

# 承認書

## SPECIFICATION FOR APPROVAL

客户名稱  
CUSTOMER

客户料号  
CUS. P/N

尺 寸  
DIMENSION

CRH-16x24x9

編 號  
SERIAL NO.

NO. CF1025657118

日 期  
DATE

2024年5月6日

| 出 圖<br>DRAWING |                |                 |
|----------------|----------------|-----------------|
| 發 行<br>ISSUE   | 復 核<br>CHECKED | 核 準<br>APPROVAL |
| 趙<br>利勤        | 李<br>新义        | 王<br>传军         |
| DATE: 2024/5/6 |                |                 |

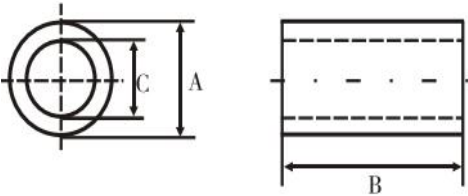
| 承 認<br>CUSTOMER APPROVAL |
|--------------------------|
|                          |

承 認 書  
SPECIFICATION FOR APPROVAL

|                                                                                                                                                                                                                                       |                               |                 |                                       |                                                                                                                                                |                  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--|
| 規 格<br>ITEM                                                                                                                                                                                                                           | CRH-16x24x9                   |                 | 編 號<br>SERIAL NO.                     |                                                                                                                                                | NO. CF1025657118 |  |
| 1. 形狀尺寸（單位mm）；<br>SHAPE & DIMENSION(unit/mm);<br><br>                                                                                                |                               |                 | A                                     | 16.00 ± 0.5                                                                                                                                    | mm               |  |
|                                                                                                                                                                                                                                       |                               |                 | B                                     | 24.00 ± 0.7                                                                                                                                    | mm               |  |
|                                                                                                                                                                                                                                       |                               |                 | C                                     | 9.00 ± 0.5                                                                                                                                     | 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=70 Ω MIN    KHZ<br>25MHZ   | Z3=             | KHZ<br>MHZ                            | 2. LCR-METER:<br><input type="checkbox"/> TH2826                                                                                               |                  |  |
|                                                                                                                                                                                                                                       | Z2=150 Ω MIN    KHZ<br>100MHZ | 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%                                 | 4. L-METER:<br><input type="checkbox"/> TH-2775B                                                                                               |                  |  |
| 繞 線:<br>WINDING                                                                                                                                                                                                                       | Z: Φ 0.5*100L(mm)*0.5TS       |                 | 5. DIGITAL MINI-OHM METER:<br>VP2941A |                                                                                                                                                |                  |  |
| 3. 外 观<br>THE LIMIT OF BREAKACE:                                                                                                                                                                                                      |                               |                 |                                       |                                                                                                                                                |                  |  |
| 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:                                                                                                                                                                                                                     |                               |                 |                                       |                                                                                                                                                |                  |  |
| 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). |                               |                 |                                       |                                                                                                                                                |                  |  |

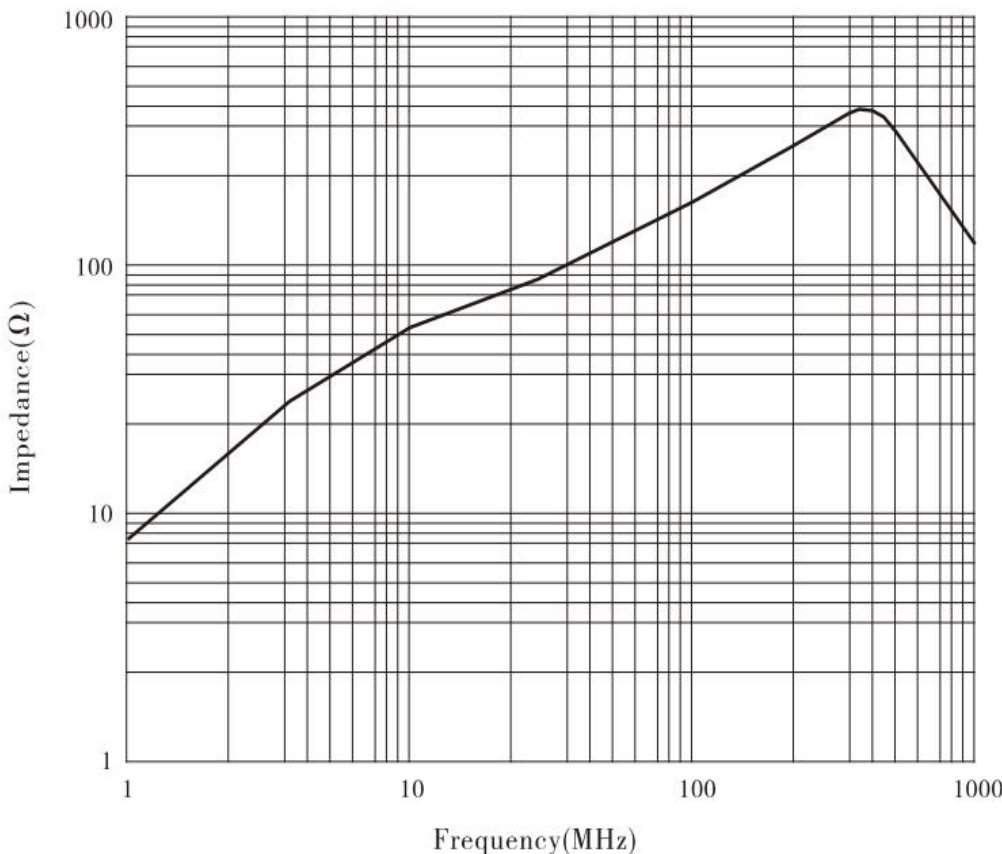
檢 測 數 據

INSPECTION DATA

|                                                                                                                                                               |                                       |             |         |         |         |                                       |                           |                               |      |                       |   |       |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------|---------|---------|---------|---------------------------------------|---------------------------|-------------------------------|------|-----------------------|---|-------|--|
| 規 格<br>ITEM                                                                                                                                                   |                                       | CRH-16x24x9 |         |         |         | 編 號<br>SERIAL NO.                     |                           | NO. CF1025657118              |      |                       |   |       |  |
| <div>1. 形壯尺寸(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=70 Ω MIN    KHZ<br>25MHZ   |      | Z1=        KHZ<br>MHZ |   |       |  |
|                                                                                                                                                               |                                       |             |         |         |         |                                       |                           | Z2=150 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     |  |
|                                                                                                                                                               |                                       |             | 70      | 150     |         |                                       | 16                        | 24                            | 9    |                       |   |       |  |
| +                                                                                                                                                             |                                       |             | /       | /       |         |                                       | 0.5                       | 0.7                           | 0.5  |                       |   |       |  |
| —                                                                                                                                                             |                                       |             | 0       | 0       |         |                                       | 0.5                       | 0.7                           | 0.5  |                       |   |       |  |
| 1                                                                                                                                                             |                                       |             | 107.1   | 204.0   |         |                                       | 15.98                     | 24.07                         | 9.02 |                       |   |       |  |
| 2                                                                                                                                                             |                                       |             | 106.0   | 204.0   |         |                                       | 15.94                     | 24.02                         | 9.03 |                       |   |       |  |
| 3                                                                                                                                                             |                                       |             | 106.9   | 201.0   |         |                                       | 16.03                     | 24.10                         | 9.01 |                       |   |       |  |
| 4                                                                                                                                                             |                                       |             | 104.7   | 208.5   |         |                                       | 15.97                     | 24.31                         | 9.05 |                       |   |       |  |
| 5                                                                                                                                                             |                                       |             | 107.2   | 198.0   |         |                                       | 15.94                     | 24.00                         | 8.99 |                       |   |       |  |
| 6                                                                                                                                                             |                                       |             | 104.9   | 202.8   |         |                                       | 16.06                     | 24.34                         | 8.97 |                       |   |       |  |
| 7                                                                                                                                                             |                                       |             | 106.1   | 198.4   |         |                                       | 16.03                     | 24.05                         | 9.05 |                       |   |       |  |
| 8                                                                                                                                                             |                                       |             | 109.2   | 197.6   |         |                                       | 16.06                     | 24.12                         | 9.05 |                       |   |       |  |
| 9                                                                                                                                                             |                                       |             | 108.5   | 214.8   |         |                                       | 16.03                     | 24.17                         | 8.99 |                       |   |       |  |
| 10                                                                                                                                                            |                                       |             | 107.1   | 216.0   |         |                                       | 16.02                     | 24.26                         | 9.00 |                       |   |       |  |
| X                                                                                                                                                             |                                       |             | 106.8   | 204.5   |         |                                       | 16.01                     | 24.14                         | 9.01 |                       |   |       |  |
| Y/N                                                                                                                                                           |                                       |             | Y       | Y       |         |                                       | Y                         | Y                             | Y    |                       |   |       |  |
| <div>2. 測試儀器<br/>TESTING INSTRUMENTS<br/>HP4191A</div> <div></div>         |                                       |             |         |         |         | 檢 測<br>INSPECTION                     |                           | 復 核<br>CHECK                  |      | 確 認<br>APPROVAL       |   |       |  |
|                                                                                                                                                               |                                       |             |         |         |         | <div>趙<br/>利勤</div>                   |                           | <div>李<br/>新义</div>           |      | <div>王<br/>传军</div>   |   |       |  |

阻抗 - 频率曲线

IMPEDANCE V.S.FREQUENCY ( Z-Y )

|                                                                                                |                                           |                                      |                                                 |                                                  |                                                                                                 |                        |                                                                                                  |                                            |                                                                                                  |                        |
|------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------------|-------------------------------------------------|--------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------|
| 規 格<br>ITEM                                                                                    |                                           | CRH-16x24x9                          |                                                 |                                                  | 編 號<br>SERIAL NO.                                                                               |                        | NO. CF1025657118                                                                                 |                                            |                                                                                                  |                        |
| 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>ility | 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>ty | 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                                                                                 | $\mu$ i<br>±20%                           | Tan δ / $\mu$ i<br>×10 <sup>-6</sup> | $\alpha$ $\mu$ i $\gamma$<br>×10 <sup>-6</sup>  | Bs<br>(MT)                                       | Br<br>(MT)                                                                                      | HC<br>(A/m)            | Tc<br>(℃)                                                                                        | $\rho$<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                      |
| <div></div> |                                           |                                      |                                                 |                                                  |                                                                                                 |                        |                                                                                                  |                                            |                                                                                                  |                        |
| 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<br>Testing Equipment:                                                       |                                           |                                      |                                                 |                                                  | <div></div> |                        | <div></div> |                                            | <div></div> |                        |
| 2. 测试频率区间： 1MHZ-1000MHZ<br>Testing Frequency Range:                                            |                                           |                                      |                                                 |                                                  |                                                                                                 |                        |                                                                                                  |                                            |                                                                                                  |                        |
| 3. 测试绕组： Φ0.5*100L(mm)*0.5TS<br>Testing Coil Specification:                                    |                                           |                                      |                                                 |                                                  |                                                                                                 |                        |                                                                                                  |                                            |                                                                                                  |                        |