



ISO9001-2015  
Certificate No.672Q22020207194



No.T52210311961TC Date;OCT 12,2022 No.T52310270397TC Date;apr 15,2023  
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# 承認書

## SPECIFICATION FOR APPROVAL

客户名稱  
CUSTOMER

品名規格  
DESCRIPTION SCRC70B-Grey

客户料號  
CUS. P/N

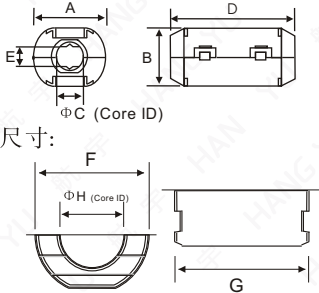
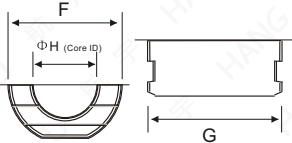
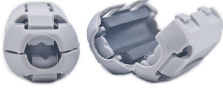
提出日期  
DATE 2025.05.12

| 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        |                |                 |

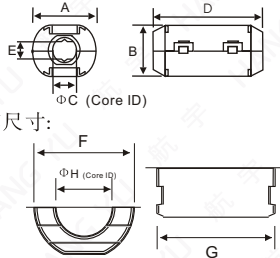
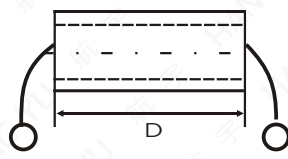
| 承 認<br>CUSTOMER APPROVE |
|-------------------------|
|                         |

承 認 書

SPECIFICATION FOR APPROVAL

|                                                                                                                                                                                                                                              |                                  |                                                                                                                |                                                 |                                                  |                        |                   |                                    |                                  |               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------|------------------------|-------------------|------------------------------------|----------------------------------|---------------|
| 客户名稱<br>CUSTOMER                                                                                                                                                                                                                             |                                  | 日 期<br>DATE                                                                                                    | 2025.5.12                                       |                                                  |                        |                   |                                    |                                  |               |
| 規 格<br>ITEM                                                                                                                                                                                                                                  | SCRC70B-Grey                     | 編 號<br>SERIAL NO.                                                                                              |                                                 |                                                  |                        |                   |                                    |                                  |               |
| 1.1. 形狀尺寸(單位/毫米):<br>SHAPE & DIMENSION(unit/mm):<br>外殼尺寸:<br><br>磁芯尺寸:<br> |                                  | 1.2. 實物圖:<br>The Sample::<br> |                                                 |                                                  |                        |                   |                                    |                                  |               |
|                                                                                                                                                                                                                                              |                                  | A                                                                                                              | 16.5 ± 1.0 mm                                   |                                                  |                        |                   |                                    |                                  |               |
|                                                                                                                                                                                                                                              |                                  | B                                                                                                              | 14.0 ± 1.0 mm                                   |                                                  |                        |                   |                                    |                                  |               |
|                                                                                                                                                                                                                                              |                                  | C                                                                                                              | 7.0 ± 0.8 mm                                    |                                                  |                        |                   |                                    |                                  |               |
|                                                                                                                                                                                                                                              |                                  | D                                                                                                              | 30.0 ± 1.0 mm                                   |                                                  |                        |                   |                                    |                                  |               |
|                                                                                                                                                                                                                                              |                                  | E                                                                                                              | 2.5 ± 1.0 mm                                    |                                                  |                        |                   |                                    |                                  |               |
|                                                                                                                                                                                                                                              |                                  | F                                                                                                              | 13 ± 0.5 mm                                     |                                                  |                        |                   |                                    |                                  |               |
|                                                                                                                                                                                                                                              |                                  | G                                                                                                              | 23 ± 0.6 mm                                     |                                                  |                        |                   |                                    |                                  |               |
|                                                                                                                                                                                                                                              |                                  | H                                                                                                              | 7.0 ± 0.5 mm                                    |                                                  |                        |                   |                                    |                                  |               |
| 2. 電氣性能檢測項目:<br>ELECTRICAL REQUIREMENTS:                                                                                                                                                                                                     |                                  | 測試儀器<br>TEST INSTRUMENTS                                                                                       |                                                 |                                                  |                        |                   |                                    |                                  |               |
| <input type="checkbox"/> L                                                                                                                                                                                                                   |                                  | TEST<br>FREQ                                                                                                   | KHZ<br>MHZ                                      |                                                  |                        |                   |                                    |                                  |               |
| <input type="checkbox"/> Q                                                                                                                                                                                                                   |                                  | TEST<br>FREQ                                                                                                   | KHZ<br>MHZ                                      |                                                  |                        |                   |                                    |                                  |               |
| <input checked="" type="checkbox"/> Z                                                                                                                                                                                                        | Z1=65Ω MIN<br>25MHZ              | Z2= 150 Ω MIN<br>100MHZ                                                                                        |                                                 |                                                  |                        |                   |                                    |                                  |               |
|                                                                                                                                                                                                                                              | Z3= / KHZ<br>MHZ                 | Z4= / KHZ<br>MHZ                                                                                               |                                                 |                                                  |                        |                   |                                    |                                  |               |
| 溫度<br>TEMP                                                                                                                                                                                                                                   | ℃                                | 濕 度<br>HUMIDITY                                                                                                | %                                               |                                                  |                        |                   |                                    |                                  |               |
| 綫 組<br>WINDING Φ0.5x0.5TSx100L(mm)                                                                                                                                                                                                           |                                  |                                                                                                                |                                                 |                                                  |                        |                   |                                    |                                  |               |
| 5. 測試儀器<br>TEST INSTRUMENTS                                                                                                                                                                                                                  |                                  |                                                                                                                |                                                 |                                                  |                        |                   |                                    |                                  |               |
| 1. Q-METER:<br>○ HP 4342A ○ MQ-172                                                                                                                                                                                                           |                                  |                                                                                                                |                                                 |                                                  |                        |                   |                                    |                                  |               |
| 2. L.C.R. METER:<br>○ HP 4284A                                                                                                                                                                                                               |                                  |                                                                                                                |                                                 |                                                  |                        |                   |                                    |                                  |               |
| 3. IMPEDANCE ANALYZER:<br>○ HP 4396B ○ HP 4191A ○ E4991A<br>○ Agilent 16194A-TESTFIXTURE                                                                                                                                                     |                                  |                                                                                                                |                                                 |                                                  |                        |                   |                                    |                                  |               |
| 4. L-METER:<br>○ TH 2817A                                                                                                                                                                                                                    |                                  |                                                                                                                |                                                 |                                                  |                        |                   |                                    |                                  |               |
| 5. DIGITAL MINI-OHM METER:<br>○ VP2941A                                                                                                                                                                                                      |                                  |                                                                                                                |                                                 |                                                  |                        |                   |                                    |                                  |               |
| 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>(mm²)                                                                                                                                                                                                                 | ≦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 | 剩 磁<br>Reman-<br>-ence | 矯頑力<br>Coercivity | 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> %<br>×10 <sup>-6</sup>         | B <sub>s</sub><br>(MT)                           | Br<br>(MT)             | HC<br>(A/m)       | Tc<br>(°C)                         | ρ<br>(Ω · m)                     | d<br>g/cm³    |
|                                                                                                                                                                                                                                              |                                  | 16 (0.1MHz)                                                                                                    | 5 - 10                                          | 280(1600A/m)                                     | 200                    | 20                | >130                               | >10 <sup>5</sup>                 | 4.6           |

檢驗數據  
INSPECTION DATA

|                                                 |                                  |                                                                                                                           |       |                                                                                                                                                                                                             |                                                                                     |       |                |       |                 |       |       |      |
|-------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|----------------|-------|-----------------|-------|-------|------|
| 客戶名稱<br>CUSTOMER                                |                                  |                                                                                                                           |       | 日期<br>DATE                                                                                                                                                                                                  | 2025.5.12                                                                           |       | 數量<br>QUANTITY |       | 5PCS            |       |       |      |
| 編號<br>SERIAL NO.                                |                                  |                                                                                                                           |       | <div>形狀尺寸(單位:毫米):<br/>SHAPE &amp; DIMENSION(unit:mm):</div> <div>實物圖:<br/>The Sample::</div> <div></div> <div>磁芯尺寸:</div> |                                                                                     |       |                |       |                 |       |       |      |
| 規格<br>ITEM                                      |                                  | SCRC70B-Grey                                                                                                              |       |                                                                                                                                                                                                             |                                                                                     |       |                |       |                 |       |       |      |
| 綫組<br>WINDING                                   |                                  | Φ0.5x0.5TSx100L(mm)                                                                                                       |       |                                                                                                                                                                                                             |                                                                                     |       |                |       |                 |       |       |      |
| 測試頻率<br>TEST FREQ                               |                                  | Z1= <div>KHZ<br/>25MHZ</div><br>Z2= <div>KHZ<br/>100MHZ</div><br>Z3= <div>KHZ<br/>MHZ</div><br>Z4= <div>KHZ<br/>MHZ</div> |       |                                                                                                                                                                                                             |                                                                                     |       |                |       |                 |       |       |      |
| 溫度<br>TEMP                                      |                                  | ℃                                                                                                                         |       | 濕度<br>HUMIDITY                                                                                                                                                                                              |                                                                                     |       |                | %     |                 |       |       |      |
| 項目<br>TEST<br>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    |
|                                                 | 65                               | 150                                                                                                                       |       |                                                                                                                                                                                                             | 16.5                                                                                | 14.0  | 7.0            | 30.0  | 2.5             | 13    | 23.0  | 7.0  |
| +                                               | /                                | /                                                                                                                         |       |                                                                                                                                                                                                             | 1.0                                                                                 | 1.0   | 0.8            | 1.0   | 1.0             | 0.5   | 0.6   | 0.5  |
| -                                               | 0                                | 0                                                                                                                         |       |                                                                                                                                                                                                             | 1.0                                                                                 | 1.0   | 0.8            | 1.0   | 1.0             | 0.5   | 0.6   | 0.5  |
| 1                                               | 85.8                             | 163.5                                                                                                                     |       |                                                                                                                                                                                                             | 16.50                                                                               | 14.40 | 6.92           | 30.08 | 2.15            | 13.01 | 23.11 | 6.92 |
| 2                                               | 86.2                             | 164.2                                                                                                                     |       |                                                                                                                                                                                                             | 16.40                                                                               | 14.30 | 6.95           | 30.06 | 2.21            | 13.10 | 23.20 | 6.95 |
| 3                                               | 86.5                             | 164.6                                                                                                                     |       |                                                                                                                                                                                                             | 16.39                                                                               | 14.31 | 6.90           | 30.07 | 2.27            | 13.06 | 23.16 | 6.90 |
| 4                                               | 86.3                             | 162.7                                                                                                                     |       |                                                                                                                                                                                                             | 16.37                                                                               | 14.33 | 6.93           | 30.20 | 2.13            | 13.12 | 23.15 | 6.93 |
| 5                                               | 86.1                             | 164.4                                                                                                                     |       |                                                                                                                                                                                                             | 16.45                                                                               | 14.35 | 6.92           | 30.14 | 2.14            | 13.06 | 23.14 | 6.92 |
| 6                                               | 85.6                             | 164.8                                                                                                                     |       |                                                                                                                                                                                                             | 16.43                                                                               | 14.37 | 6.99           | 30.12 | 2.10            | 12.95 | 23.09 | 6.99 |
| 7                                               | 85.9                             | 162.8                                                                                                                     |       |                                                                                                                                                                                                             | 16.48                                                                               | 14.39 | 7.01           | 30.27 | 2.05            | 12.99 | 23.00 | 7.01 |
| 8                                               | 86.6                             | 163.7                                                                                                                     |       |                                                                                                                                                                                                             | 16.36                                                                               | 14.32 | 7.08           | 30.29 | 2.09            | 12.94 | 22.95 | 7.08 |
| 9                                               | 86.4                             | 164.1                                                                                                                     |       |                                                                                                                                                                                                             | 16.54                                                                               | 14.34 | 7.04           | 30.32 | 2.12            | 12.89 | 22.99 | 7.04 |
| 10                                              | 86.7                             | 163.2                                                                                                                     |       |                                                                                                                                                                                                             | 16.52                                                                               | 14.36 | 7.07           | 30.18 | 2.28            | 12.98 | 22.99 | 7.07 |
| $\bar{X}$                                       | 86.35                            | 163.67                                                                                                                    |       |                                                                                                                                                                                                             | 16.44                                                                               | 14.34 | 6.98           | 30.17 | 2.15            | 13.01 | 23.07 | 6.98 |
| Y/N                                             | Y                                | Y                                                                                                                         |       |                                                                                                                                                                                                             | Y                                                                                   | Y     | Y              | Y     | Y               | Y     | Y     | Y    |
| 測試儀器:<br>TEST INSTRUMENTS:<br><br>E4991A+16194A |                                  |                                                                                                                           |       |                                                                                                                                                                                                             |  |       |                |       |                 |       |       |      |
|                                                 |                                  |                                                                                                                           |       |                                                                                                                                                                                                             |                                                                                     |       |                |       |                 |       |       |      |
|                                                 |                                  |                                                                                                                           |       |                                                                                                                                                                                                             | 檢 驗<br>INSPECTED                                                                    |       | 復 核<br>CHECKED |       | 確 認<br>APPROVED |       |       |      |
|                                                 |                                  |                                                                                                                           |       |                                                                                                                                                                                                             | 李光赫                                                                                 |       | 方煜镗            |       | 梁琮              |       |       |      |

阻抗 - 頻率曲綫  
IMPEDANCE V.S FREQUENCY (Z-Y)

