

# 承認書

## SPECIFICATION FOR APPROVAL

客户名稱  
CUSTOMER

客户料号  
CUS. P/N

尺寸  
DIMENSION

CRH-14.2x28.5x4.5

編號  
SERIAL NO.

NO. CF1025657129

日期  
DATE

2024年5月6日

出圖  
DRAWING

發行  
ISSUE

復核  
CHECKED

核準  
APPROVAL

趙  
利勤

李  
新义

王  
传军

DATE: 2024/5/6

承認  
CUSTOMER APPROVAL

承 認 書

SPECIFICATION FOR APPROVAL

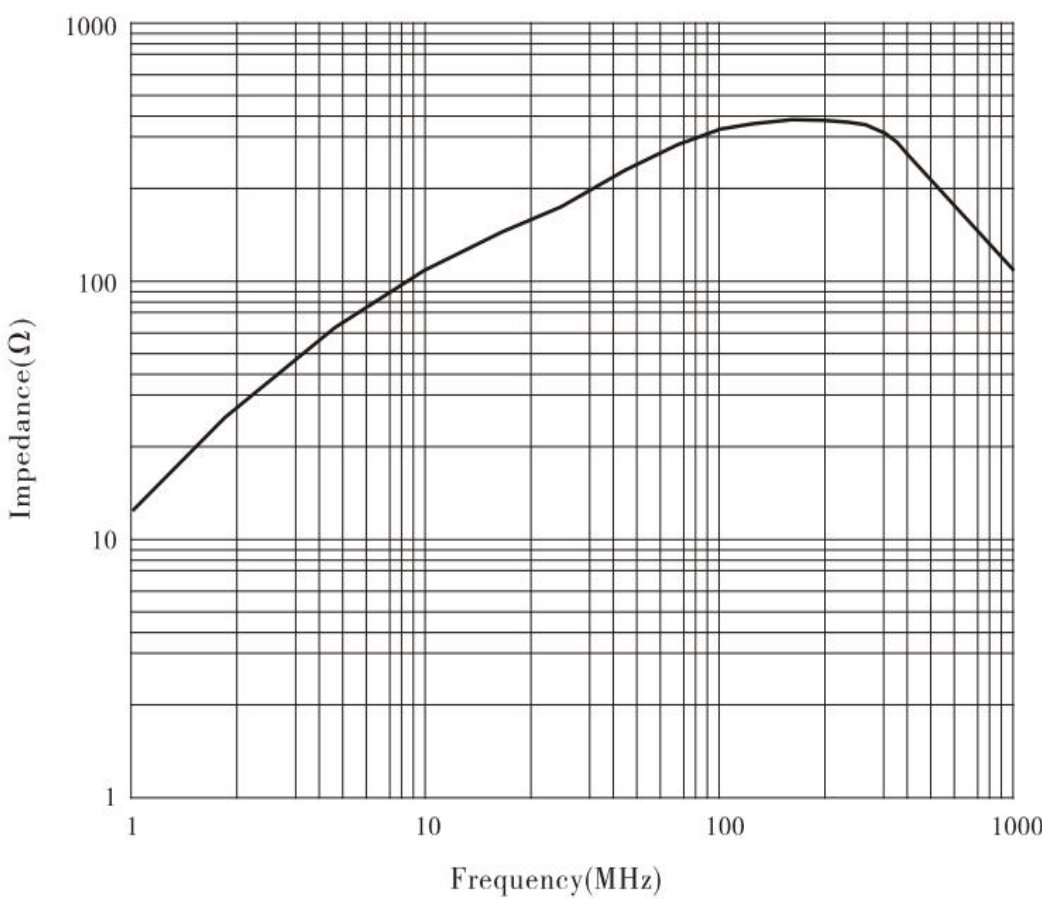
|                                                                                                                                                                                                                                       |                         |                 |                       |                                                                                  |                                                                                                                                                |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------|-----------------------|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 規 格<br>ITEM                                                                                                                                                                                                                           | CRH-14.2x28.5x4.5       |                 | 編 號<br>SERIAL NO.     |                                                                                  | NO. CF1025657129                                                                                                                               |  |
| 1. 形狀尺寸（單位mm）；<br>SHAPE & DIMENSION(unit/mm);<br><br>                                                                                                |                         |                 | A                     | 14.20 ± 0.5                                                                      | mm                                                                                                                                             |  |
|                                                                                                                                                                                                                                       |                         |                 | B                     | 28.50 ± 0.7                                                                      | mm                                                                                                                                             |  |
|                                                                                                                                                                                                                                       |                         |                 | C                     | 4.50 ± 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=150 Ω MIN<br>25MHZ   | KHZ             | Z3=                   | KHZ<br>MHZ                                                                       | 2. LCR-METER:<br><input type="checkbox"/> TH2826                                                                                               |  |
|                                                                                                                                                                                                                                       | Z2=260 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%                 | 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 BREAKAGE:                                                                                                                                                                                                      |                         |                 |                       |                                                                                  |                                                                                                                                                |  |
| 項 目<br>Item                                                                                                                                                                                                                           |                         |                 | 標準值<br>Standard Value |                                                                                  |                                                                                                                                                |  |
| 一处缺陷的面积<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-14.2x28.5x4.5 |         |         |         | 編 號<br>SERIAL NO.                     |                           | NO. CF1025657129              |      |                           |   |       |  |
| <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=150 Ω MIN    KHZ<br>25MHZ  |      | Z1=            KHZ<br>MHZ |   |       |  |
|                                                                                                                                                               |                                       |                   |         |         |         |                                       |                           | Z2=260 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     |  |
|                                                                                                                                                               |                                       |                   | 150     | 260     |         |                                       | 14.2                      | 28.5                          | 4.5  |                           |   |       |  |
| +                                                                                                                                                             |                                       |                   | /       | /       |         |                                       | 0.5                       | 0.7                           | 0.5  |                           |   |       |  |
| —                                                                                                                                                             |                                       |                   | 0       | 0       |         |                                       | 0.5                       | 0.7                           | 0.5  |                           |   |       |  |
| 1                                                                                                                                                             |                                       |                   | 199.5   | 353.6   |         |                                       | 14.19                     | 28.59                         | 4.51 |                           |   |       |  |
| 2                                                                                                                                                             |                                       |                   | 197.5   | 351.0   |         |                                       | 14.14                     | 28.53                         | 4.51 |                           |   |       |  |
| 3                                                                                                                                                             |                                       |                   | 199.1   | 348.4   |         |                                       | 14.23                     | 28.61                         | 4.50 |                           |   |       |  |
| 4                                                                                                                                                             |                                       |                   | 194.9   | 361.4   |         |                                       | 14.17                     | 28.87                         | 4.52 |                           |   |       |  |
| 5                                                                                                                                                             |                                       |                   | 199.7   | 343.2   |         |                                       | 14.14                     | 28.50                         | 4.50 |                           |   |       |  |
| 6                                                                                                                                                             |                                       |                   | 195.3   | 344.0   |         |                                       | 14.26                     | 28.90                         | 4.49 |                           |   |       |  |
| 7                                                                                                                                                             |                                       |                   | 197.7   | 343.9   |         |                                       | 14.23                     | 28.56                         | 4.52 |                           |   |       |  |
| 8                                                                                                                                                             |                                       |                   | 234.0   | 342.5   |         |                                       | 14.26                     | 28.64                         | 4.52 |                           |   |       |  |
| 9                                                                                                                                                             |                                       |                   | 202.0   | 360.7   |         |                                       | 14.23                     | 28.70                         | 4.50 |                           |   |       |  |
| 10                                                                                                                                                            |                                       |                   | 199.5   | 367.2   |         |                                       | 14.21                     | 28.81                         | 4.50 |                           |   |       |  |
| X                                                                                                                                                             |                                       |                   | 201.9   | 351.6   |         |                                       | 14.21                     | 28.67                         | 4.51 |                           |   |       |  |
| 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-14. 2x28. 5x4. 5                      |                                                 |                                                  | 編 號<br>SERIAL NO.                                                                               |                         | NO. CF1025657129                                                                                 |                                             |                                                                                                  |                        |
| 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                                                                                                                                                                         | $\mu i$<br>$\pm 20\%$                      | $\tan \delta / \mu i$<br>$\times 10^{-6}$ | $\alpha \mu i \gamma$<br>$\times 10^{-6}$       | Bs<br>(MT)                                       | Br<br>(MT)                                                                                      | HC<br>(A/m)             | Tc<br>(℃)                                                                                        | $\rho$<br>( $\Omega \cdot m$ )              | 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><div>Impedance(<math>\Omega</math>)</div><div></div><div>Frequency(MHz)</div></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:                                                                                                                            |                                            |                                           |                                                 |                                                  |                                                                                                 |                         |                                                                                                  |                                             |                                                                                                  |                        |