# 承 認 書

# SPECIFCATION FOR APPROVAL

| | |
|---|---|
| 客户名稱<br>CUSTOMER | |
| 品名規格<br>DESCRIPTION | SCRC1330B-Grey |
| 客户料號<br>CUS. P/N | |
| 提出日期<br>DATE | 2025.05.12 |

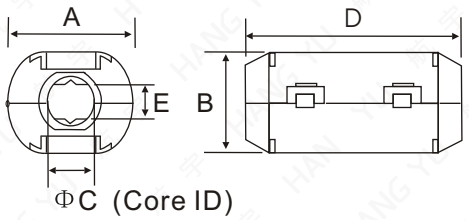
| 出 圖<br>RDAWING | | |
|---|---|---|
| 發 行<br>MADE | 復 核<br>CHECKED | 確 認<br>APPROVED |
| 李光赫 | 方煜镏 | 梁琼 |
| 销售部：张 丽 | | |

| 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 | SCRC1330B-Grey | 編　號<br>SERIAL NO . | |

1.1. 形狀尺寸(單位/毫米):
SHAPE & DIMENSION(unit/mm):




1.2. 實物圖:
The Sample::

| | |
|---|---|
| A | 23.5 ± 1.0 mm |
| B | 22.2 ± 1.0 mm |
| C | 13.5 ± 0.8 mm |
| D | 36.0 ± 1.0 mm |
| E | 10.5 ± 1.0 mm |
| F | |
| G | |
| H | |

2. 電氣性能檢測項目:
ELECTRICAL REQUIREMENTS:

| | | | | |
|---|---|---|---|---|
| ☐ L | | | TEST FREQ | KHZ MHZ |
| ☐ Q | | | TEST FREQ | KHZ MHZ |
| ☑ Z | Z1= 60Ω MIN | ~~KHZ~~ 25 MHZ | Z2=150Ω MIN | ~~KHZ~~ 100 MHZ |
| | Z3= ／ | KHZ MHZ | Z4= ／ | KHZ MHZ |
| 温 度<br>TEMP | ℃ | 濕　度<br>HUMIDITY | % | |
| 綫 組<br>WINDING | Φ0.5x0.5TSx100L(mm) | | | |

測試儀器
TEST INSTRUMENTS

1. Q-METER:
   ○HP 4342A　○MQ-172
2. L.C.R. METER:
   ○HP 4284A
3. IMPEDANCE ANALYZER:
   ○HP 4396B　☑HP 4191A　○HP4192B
   ○Agilent 16092A-TESTFIXTURE
4. L-METER:
   ○TH 2775B
5. DIGITAL MINI-OHM METER:
   ○VP2941A

3. 外 觀:
THE LIMIT OF BREAKAGE:

| 項 目<br>Item | 標準值<br>Standard Value |
|---|---|
| 一處缺陷的面積<br>Area of a breakage | ≤1mm$^2$ |
| 總缺陷面積<br>All area of the breakage | ≤2mm$^2$ |
| 缺陷深度<br>The depth of the breakage | ≤0.4mm |
| 毛刺長度<br>The length of burr | ≤0.2mm |

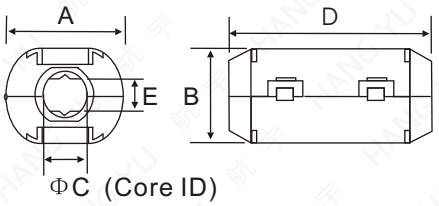
4. 包 裝:
PACKAGING:
內包裝采用泡塑盒，外包裝采用紙箱，每箱產品外面都蓋上合格章(包括品名、數量、批號、檢驗員)。
Inner packing adopts foam plastics box, outer packing adopts carton and each carton should have a qualified chapter label outside(include the variety, quantity, batch number and inspector).

# 檢 驗 數 據
# INSPECTION DATA

| | | | | | |
|---|---|---|---|---|---|
| 客户名稱 CUSTOMER | | 日 期 DATE | 2025.05.12 | 數 量 QUANTITY | 5PCS |
| 編 號 SERIAL NO . | | | | | |
| 規 格 ITEM | SCRC1330B-Grey | | | | |
| 綫 組 WINDING | Φ0.5x0.5TSx100L(mm) | | | | |
| 測試頻率 TEST FREQ | Z1= ~~KHZ~~ 25 MHZ | Z2= ~~KHZ~~ 100 MHZ | | | |
| | Z3= / KHZ MHZ | Z4= / KHZ MHZ | | | |
| 温 度 TEMP | ℃ | 濕 度 HUMIDITY | % | | |

形狀尺寸(單位/毫米):
SHAPE & DIMENSION(unit/mm):

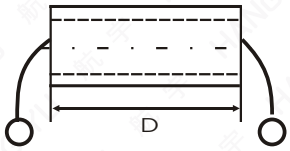
實物圖:
The Sample::



| 項目 TEST ITEM | 電 氣 性 能 ELECTRIC CHARACTERISTICS | | | | | | 尺 寸(單位:毫米) DIMENSION(unit:mm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Q | L(μH) (MH) | Z1(Ω) | Z2(Ω) | Z3(Ω) | Z4(Ω) | A | B | C | D | E | F |
| | | | 60 | 150 | | | 23.5 | 22.2 | 13.5 | 36.0 | 10.5 | |
| + | | | / | / | | | 1.0 | 1.0 | 0.8 | 1.0 | 1.0 | |
| − | | | 0 | 0 | | | 1.0 | 1.0 | 0.8 | 1.0 | 1.0 | |
| 1 | | | 73.7 | 179.5 | | | 23.30 | 22.40 | 13.60 | 36.40 | 10.50 | |
| 2 | | | 73.5 | 179.6 | | | 23.40 | 22.30 | 13.80 | 36.50 | 10.60 | |
| 3 | | | 73.4 | 179.2 | | | 23.39 | 22.31 | 13.70 | 36.48 | 10.40 | |
| 4 | | | 73.8 | 180.1 | | | 23.37 | 22.33 | 13.63 | 36.46 | 10.45 | |
| 5 | | | 75.4 | 179.7 | | | 23.35 | 22.35 | 13.72 | 36.44 | 10.52 | |
| 6 | | | 74.5 | 179.4 | | | 23.33 | 22.37 | 13.69 | 36.42 | 10.48 | |
| 7 | | | 74.7 | 178.7 | | | 23.38 | 22.39 | 13.71 | 36.47 | 10.53 | |
| 8 | | | 74.9 | 179.9 | | | 23.36 | 22.32 | 13.68 | 36.49 | 10.47 | |
| 9 | | | 74.5 | 179.4 | | | 23.34 | 22.34 | 13.64 | 36.42 | 10.49 | |
| 10 | | | 75.2 | 180.2 | | | 23.32 | 22.36 | 13.67 | 36.48 | 10.51 | |
| $\overline{X}$ | | | 74.65 | 179.53 | | | 23.35 | 22.34 | 13.68 | 36.45 | 10.49 | |
| Y/N | | | Y | Y | | | Y | Y | Y | Y | Y | |

測試儀器:
TEST INSTRUMENTS:

HP 4191A



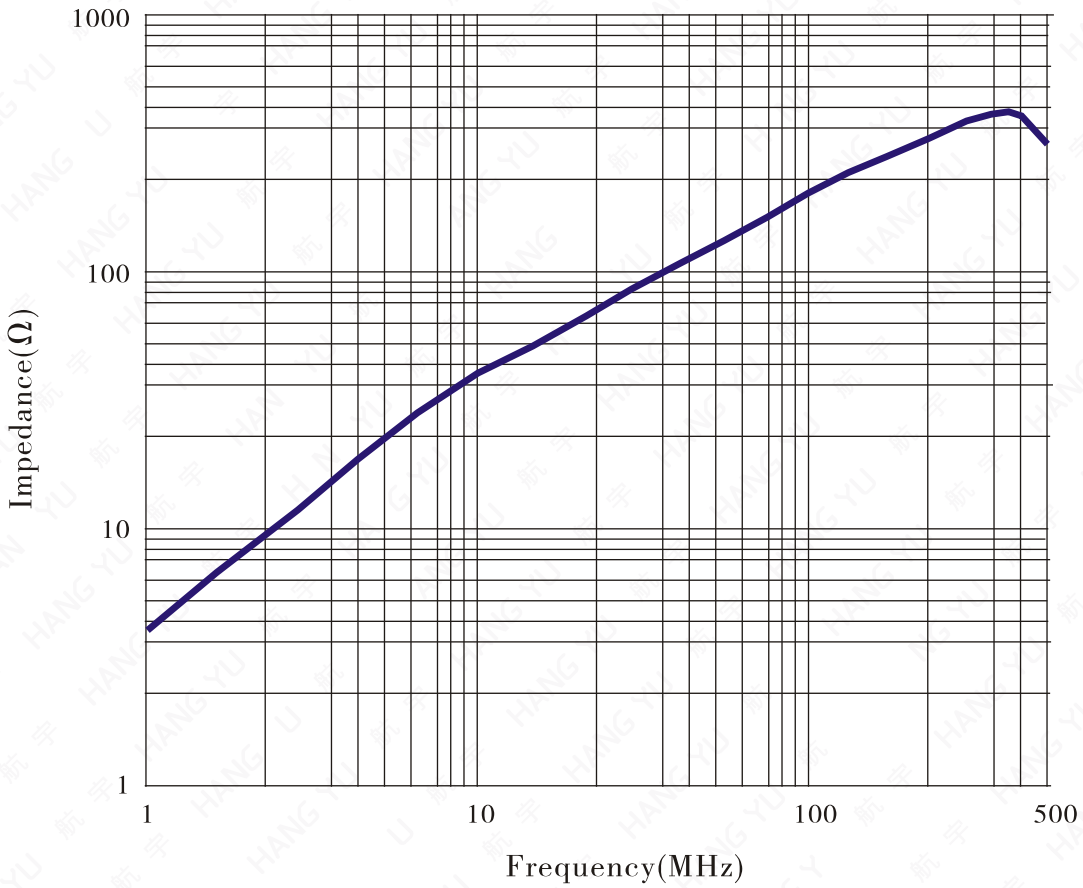

| 檢 驗 INSPECTED | 復 核 CHECKED | 確 認 APPROVED |
|---|---|---|
| 李光赫 | 方煜镏 | 梁琼 |

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

| 客户名稱 CUSTOMER | | 日 期 DATE | 2025.05.12 |
|---|---|---|---|
| 規 格 ITEM | SCRC1330B-Grey | 編 號 SERIAL NO. | |

材質特性 MATERIAL CHARACTERISTICS

| 材料牌號 Mate-rial | 初始磁導率 Initial Permeability | 比損耗因子 Relative Loss Factor | 比溫度系數 Relative Temperature Coefficient | 飽和磁通密度 Saturation Magnetic Flux Density | 剩 磁 Reman-ence | 矯頑力 Coercivity | 居裏溫度 Curie Tempera-ture | 電阻率 Electrical Resistivity | 使用範圍 Applied Frequency Range | 密度 Density |
|---|---|---|---|---|---|---|---|---|---|---|
| Unit symbol | $\mu_i$ ±20% | Tan $\delta/\mu_i$ $\times 10^{-6}$ | $\alpha_{\mu_i}$ $\times 10^{-6}$ | Bs (MT) | Br (MT) | HC (A/m) | Tc (℃) | $\rho$ (Ω・m) | F MHz | d g/cm³ |
| | | 16 (0.1MHz) | 5 - 10 | 350(1600A/m) | 200 | 20 | >110 | $>10^5$ | 0.1 - 15 | 4.7 |




測試條件：
TESTING CONDITION:

1. 測試儀器：
   Testing Equipment: HP 4191A
2. 測試頻率區間：
   Testing Frequency Range: 1–500MHz
3. 測試綫組：
   Testing Coil Specification: Φ0.5x0.5TSx100L(mm)

| 測 試 TESTED | 復 核 CHECKED | 確 認 APPROVED |
|---|---|---|
| 李光赫 | 方煜镏 | 梁琼 |