# 承 認 書

# SPECIFCATION FOR APPROVAL

| | |
|---|---|
| 客户名稱<br>CUSTOMER | |
| 品名規格<br>DESCRIPTION | HYCD1325-0530A |
| 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 | | |

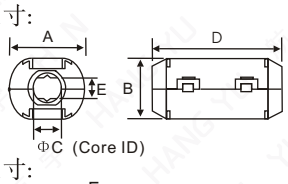
| 承 認<br>CUSTOMER APPROVE |
|---|
| |

# 承　認　書
# SPECIFICATION FOR APPROVAL

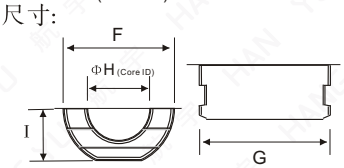
| | | | |
|---|---|---|---|
| 客户名稱 CUSTOMER | | 日　期 DATE | 2025.5.12 |
| 規　格 ITEM | HYCD1325-0530A | 編　號 SERIAL NO. | |

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

外殼尺寸:




磁芯尺寸:




1.2. 實物圖: The Sample::

| | |
|---|---|
| A | 13.0 ± 1.0 mm |
| B | 11.5 ± 1.0 mm |
| C | 5.0 ± 1.0 mm |
| D | 25 ± 1.0 mm |
| E | 2.5 ± 1.0 mm |
| F | 10 ± 0.5 mm |
| G | 20 ± 0.5 mm |
| H | 5 ± 0.5 mm |
| I | 4.6 ± 0.3 mm |

2. 電氣性能檢測項目: ELECTRICAL REQUIREMENTS:

| | | | | |
|---|---|---|---|---|
| ☐ L | | | TEST FREQ | KHZ MHZ |
| ☐ Q | | | TEST FREQ | KHZ MHZ |
| ☑ Z | Z1= 55Ω MIN | ~~KHZ~~ 25 MHZ | Z2= 115Ω MIN | ~~KHZ~~ 100 MHZ |
| | Z3= | / KHZ MHZ | Z4= | / KHZ MHZ |
| 温 度 TEMP | ℃ | 濕　度 HUMIDITY | % | |
| 綫 組 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　∅E4991A
   ∅Agilent 16194A-TESTFIXTURE
4. L-METER:
   ○TH 2817A
5. DIGITAL MINI-OHM METER:
   ○VP2941A

3. 外觀標準: 依下表對照檢索:
THE LIMIT OF BREAKAGE: CHECKED BELOW:

| OD (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 Defect area ($mm^2$) | ≦1 | ≦2 | ≦3 | ≦4 | ≦5 | ≦6 | ≦7 | ≦8 |
| 缺陷个数 Number of defects (≦) | 1 | 2 | 3 | 3 | 3 | 3 | 2 | 2 |

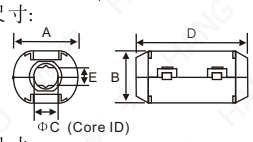
4.材質特性 MATERIAL CHARACTERISTICS

| 材料牌號 Mate-rial | 初始磁導率 Initial Permeability | 比損耗因子 Relative Loss Factor | 比温度系數 Relative Temperature Coefficient | 飽和磁通密度 Saturation Magnetic Flux Density | 剩 磁 Reman-ence | 矯頑力 Coercivity | 居裏温度 Curie Tempera-ture | 電阻率 Electrical Resistivity | 密度 Density |
|---|---|---|---|---|---|---|---|---|---|
| Unit symbol | $\mu_i$ ±20% | Tan δ / $\mu_i$ $\times 10^{-6}$ | α $\mu_i$ γ $\times 10^{-6}$ | Bs (MT) | Br (MT) | HC (A/m) | Tc (℃) | ρ (Ω・m) | d $g/cm^3$ |
| | | 16 (0.1MHz) | 5 - 10 | 280(1600A/m) | 200 | 20 | >130 | $>10^5$ | 4.6 |

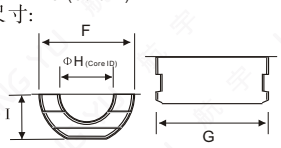
# 檢 驗 數 據
# INSPECTION DATA

| 客户名稱 CUSTOMER | | 日 期 DATE | 2025.5.12 | 數 量 QUANTITY | 10PCS |
|---|---|---|---|---|---|
| 編 號 SERIAL NO. | | | | | |
| 規 格 ITEM | HYCD1325-0530A | | | | |
| 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):
(Core diameter)
外殼尺寸:




磁芯尺寸:

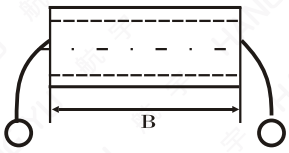



實物圖:
The Sample::

| 項目 TEST ITEM | 電氣性能 ELECTRIC CHARACTERISTICS | | | 尺 寸(單位:毫米) DIMENSION(unit:mm) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Z1(Ω) | Z2(Ω) | Z3(Ω) | A | B | C | D | E | F | G | H | I |
| | 55 | 115 | | 13.0 | 11.5 | 5.0 | 25 | 2.5 | 10 | 20 | 5 | 4.6 |
| + | / | / | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | 0.5 | 0.5 | 0.3 |
| − | 0 | 0 | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | 0.5 | 0.5 | 0.3 |
| 1 | 66.2 | 140.8 | | 13.06 | 11.93 | 5.12 | 24.78 | 2.50 | 10.01 | 20.11 | 4.92 | 4.62 |
| 2 | 65.8 | 140.4 | | 13.13 | 11.92 | 5.09 | 24.79 | 2.60 | 10.10 | 20.20 | 4.95 | 4.55 |
| 3 | 66.2 | 140.8 | | 13.09 | 11.85 | 5.08 | 24.85 | 2.40 | 10.06 | 20.16 | 4.90 | 4.60 |
| 4 | 66.5 | 140.3 | | 13.08 | 11.86 | 5.11 | 24.88 | 2.45 | 10.12 | 20.15 | 4.93 | 4.63 |
| 5 | 66.4 | 140.5 | | 13.15 | 11.88 | 5.12 | 24.96 | 2.52 | 10.06 | 20.14 | 4.92 | 4.52 |
| 6 | 65.7 | 140.3 | | 13.12 | 11.82 | 5.10 | 24.98 | 2.48 | 9.95 | 20.09 | 4.99 | 4.59 |
| 7 | 65.6 | 140.6 | | 13.17 | 11.92 | 5.13 | 25.20 | 2.53 | 9.99 | 20.00 | 5.01 | 4.61 |
| 8 | 65.8 | 140.9 | | 13.14 | 11.96 | 5.15 | 25.05 | 2.47 | 9.94 | 19.95 | 5.08 | 4.58 |
| 9 | 66.3 | 140.2 | | 13.16 | 11.98 | 5.14 | 25.12 | 2.49 | 9.89 | 19.97 | 5.04 | 4.64 |
| 10 | 65.7 | 140.3 | | 13.11 | 11.92 | 5.12 | 25.09 | 2.51 | 9.98 | 19.99 | 5.07 | 4.67 |
| $\overline{X}$ | 66.24 | 140.52 | | 13.12 | 11.90 | 5.11 | 24.97 | 2.49 | 10.01 | 20.07 | 4.98 | 4.60 |
| Y/N | Y | Y | | Y | Y | Y | Y | Y | Y | Y | Y | Y |

測試儀器:
TEST INSTRUMENTS:

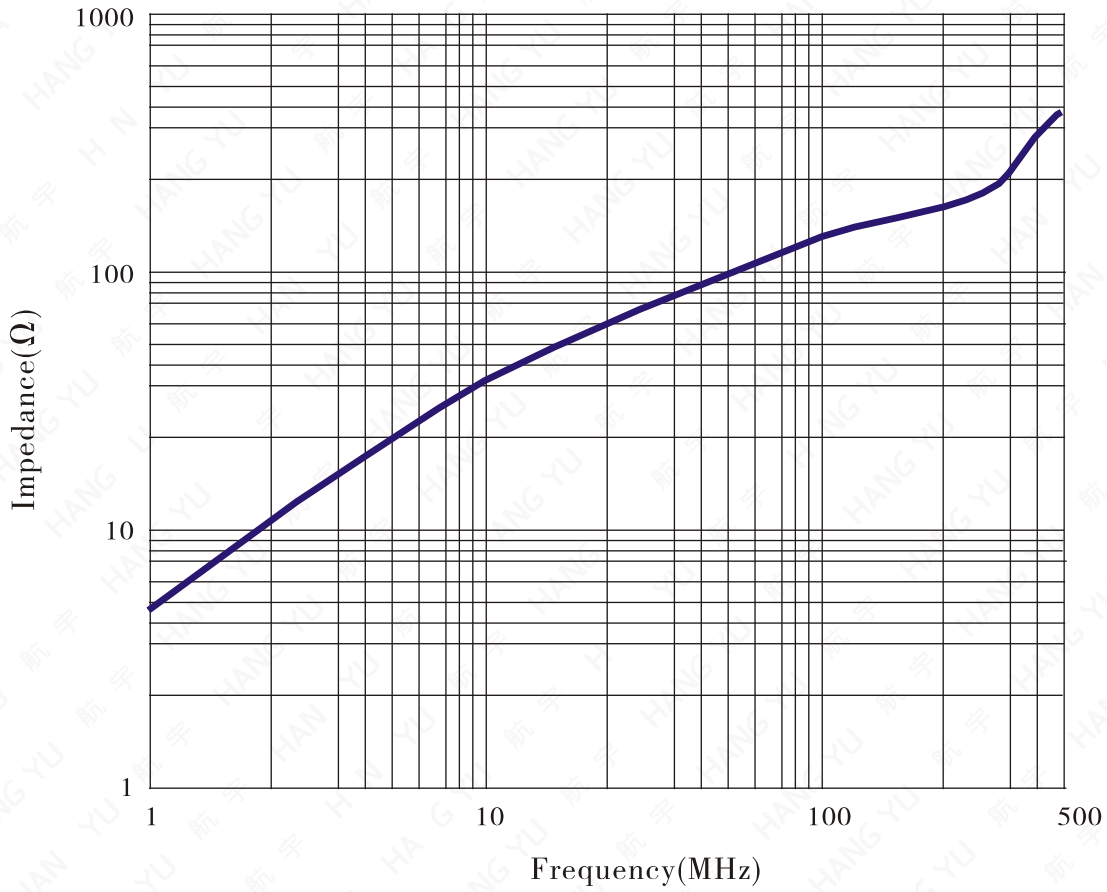
E4991A+16194A




| 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 | 2025.5.12 |
|---|---|---|---|
| 規 格 ITEM | HYCD1325-0530A | 編 號 SERIAL NO. | |




測試條件：
TESTING CONDITION:

1. 測試儀器：
   Testing Equipment: E4991A+16194A
2. 測試頻率區間：
   Testing Frequency Range: 1-500MHz
3. 測試綫組：
   Testing Coil Specification: Φ0.5x0.5TSx100L(mm)

說明Note：
本承認書在客户收到7天之内，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 TESTED | 復 核 CHECKED | 確 認 APPROVED |
|---|---|---|
| 李光赫 | 方煜镏 | 梁琼 |