

# 承認書

## SPECIFICATION FOR APPROVAL

客户名稱  
CUSTOMER

客户料号  
CUS. P/N

尺寸  
DIMENSION

CT2-20x15x10

編號  
SERIAL NO.

NO. CF1026132303

日期  
DATE

2023年6月12日

| 出圖<br>DRAWING   |               |                |
|-----------------|---------------|----------------|
| 發行<br>ISSUE     | 復核<br>CHECKED | 核準<br>APPROVAL |
| 趙<br>利勤         | 李<br>新义       | 王<br>传军        |
| DATE: 2023/6/12 |               |                |

| 承認<br>CUSTOMER APPROVAL |
|-------------------------|
|                         |

承認書  
SPECIFICATION FOR APPROVAL

|                                                                                                                                                                                                                                       |                               |                 |                       |                                                                                                                                                |                  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--|
| 規格<br>ITEM                                                                                                                                                                                                                            | CT2-20x15x10                  |                 | 編號<br>SERIAL NO.      |                                                                                                                                                | NO. CF1026132303 |  |
| 1. 形狀尺寸 (單位mm) ;<br>SHAPE & DIMENSION(unit/mm);<br><br>                                                                                              |                               |                 | A                     | 20.00 ± 0.5                                                                                                                                    | mm               |  |
|                                                                                                                                                                                                                                       |                               |                 | B                     | 15.00 ± 0.5                                                                                                                                    | mm               |  |
|                                                                                                                                                                                                                                       |                               |                 | C                     | 10.00 ± 0.4                                                                                                                                    | 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=50 Ω MIN    KHZ<br>25MHZ   | Z3=             | KHZ<br>MHZ            | 2. LCR-METER:<br><input type="checkbox"/> TH2826                                                                                               |                  |  |
|                                                                                                                                                                                                                                       | Z2=110 Ω MIN    KHZ<br>100MHZ | Z4=             | KHZ<br>MHZ            | 3. IMPEDANCE ANALYZER:<br><input type="checkbox"/> HP-4191A <input type="checkbox"/> Agilent 16092A <input checked="" type="checkbox"/> E4991A |                  |  |
| 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 觀<br>THE LIMIT OF BREAKAGE:                                                                                                                                                                                                      |                               |                 |                       |                                                                                                                                                |                  |  |
| 項 目<br>Item                                                                                                                                                                                                                           |                               |                 | 標準值<br>Standard Value |                                                                                                                                                |                  |  |
| 一處缺陷的面积<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                                                                                                                                                   |                                       | CT2-20x15x10 |          |          |          | 編 號<br>SERIAL NO.                     |                           | NO. CF1026132303              |       |                       |   |       |  |
| <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=50 Ω MIN    KHZ<br>25MHZ   |       | Z1=        KHZ<br>MHZ |   |       |  |
|                                                                                                                                                               |                                       |              |          |          |          |                                       |                           | Z2=110 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     |  |
|                                                                                                                                                               |                                       |              | 50       | 110      |          |                                       | 20                        | 15                            | 10    |                       |   |       |  |
| +                                                                                                                                                             |                                       |              | /        | /        |          |                                       | 0.5                       | 0.5                           | 0.4   |                       |   |       |  |
| —                                                                                                                                                             |                                       |              | 0        | 0        |          |                                       | 0.5                       | 0.5                           | 0.4   |                       |   |       |  |
| 1                                                                                                                                                             |                                       |              | 76.5     | 137.8    |          |                                       | 19.98                     | 15.05                         | 10.02 |                       |   |       |  |
| 2                                                                                                                                                             |                                       |              | 75.7     | 137.4    |          |                                       | 19.92                     | 15.01                         | 10.03 |                       |   |       |  |
| 3                                                                                                                                                             |                                       |              | 77.0     | 137.9    |          |                                       | 20.04                     | 15.06                         | 10.01 |                       |   |       |  |
| 4                                                                                                                                                             |                                       |              | 76.1     | 138.4    |          |                                       | 19.96                     | 15.20                         | 10.05 |                       |   |       |  |
| 5                                                                                                                                                             |                                       |              | 77.6     | 138.7    |          |                                       | 19.92                     | 15.00                         | 9.99  |                       |   |       |  |
| 6                                                                                                                                                             |                                       |              | 76.6     | 139.6    |          |                                       | 20.08                     | 15.21                         | 9.97  |                       |   |       |  |
| 7                                                                                                                                                             |                                       |              | 75.6     | 138.0    |          |                                       | 20.04                     | 15.03                         | 10.05 |                       |   |       |  |
| 8                                                                                                                                                             |                                       |              | 78.2     | 137.8    |          |                                       | 20.08                     | 15.08                         | 10.05 |                       |   |       |  |
| 9                                                                                                                                                             |                                       |              | 77.9     | 138.1    |          |                                       | 20.04                     | 15.11                         | 9.99  |                       |   |       |  |
| 10                                                                                                                                                            |                                       |              | 78.1     | 166.8    |          |                                       | 20.02                     | 15.17                         | 10.00 |                       |   |       |  |
| X                                                                                                                                                             |                                       |              | 76.9     | 141.0    |          |                                       | 20.01                     | 15.09                         | 10.02 |                       |   |       |  |
| Y/N                                                                                                                                                           |                                       |              | Y        | Y        |          |                                       | Y                         | Y                             | Y     |                       |   |       |  |
| <div>2. 測試儀器<br/>TESTING INSTRUMENTS<br/>E4991A</div> <div></div>          |                                       |              |          |          |          | 檢 測<br>INSPECTION                     |                           | 復 核<br>CHECK                  |       | 确 認<br>APPROVAL       |   |       |  |
|                                                                                                                                                               |                                       |              |          |          |          | <div>赵<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                                                                                         |                                            | CT2-20x15x10                              |                                                 |                                                  | 編 號<br>SERIAL NO.      |                         | NO. CF1026132303                   |                                             |                                           |                        |
| 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                                             | 260(1600A/m)                                     | 150                    | 35                      | >140                               | >10 <sup>5</sup>                            | 0.1-1.5                                   | 4.6                    |
| <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 4191A<br>Testing Equipment:                                                             |                                            |                                           |                                                 |                                                  | <div></div>            |                         | <div></div>                        |                                             | <div></div>                               |                        |
| 2. 测试频率区间： 1MHZ-500MHZ<br>Testing Frequency Range:                                                  |                                            |                                           |                                                 |                                                  |                        |                         |                                    |                                             |                                           |                        |
| 3. 测试绕组： $\Phi 0.5 \times 100L(mm) \times 0.5TS$<br>Testing Coil Specification:                     |                                            |                                           |                                                 |                                                  |                        |                         |                                    |                                             |                                           |                        |