



ISO9001-2015  
Certificate No:672022020207194

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

# 承認書

## SPECIFICATION FOR APPROVAL

客户名稱  
CUSTOMER

品名規格  
DESCRIPTION FN120 SCRC 200

客户料號  
CUS. P/N

提出日期  
DATE 2025.05.12

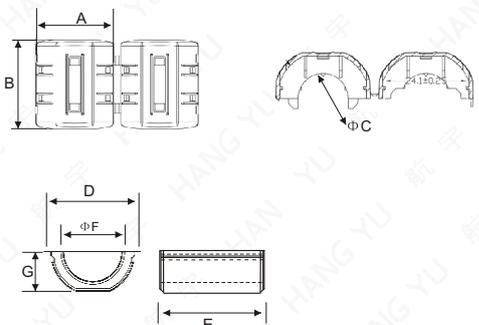
| 出圖<br>RDAWING |               |                |
|---------------|---------------|----------------|
| 發行<br>MADE    | 復核<br>CHECKED | 確認<br>APPROVED |
| 李光赫           | 方煜镗           | 梁琼             |
| 销售部：张 丽       |               |                |

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



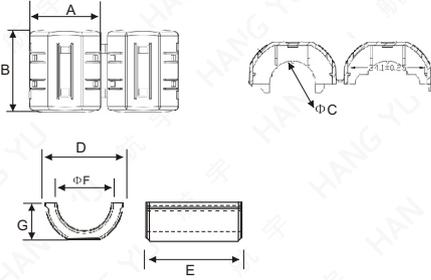
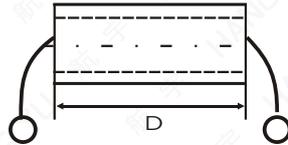
# 承 認 書

## SPECIFICATION FOR APPROVAL

|   |                                  |   |   |  |                                   |                                  |                        |      |
|---|----------------------------------|---|---|--|-----------------------------------|----------------------------------|------------------------|------|
| 客户名稱<br>CUSTOMER  |                                  | 日期<br>DATE                                  | 2025.05.12                                      |  |                                   |                                  |                        |      |
| 規 格<br>ITEM   | FN120 SCRC 200                   | 編 號<br>SERIAL NO.                           |   |  |                                   |                                  |                        |      |
| 1. 形狀尺寸(單位/毫米):<br>SHAPE & DIMENSION(unit/mm):<br> |                                  | A   | 40.2 ± 0.25 mm                                  |  |                                   |                                  |                        |      |
|   |                                  | B   | 46.55 ± 0.25 mm                                 |  |                                   |                                  |                        |      |
|   |                                  | C   | 21.3 ± 0.25 mm                                  |  |                                   |                                  |                        |      |
|   |                                  | D   | 35 ± 1.5 mm                                     |  |                                   |                                  |                        |      |
|   |                                  | E   | 41 ± 1.5 mm                                     |  |                                   |                                  |                        |      |
|   |                                  | F   | 20 ± 0.8 mm                                     |  |                                   |                                  |                        |      |
|   |                                  | G   | 17.8 ± 0.2 mm                                   |  |                                   |                                  |                        |      |
|   |                                  | H   |   |  |                                   |                                  |                        |      |
| 2. 電氣性能檢測項目:<br>ELECTRICAL REQUIREMENTS:  |                                  | 測試儀器<br>TEST INSTRUMENTS                    |   |  |                                   |                                  |                        |      |
| <input type="checkbox"/> L  |                                  | TEST FREQ                                   | KHZ<br>MHZ                                      |  |                                   |                                  |                        |      |
| <input type="checkbox"/> Q  |                                  | TEST FREQ                                   | KHZ<br>MHZ                                      |  |                                   |                                  |                        |      |
| <input checked="" type="checkbox"/> Z   | Z1=125Ω MIN                      | KHZ<br>25 MHZ                               | Z2=250Ω MIN                                     |  |                                   |                                  |                        |      |
|   | Z3= /                            | KHZ<br>MHZ                                  | Z4= /   |  |                                   |                                  |                        |      |
| 溫度<br>TEMP  | ℃                                | 濕 度<br>HUMIDITY                             | %   |  |                                   |                                  |                        |      |
| 綫 組<br>WINDING  | Φ0.5x0.5TSx165L(mm)              |   |   |  |                                   |                                  |                        |      |
| 3. 外觀標準：依下表對照檢索：<br>THE LIMIT OF BREAKAGE: CHECKED BELOW:   |                                  |   |   |  |                                   |                                  |                        |      |
| OD<br>(mm)  | 0~5                              | 5.1~10                                      | 10.1~15   | 15.1~20  | 20.1~25                           | 25.1~30                          | 30.1~35                | 35以上 |
| 缺陷面积<br>Defect area<br>(mm <sup>2</sup> )   | ≦1                               | ≦2  | ≦3  | ≦4   | ≦5                                | ≦6                               | ≦7                     | ≦8   |
| 缺陷个数<br>Number of<br>defects<br>(≦)   | 1                                | 2   | 3   | 3  | 3                                 | 3                                | 2                      | 2    |
| 4. 材質特性 MATERIAL CHARACTERISTICS  |                                  |   |   |  |                                   |                                  |                        |      |
| 材料<br>牌號<br>Mate-<br>rial   | 初始磁導率<br>Initial<br>Permeability | 比損耗因子<br>Relative<br>Loss Factor            | 比溫度系數<br>Relative<br>Temperature<br>Coefficient | 飽和磁通密度<br>Saturation<br>Magnetic Flux<br>Density | 居裏溫度<br>Curie<br>Tempera-<br>ture | 電阻率<br>Electrical<br>Resistivity | 密度<br>Density          |      |
| Unit<br>symbol  | μ <sub>i</sub><br>±20%           | Tan δ / μ <sub>i</sub><br>×10 <sup>-6</sup> | α μ <sub>i</sub> γ<br>×10 <sup>-6</sup>         | B <sub>s</sub><br>(MT)                           | T <sub>c</sub><br>(°C)            | ρ<br>(Ω · m)                     | d<br>g/cm <sup>3</sup> |      |
| FN120   | 1200                             | ≦18   | 13  | 360(1.6KA/m)                                     | >160                              | >10 <sup>6</sup>                 | 5.1                    |      |

# 檢驗數據

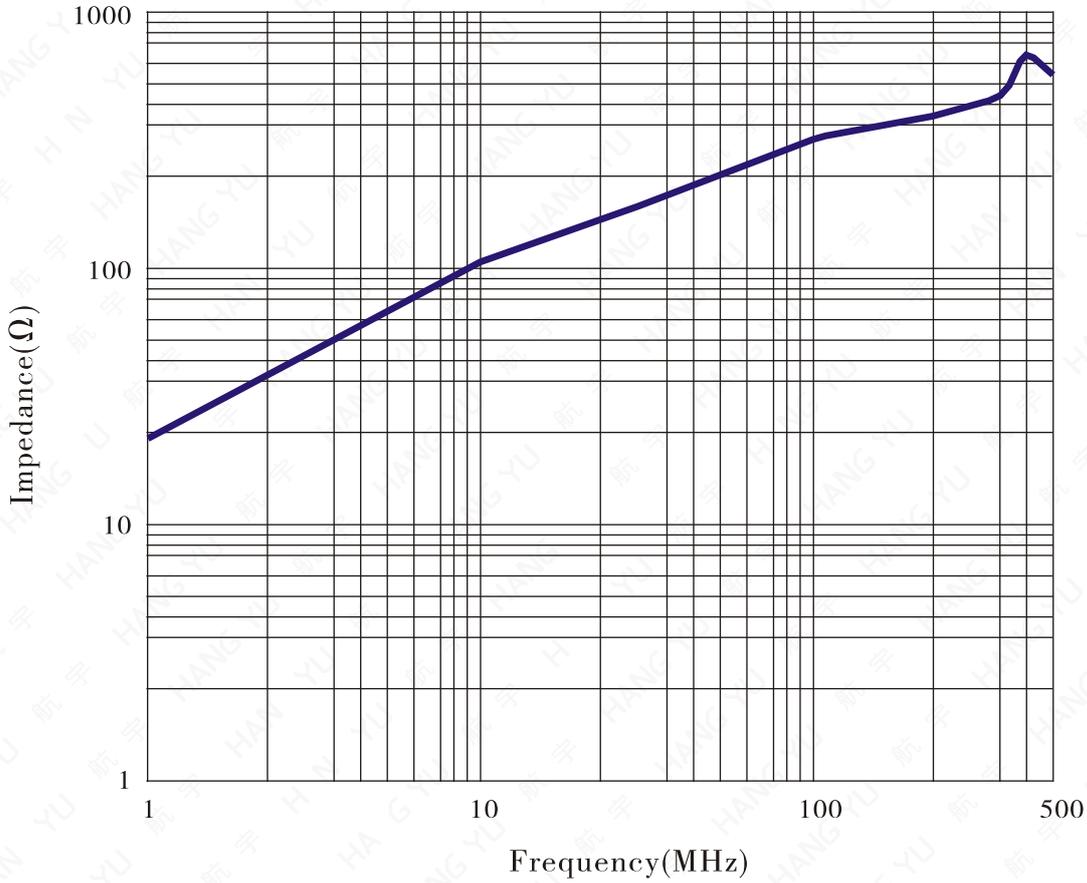
## INSPECTION DATA

|   |                                  |   |       |                        |                                 |                      |      |                      |       |  |      |            |  |             |  |
|---|----------------------------------|---|-------|------------------------|---------------------------------|----------------------|------|----------------------|-------|--|------|------------|--|-------------|--|
| 客戶名稱<br>CUSTOMER                            |                                  | 日期<br>DATE  |       | 2025.05.12             |                                 | 數量<br>QUANTITY       |      | 5PCS                 |       |  |      |            |  |             |  |
| 編號<br>SERIAL NO.                            |                                  | 規格<br>ITEM  |       | FN120 SCRC 200         |                                 | 綫組<br>WINDING        |      | Φ0.5x0.5TSx165L(mm)  |       | 1. 形狀尺寸(單位/毫米):<br>SHAPE & DIMENSION(unit/mm):<br> |      |            |  |             |  |
| 測試頻率<br>TEST FREQ                           |                                  |   |       |                        |                                 |                      |      |                      |       |  |      | Z1= 25 MHZ |  | Z2= 100 MHZ |  |
|   |                                  |   |       |                        |                                 |                      |      |                      |       |  |      | Z3= / MHZ  |  | Z4= / MHZ   |  |
| 溫度<br>TEMP                                  |                                  | ℃   |       | 濕度<br>HUMIDITY         |                                 | %                    |      |                      |       |  |      |            |  |             |  |
| 項目<br>TEST ITEM                             | 電氣性能<br>ELECTRIC CHARACTERISTICS |   |       |                        | 尺寸(單位:毫米)<br>DIMENSION(unit:mm) |                      |      |                      |       |  |      |            |  |             |  |
|   | Z1(Ω)                            | Z2(Ω)   | Z3(Ω) | Z4(Ω)                  | A                               | B                    | C    | D                    | E     | F  | G    | H          |  |             |  |
|   | 125                              | 250   |       |                        | 40.2                            | 46.55                | 21.3 | 35                   | 41    | 20   | 17.8 |            |  |             |  |
| +   | /                                | /   |       |                        | 0.25                            | 0.25                 | 0.25 | 1.5                  | 1.5   | 0.8  | 0.2  |            |  |             |  |
| -   | 0                                | 0   |       |                        | 0.25                            | 0.25                 | 0.25 | 1.5                  | 1.5   | 0.8  | 0.2  |            |  |             |  |
| 1   | 188.2                            | 277.6   |       |                        |                                 |                      |      | 35.20                | 40.74 | 20.20  |      |            |  |             |  |
| 2   | 181.5                            | 276.5   |       |                        |                                 |                      |      | 35.05                | 40.79 | 20.12  |      |            |  |             |  |
| 3   | 182.6                            | 275.4   |       |                        |                                 |                      |      | 35.10                | 40.75 | 20.00  |      |            |  |             |  |
| 4   | 182.4                            | 275.2   |       |                        |                                 |                      |      | 35.11                | 40.77 | 20.18  |      |            |  |             |  |
| 5   | 183.4                            | 275.6   |       |                        |                                 |                      |      | 35.12                | 40.76 | 20.21  |      |            |  |             |  |
| 6   | 184.2                            | 276.9   |       |                        |                                 |                      |      | 35.13                | 40.75 | 20.22  |      |            |  |             |  |
| 7   | 181.4                            | 276.8   |       |                        |                                 |                      |      | 35.05                | 40.80 | 20.16  |      |            |  |             |  |
| 8   | 181.5                            | 277.2   |       |                        |                                 |                      |      | 35.06                | 40.75 | 20.19  |      |            |  |             |  |
| 9   | 184.6                            | 275.1   |       |                        |                                 |                      |      | 35.19                | 40.76 | 20.14  |      |            |  |             |  |
| 10  | 182.5                            | 274.1   |       |                        |                                 |                      |      | 35.18                | 40.82 | 20.11  |      |            |  |             |  |
| $\bar{X}$                                   | 183.23                           | 276.04  |       |                        |                                 |                      |      | 35.12                | 40.77 | 20.15  |      |            |  |             |  |
| Y/N   | Y                                | Y   |       |                        |                                 |                      |      | Y                    | Y     | Y  |      |            |  |             |  |
| 測試儀器:<br>TEST INSTRUMENTS:<br>E4991A+16194A |                                  |  |       | 檢驗<br>INSPECTED<br>李光赫 |                                 | 復核<br>CHECKED<br>方煜镗 |      | 確認<br>APPROVED<br>梁琼 |       |  |      |            |  |             |  |

# 阻抗 - 頻率曲綫

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

|                  |                |                  |            |
|------------------|----------------|------------------|------------|
| 客戶名稱<br>CUSTOMER |                | 日期<br>DATE       | 2025.05.12 |
| 規格<br>ITEM       | FN120 SCRC 200 | 編號<br>SERIAL NO. |            |



**測試條件:**  
TESTING CONDITION:

1. 測試儀器: E4991A+16194A  
Testing Equipment:
2. 測試頻率區間: 1-500MHz  
Testing Frequency Range:
3. 測試綫組: Φ0.5x0.5TSx165L(mm)  
Testing Coil Specification:

**說明Note:**

本承認書在客戶收到7天之內，須簽章返回，逾期視爲默認。

The Specification Approval is required to be sent back to the supplier with customer's chop or signature on it within 4 days after receiving it, or we will take it as approved by customer automatically.

| 測試<br>TESTED | 復核<br>CHECKED | 確認<br>APPROVED |
|--------------|---------------|----------------|
| 李光赫          | 方煜镗           | 梁琼             |