                                                                                                                                                      |                        | Z: Φ 0.5*100L(mm)*0.5TS |                                            | 5. DIGITAL MINI-OHM METER:<br>VP2941A                                            |                                                                                                                                                |
| 3. 外 觀<br>THE LIMIT OF BREAKAGE:                                                                                                                                                                                                                                     |                        |                         |                                            |                                                                                  |                                                                                                                                                |
| 項 目<br>Item                                                                                                                                                                                                                                                          |                        |                         | 標準值<br>Standard Value                      |                                                                                  |                                                                                                                                                |
| 一處缺陷的面积<br>Area of a breakage                                                                                                                                                                                                                                        |                        |                         | ≤1mm <sup>2</sup>                          |                                                                                  |                                                                                                                                                |
| 总缺陷面积<br>ALL area of the breakage                                                                                                                                                                                                                                    |                        |                         | ≤2mm <sup>2</sup>                          |                                                                                  |                                                                                                                                                |
| 缺陷深度<br>The depth of the breakge                                                                                                                                                                                                                                     |                        |                         | ≤0.4mm                                     |                                                                                  |                                                                                                                                                |
| 毛刺长度<br>The length of burr                                                                                                                                                                                                                                           |                        |                         | ≤0.2mm                                     |                                                                                  |                                                                                                                                                |
| 4. 包 裝 PACKAGING:<br><br>內包裝采用泡塑盒, 外包裝采用紙箱, 每箱產品外面都蓋上标签 (包括品名、數量、批號、檢驗員)。<br>Inner packing gdopts foam plastics box, outer packing adopts carton and each carton should have a qualified label<br>outside(include the variey, quantity, batch number and inspector). |                        |                         |                                            |                                                                                  |                                                                                                                                                |

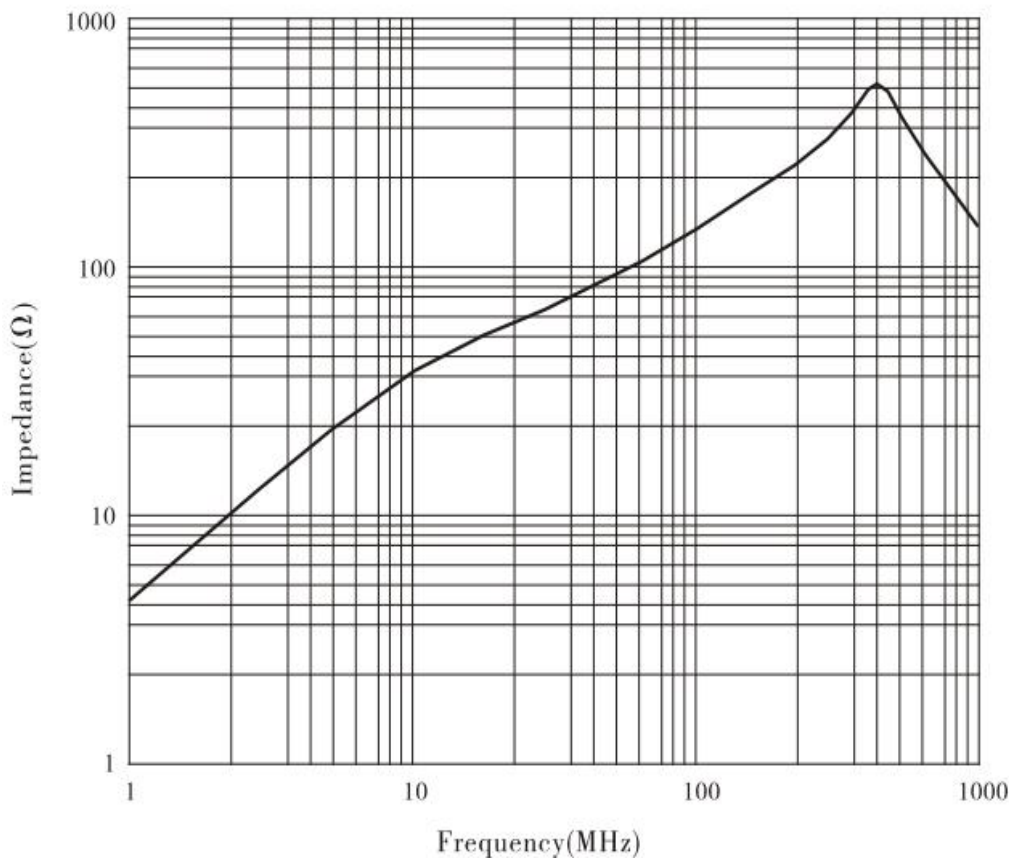
檢 測 數 據  
INSPECTION DATA

|                                                                                                                                                              |                                       |               |         |         |         |                                       |                           |                               |      |                       |   |       |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------|---------|---------|---------|---------------------------------------|---------------------------|-------------------------------|------|-----------------------|---|-------|--|
| 規 格<br>ITEM                                                                                                                                                  |                                       | CRH9.5*19.5*5 |         |         |         | 編 號<br>SERIAL NO.                     |                           | NO. CF1025411426              |      |                       |   |       |  |
| <div>1. 形狀尺寸(单位/毫米):<br/>SHAPE &amp; DIMENSION(unit:mm):</div> <div></div>   |                                       |               |         |         |         | <input type="checkbox"/> L            |                           |                               |      |                       |   |       |  |
|                                                                                                                                                              |                                       |               |         |         |         | <input type="checkbox"/> Q            |                           |                               |      | KHZ<br>MHZ            |   |       |  |
|                                                                                                                                                              |                                       |               |         |         |         | <input checked="" type="checkbox"/> Z |                           | Z1=50 Ω MIN    KHZ<br>25MHZ   |      | Z1=        KHZ<br>MHZ |   |       |  |
|                                                                                                                                                              |                                       |               |         |         |         |                                       |                           | Z2=110 Ω MIN    KHZ<br>100MHZ |      | Z4=        KHZ<br>MHZ |   |       |  |
|                                                                                                                                                              |                                       |               |         |         |         | 溫 度<br>TEMP                           |                           | 25±5℃                         |      | 濕 度<br>HUMIDITY       |   | 60±8% |  |
|                                                                                                                                                              |                                       |               |         |         |         | 绕 线:<br>WINDING                       |                           | Z: Φ 0.5*100L(mm)*0.5TS       |      |                       |   |       |  |
|                                                                                                                                                              |                                       |               |         |         |         |                                       |                           |                               |      |                       |   |       |  |
| 項 目<br>ITEM                                                                                                                                                  | 电 气 性 能<br>ELECTRONIC CHARACTERISTICS |               |         |         |         |                                       | 尺 寸<br>DIMENSION(unit:mm) |                               |      |                       |   |       |  |
|                                                                                                                                                              | Q                                     | L( μ H)       | Z1( Ω ) | Z2( Ω ) | Z3( Ω ) | Z4( Ω )                               | A                         | B                             | C    | D                     | E | F     |  |
|                                                                                                                                                              |                                       |               | 50      | 110     |         |                                       | 9.5                       | 19.5                          | 5    |                       | 0 |       |  |
| +                                                                                                                                                            |                                       |               | /       | /       |         |                                       | 0.5                       | 0.6                           | 0.4  |                       |   |       |  |
| —                                                                                                                                                            |                                       |               | 0       | 0       |         |                                       | 0.5                       | 0.6                           | 0.4  |                       |   |       |  |
| 1                                                                                                                                                            |                                       |               | 76.0    | 136.4   |         |                                       | 9.49                      | 19.56                         | 5.01 |                       |   |       |  |
| 2                                                                                                                                                            |                                       |               | 75.2    | 143.0   |         |                                       | 9.46                      | 19.52                         | 5.02 |                       |   |       |  |
| 3                                                                                                                                                            |                                       |               | 76.0    | 140.8   |         |                                       | 9.35                      | 19.58                         | 5.00 |                       |   |       |  |
| 4                                                                                                                                                            |                                       |               | 79.0    | 138.6   |         |                                       | 9.38                      | 19.75                         | 5.03 |                       |   |       |  |
| 5                                                                                                                                                            |                                       |               | 68.1    | 136.7   |         |                                       | 9.36                      | 19.50                         | 4.99 |                       |   |       |  |
| 6                                                                                                                                                            |                                       |               | 78.0    | 140.4   |         |                                       | 9.37                      | 19.77                         | 4.98 |                       |   |       |  |
| 7                                                                                                                                                            |                                       |               | 80.0    | 136.8   |         |                                       | 9.52                      | 19.54                         | 5.03 |                       |   |       |  |
| 8                                                                                                                                                            |                                       |               | 77.5    | 138.0   |         |                                       | 9.38                      | 19.60                         | 5.03 |                       |   |       |  |
| 9                                                                                                                                                            |                                       |               | 76.4    | 141.8   |         |                                       | 9.44                      | 19.64                         | 4.99 |                       |   |       |  |
| 10                                                                                                                                                           |                                       |               | 79.0    | 136.4   |         |                                       | 9.51                      | 19.71                         | 5.00 |                       |   |       |  |
| X                                                                                                                                                            |                                       |               | 76.5    | 138.9   |         |                                       | 9.43                      | 19.62                         | 5.01 |                       |   |       |  |
| Y/N                                                                                                                                                          |                                       |               | Y       | Y       |         |                                       | Y                         | Y                             | Y    |                       |   |       |  |
| <div>2. 測試儀器<br/>TESTING INSTRUMENTS<br/>HP4191A+16092A</div> <div></div> |                                       |               |         |         |         | 檢 測<br>INSPECTION                     |                           | 復 核<br>CHECK                  |      | 确 認<br>APPROVAL       |   |       |  |
|                                                                                                                                                              |                                       |               |         |         |         | <div>赵<br/>利勤</div>                   |                           | <div>李<br/>新义</div>           |      | <div>王<br/>传军</div>   |   |       |  |

# 阻抗－頻率曲綫

### IMPEDANCE V.S.FREQUENCY ( Z-Y )

|                                   |                                           |                                  |                                                 |                                                  |                       |                        |                                   |                                            |                                           |                        |
|-----------------------------------|-------------------------------------------|----------------------------------|-------------------------------------------------|--------------------------------------------------|-----------------------|------------------------|-----------------------------------|--------------------------------------------|-------------------------------------------|------------------------|
| 規 格<br>ITEM                       |                                           | CRH9. 5*19. 5*5                  |                                                 | 編 號<br>SERIAL NO.                                |                       | NO. CF1025411426       |                                   |                                            |                                           |                        |
| 材质特性：<br>MATERIAL CHARACTERISTICS |                                           |                                  |                                                 |                                                  |                       |                        |                                   |                                            |                                           |                        |
| 材料<br>牌号<br>Mate-<br>rial         | 初始磁<br>导率<br>Initial<br>Permeab<br>i-lity | 比损耗因子<br>Relative<br>Loss Facto  | 比溫度系数<br>Relative<br>Temperature<br>Coefficient | 饱和磁通密度<br>Saturation<br>Magnetic Flux<br>Density | 剩 磁<br>Reman-<br>ence | 矫顽力<br>Coercivi<br>t-y | 居里溫度<br>Curie<br>Tempera-<br>ture | 电阻率<br>Electric<br>a-l<br>Resistiv<br>i-ty | 使用范围<br>Applied<br>Frequenc<br>y<br>Range | 密度<br>Densit<br>y      |
| Unit<br>symbol                    | μ i<br>±20%                               | Tan δ / μ i<br>×10 <sup>-6</sup> | α μ i γ<br>×10 <sup>-6</sup>                    | Bs<br>(MT)                                       | Br<br>(MT)            | HC<br>(A/m)            | Tc<br>(℃)                         | ρ<br>( Ω • m                               | F<br>Mhz                                  | d<br>g/cm <sup>3</sup> |
| F2                                | 650                                       | 20(0.1MHz)                       | 2-5                                             | 330(1600A/m)                                     | 150                   | 35                     | >110                              | >10 <sup>5</sup>                           | 0.1-1.5                                   | 5                      |



|                                                                                 |                                                                                      |                                                                                       |                                                                                       |
|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 测试条件;<br>TESTING CONDITION;                                                     | 檢 測<br>INSPECTION                                                                    | 復 核<br>CHECK                                                                          | 确 認<br>APPROVAL                                                                       |
| 1. 测试仪器: HP 4191 A+16092 A<br>Testing Equipment:                                |  |  |  |
| 2. 测试频率区间: 1MHZ-1000MHZ<br>Testing Frequency Range:                             |                                                                                      |                                                                                       |                                                                                       |
| 3. 测试绕组: $\Phi 0.5 \times 100L(mm) \times 0.5TS$<br>Testing Coil Specification: |                                                                                      |                                                                                       |                                                                                       |