

# 承認書

## SPECIFICATION FOR APPROVAL

客户名稱  
CUSTOMER

客户料号  
CUS. P/N

尺寸  
DIMENSION

CF-30x20x15

編號  
SERIAL NO.

NO.CF1026132778

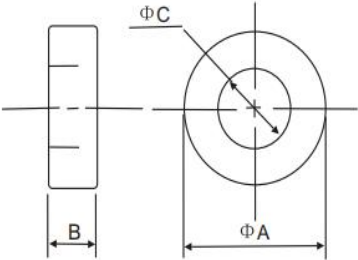
日期  
DATE

2024年7月6日

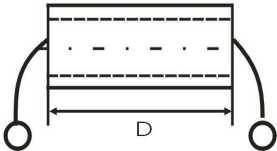
| 出圖<br>DRAWING  |               |                |
|----------------|---------------|----------------|
| 發行<br>ISSUE    | 復核<br>CHECKED | 核準<br>APPROVAL |
| 趙<br>利勤        | 李<br>新义       | 王<br>传军        |
| DATE: 2024/7/6 |               |                |

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

承認書  
SPECIFICATION FOR APPROVAL

|                                                                                                                                                                                                                                                                                 |             |                         |              |                                                                                                                                     |                 |             |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------|----|
| 規格<br>ITEM                                                                                                                                                                                                                                                                      | CF-30x20x15 |                         |              | 編號<br>SERIAL NO.                                                                                                                    | NO.CF1026132778 |             |    |
| <div>1. 形狀尺寸 (單位mm) ;<br/>SHAPE &amp; DIMENSION(unit/mm);</div> <div></div>                                                                                                                    |             |                         |              |                                                                                                                                     | A               | 30.00 ± 0.5 | mm |
|                                                                                                                                                                                                                                                                                 |             |                         |              |                                                                                                                                     | B               | 20.00 ± 0.5 | mm |
|                                                                                                                                                                                                                                                                                 |             |                         |              |                                                                                                                                     | C               | 15.00 ± 0.3 | mm |
|                                                                                                                                                                                                                                                                                 |             |                         |              |                                                                                                                                     | 外壳外径            | 34.00 ± 0.5 | mm |
|                                                                                                                                                                                                                                                                                 |             |                         |              |                                                                                                                                     | 外壳内径            | 17.40 ± 0.5 | mm |
|                                                                                                                                                                                                                                                                                 |             |                         |              |                                                                                                                                     | 外壳高度            | 18.30 ± 0.3 | mm |
|                                                                                                                                                                                                                                                                                 |             |                         |              |                                                                                                                                     |                 |             |    |
| <div>2. 電器性能檢測項目<br/>ELECTTRONICAL REQUIREMENTS;</div>                                                                                                                                                                                                                          |             |                         |              |                                                                                                                                     |                 |             |    |
| <input checked="" type="checkbox"/> L                                                                                                                                                                                                                                           | AL>80uH     | TEST<br>FREQ            | 10khz, 0. 3v | 測試儀器<br>TESTING INSTRUMENTS                                                                                                         |                 |             |    |
| <input checked="" type="checkbox"/> Q                                                                                                                                                                                                                                           |             | TEST<br>FREQ            | KHZ<br>MHZ   | 1. Q-METER:<br><input type="checkbox"/> HP-4342A <input type="checkbox"/> MQ-172                                                    |                 |             |    |
| <input type="checkbox"/> Z                                                                                                                                                                                                                                                      |             | Z3=                     | KHZ<br>MHZ   | 2. LCR-METER:<br><input type="checkbox"/> TH2826                                                                                    |                 |             |    |
|                                                                                                                                                                                                                                                                                 |             | Z4=                     | KHZ<br>MHZ   | 3. IMPEDANCE ANALYZER:<br><input type="checkbox"/> HP-4191A <input type="checkbox"/> Agilent 16092A <input type="checkbox"/> TH2826 |                 |             |    |
| 溫度<br>TEMP                                                                                                                                                                                                                                                                      | 25±5℃       | 濕 度<br>HUMIDITY         | 60±8%        | 4. L-METER:<br><input type="checkbox"/> LCR-1062A                                                                                   |                 |             |    |
| 繞 线:<br>WINDING                                                                                                                                                                                                                                                                 |             | Z: Φ 0.5*100L(mm)*0.5TS |              | 5. DIGITAL MINI-OHM METER:<br>VP2941A                                                                                               |                 |             |    |
| <div>3. 外 观<br/>THE LIMIT OF BREAKACE:</div>                                                                                                                                                                                                                                    |             |                         |              |                                                                                                                                     |                 |             |    |
| 項 目<br>Item                                                                                                                                                                                                                                                                     |             |                         |              | 標準值<br>Standard Value                                                                                                               |                 |             |    |
| 平均磁路长度Le (cm)                                                                                                                                                                                                                                                                   |             |                         |              | 7. 8                                                                                                                                |                 |             |    |
| 有效截面积Ae (cm²)                                                                                                                                                                                                                                                                   |             |                         |              | 0. 6                                                                                                                                |                 |             |    |
|                                                                                                                                                                                                                                                                                 |             |                         |              |                                                                                                                                     |                 |             |    |
|                                                                                                                                                                                                                                                                                 |             |                         |              |                                                                                                                                     |                 |             |    |
| <div>4. 包 裝 PACKAGING:</div> <div>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).</div> |             |                         |              |                                                                                                                                     |                 |             |    |

檢 測 數 據  
INSPECTION DATA

|                                                                                                                                                               |                                       |             |       |       |       |                                       |                           |                     |       |                     |   |       |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------|-------|-------|-------|---------------------------------------|---------------------------|---------------------|-------|---------------------|---|-------|--|
| 規 格<br>ITEM                                                                                                                                                   |                                       | CF-30x20x15 |       |       |       | 編 號<br>SERIAL NO.                     |                           | NO.CF1026132778     |       |                     |   |       |  |
| <div>1. 形壯尺寸(单位/毫米):<br/>SHAPE &amp; DIMENSION(unit/mm): =</div> <div></div> |                                       |             |       |       |       | <input checked="" type="checkbox"/> L |                           | AL>80uH             |       |                     |   |       |  |
|                                                                                                                                                               |                                       |             |       |       |       | <input type="checkbox"/> Q            |                           |                     |       | KHZ<br>MHZ          |   |       |  |
|                                                                                                                                                               |                                       |             |       |       |       | <input type="checkbox"/> Z            |                           |                     |       | Z1= KHZ<br>MHZ      |   |       |  |
|                                                                                                                                                               |                                       |             |       |       |       |                                       |                           |                     |       | Z4= KHZ<br>MHZ      |   |       |  |
|                                                                                                                                                               |                                       |             |       |       |       | 溫 度<br>TEMP                           |                           | 25±5℃               |       | 濕 度<br>HUMIDITY     |   | 60±8% |  |
|                                                                                                                                                               |                                       |             |       |       |       | 绕 线:<br>WINDING                       |                           |                     |       |                     |   |       |  |
|                                                                                                                                                               |                                       |             |       |       |       |                                       |                           |                     |       |                     |   |       |  |
| 項 目<br>ITEM                                                                                                                                                   | 电 气 性 能<br>ELECTRONIC CHARACTERISTICS |             |       |       |       |                                       | 尺 寸<br>DIMENSION(unit:mm) |                     |       |                     |   |       |  |
|                                                                                                                                                               | Q                                     | L(μH)       | Z1(Ω) | Z2(Ω) | Z3(Ω) | Z4(Ω)                                 | A                         | B                   | C     | D                   | E | F     |  |
|                                                                                                                                                               |                                       | 80          |       |       |       |                                       | 30                        | 20                  | 15    |                     |   |       |  |
| +                                                                                                                                                             |                                       | /           |       |       |       |                                       | 0.5                       | 0.5                 | 0.3   |                     |   |       |  |
| —                                                                                                                                                             |                                       | 0           |       |       |       |                                       | 0.5                       | 0.5                 | 0.3   |                     |   |       |  |
| 1                                                                                                                                                             |                                       | 104.8       |       |       |       |                                       | 29.97                     | 20.06               | 15.03 |                     |   |       |  |
| 2                                                                                                                                                             |                                       | 107.9       |       |       |       |                                       | 29.88                     | 20.02               | 15.05 |                     |   |       |  |
| 3                                                                                                                                                             |                                       | 113.3       |       |       |       |                                       | 30.06                     | 20.08               | 15.01 |                     |   |       |  |
| 4                                                                                                                                                             |                                       | 112.3       |       |       |       |                                       | 29.94                     | 20.08               | 15.08 |                     |   |       |  |
| 5                                                                                                                                                             |                                       | 112.8       |       |       |       |                                       | 29.88                     | 19.82               | 14.98 |                     |   |       |  |
| 6                                                                                                                                                             |                                       | 104.0       |       |       |       |                                       | 30.12                     | 20.10               | 14.95 |                     |   |       |  |
| 7                                                                                                                                                             |                                       | 125.8       |       |       |       |                                       | 30.06                     | 20.04               | 15.08 |                     |   |       |  |
| 8                                                                                                                                                             |                                       | 112.1       |       |       |       |                                       | 30.12                     | 20.10               | 15.08 |                     |   |       |  |
| 9                                                                                                                                                             |                                       | 124.1       |       |       |       |                                       | 30.06                     | 20.14               | 14.98 |                     |   |       |  |
| 10                                                                                                                                                            |                                       | 104.5       |       |       |       |                                       | 30.03                     | 20.04               | 15.00 |                     |   |       |  |
| X                                                                                                                                                             |                                       | 112.2       |       |       |       |                                       | 30.01                     | 20.05               | 15.02 |                     |   |       |  |
| Y/N                                                                                                                                                           |                                       | Y           |       |       |       |                                       | Y                         | Y                   | Y     |                     |   |       |  |
| <div>2. 測試儀器<br/>TESTING INSTRUMENTS<br/>LCR-1062A</div> <div></div>       |                                       |             |       |       |       | 檢 測<br>INSPECTION                     |                           | 復 核<br>CHECK        |       | 確 認<br>APPROVAL     |   |       |  |
|                                                                                                                                                               |                                       |             |       |       |       | <div>趙<br/>利勤</div>                   |                           | <div>李<br/>新义</div> |       | <div>王<br/>传军</div> |   |       |  |

阻 抗 - 頻 率 曲 綫

IMPEDANCE V.S.FREQUENCY ( Z-Y )

|                                                     |                                                   |                                     |                                              |                                   |                                                 |                        |                                 |                                   |                 |
|-----------------------------------------------------|---------------------------------------------------|-------------------------------------|----------------------------------------------|-----------------------------------|-------------------------------------------------|------------------------|---------------------------------|-----------------------------------|-----------------|
| 規 格<br>ITEM                                         |                                                   | CF-30x20x15                         |                                              |                                   | 編 號<br>SERIAL NO.                               |                        | NO.CF1026132778                 |                                   |                 |
| 材质特性：<br>MATERIAL CHARACTERISTICS                   |                                                   |                                     |                                              |                                   |                                                 |                        |                                 |                                   |                 |
| 饱和磁感强度<br>(Bs)<br>Saturated<br>induction<br>density | 饱和磁致伸<br>缩系数<br>Saturated<br>magnetostr<br>iction | 初始磁导率<br>( μ i)<br>Permeabilit<br>y | 最大磁导率 ( μ<br>max)<br>Maximum<br>Permeability | 居里温度 (Tc)<br>Curie<br>Temperature | 晶化温度<br>(Tx)<br>Crystall<br>ization<br>temperat | 密度<br>( ρ )<br>Density | 电阻率<br>( δ )<br>Resistiv<br>ity | 填充系数<br>(k)<br>Stacking<br>Factor | 工作温度            |
| T                                                   |                                                   | Gs/Oe                               | Gs/Oe                                        | ℃                                 | ℃                                               | g/ cm3                 | u Ω . cm                        | -                                 | ℃               |
| 1.25                                                | <2*10^(-<br>6)                                    | 8.5*10^4                            | 40*10^4                                      | 570                               | 480                                             | 7.25                   | 130                             | >0.75                             | -55℃~130℃       |
| 测试条件；<br>TESTING CONDITION;                         |                                                   |                                     |                                              |                                   | 檢 測<br>INSPECTION                               |                        | 復 核<br>CHECK                    |                                   | 确 認<br>APPROVAL |
| 1. 测试仪器： LCR-1062A<br>Testing Equipment:            |                                                   |                                     |                                              |                                   |                                                 |                        |                                 |                                   |                 |
| 2. 测试频率区间：<br>Testing Frequency Range:              |                                                   |                                     |                                              |                                   |                                                 |                        |                                 |                                   |                 |
| 3. 测试绕组：<br>Testing Coil Specification:             |                                                   |                                     |                                              |                                   |                                                 |                        |                                 |                                   |                 |