

# 承認書

## SPECIFICATION FOR APPROVAL

客戶名稱  
CUSTOMER

客戶料號  
CUS. P/N

尺寸  
DIMENSION




**CUF9-70A**

編號  
SERIAL NO.

NO. CF1025411334

日期  
DATE

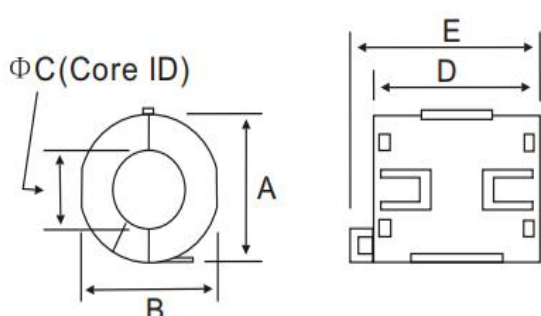
2024年5月8日

| 出圖<br>DRAWING   |   |   |
|---|---|---|
| 發行<br>ISSUE   | 復核<br>CHECKED   | 核準<br>APPROVAL  |
|  |  |  |
| DATE: 2024/5/8  |   |   |

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

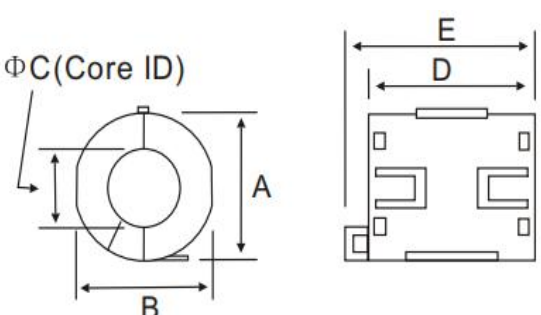
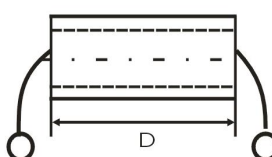



# 承認書

## SPECIFICATION FOR APPROVAL

| 規格<br>ITEM  | CUF9-70A                | 編號<br>SERIAL NO.                           | NO. CF1025411334   |  |
|---|-------------------------|--|--|--|
| 1. 形狀尺寸 (單位mm) ;<br>SHAPE & DIMENSION(unit/mm);<br><br>  |                         | A  | 15.00 ± 0.8 mm   |  |
|   |                         | B  | 14.00 ± 0.8 mm   |  |
|   |                         | C  | 7.00 ± 0.6 mm  |  |
|   |                         | D  | 18.00 ± 0.8 mm   |  |
|   |                         | E  | 22.00 ± 0.8 mm   |  |
|   |                         | F  |  |  |
|   |                         | G  |  |  |
|   |                         | 2. 電器性能檢測項目<br>ELECTTRONICAL REQUIREMENTS; |  |  |
| <input type="checkbox"/> L  |                         | TEST FREQ                                  | 測試儀器<br>TESTING INSTRUMENTS  |  |
| <input type="checkbox"/> Q  |                         | TEST FREQ                                  | KHZ<br>MHZ<br>1. Q-METER:<br><input type="checkbox"/> HP-4342A <input type="checkbox"/> MQ-172 |  |
| <input checked="" type="checkbox"/> Z   | Z1=30 Ω MIN<br>25MHZ    | KHZ  | Z3=  | KHZ<br>MHZ<br>2. LCR-METER:<br><input type="checkbox"/> TH2826   |
|   | Z2=90 Ω MIN<br>100MHZ   | KHZ  | Z4=  | KHZ<br>MHZ<br>3. IMPEDANCE ANALYZER:<br><input checked="" 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"/> 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 BREAKACE:   |                         |  |  |  |
| 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   | CUF9-70A                              |       |                         |       |                 | 編 號<br>SERIAL NO. | NO. CF1025411334   |       |   |       |   |   |
|---|---------------------------------------|-------|-------------------------|-------|-----------------|-------------------|--|-------|---|-------|---|---|
| 1. 形狀尺寸(單位/毫米):<br>SHAPE & DIMENSION(unit/mm):<br><br>     | <input type="checkbox"/> L            |       |                         |       |                 |                   |  |       |   |       |   |   |
|   | <input type="checkbox"/> Q            |       |                         |       |                 |                   |  |       |   |       | KHZ<br>MHZ  |   |
|   | <input checked="" type="checkbox"/> Z |       | Z1=30 Ω MIN<br>25MHZ    |       | KHZ             |                   | Z1=  |       | KHZ<br>MHZ  |       |   |   |
|   |                                       |       | Z2=90 Ω MIN<br>100MHZ   |       | KHZ             |                   | Z4=  |       | KHZ<br>MHZ  |       |   |   |
|   | 溫 度<br>TEMP                           |       | 25±5℃                   |       | 濕 度<br>HUMIDITY |                   | 60±8%  |       |   |       |   |   |
|   | 繞 線:<br>WINDING                       |       | Z: Φ 0.5*100L(mm)*0.5TS |       |                 |                   |  |       |   |       |   |   |
|   |                                       |       |                         |       |                 |                   |  |       |   |       |   |   |
| 項 目<br>ITEM   | 電 氣 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 |
|   |                                       |       | 30                      | 90    |                 |                   | 15   | 14    | 7   | 18    | 22  |   |
| +   |                                       |       | /                       | /     |                 |                   | 0.8  | 0.8   | 0.6   | 0.8   | 0.8   |   |
| -   |                                       |       | 0                       | 0     |                 |                   | 0.8  | 0.8   | 0.6   | 0.8   | 0.8   |   |
| 1   |                                       |       | 45.6                    | 111.6 |                 |                   | 14.99  | 14.04 | 7.01  | 17.95 | 21.98   |   |
| 2   |                                       |       | 45.1                    | 117.0 |                 |                   | 14.94  | 14.01 | 7.02  | 18.04 | 22.02   |   |
| 3   |                                       |       | 45.6                    | 115.2 |                 |                   | 14.76  | 14.06 | 7.01  | 17.98 | 22.07   |   |
| 4   |                                       |       | 47.4                    | 113.4 |                 |                   | 14.81  | 14.18 | 7.04  | 17.96 | 21.96   |   |
| 5   |                                       |       | 48.3                    | 111.8 |                 |                   | 14.78  | 14.00 | 6.99  | 18.00 | 22.07   |   |
| 6   |                                       |       | 46.8                    | 114.9 |                 |                   | 14.79  | 14.20 | 6.98  | 17.93 | 22.02   |   |
| 7   |                                       |       | 48.0                    | 111.9 |                 |                   | 15.03  | 14.03 | 7.04  | 18.02 | 22.09   |   |
| 8   |                                       |       | 46.5                    | 112.9 |                 |                   | 14.81  | 14.07 | 7.04  | 17.98 | 22.00   |   |
| 9   |                                       |       | 45.8                    | 116.0 |                 |                   | 14.91  | 14.10 | 6.99  | 17.98 | 22.13   |   |
| 10  |                                       |       | 47.4                    | 111.6 |                 |                   | 15.01  | 14.15 | 7.00  | 17.86 | 21.96   |   |
| X   |                                       |       | 46.7                    | 113.6 |                 |                   | 14.88  | 14.08 | 7.01  | 17.97 | 22.03   |   |
| Y/N   |                                       |       | Y                       | Y     |                 |                   | Y  | Y     | Y   | Y     | Y   |   |
| 2. 測試儀器<br>TESTING INSTRUMENTS<br>HP4191A+16092A<br><br> |                                       |       |                         |       |                 |                   | 檢 測<br>INSPECTION  |       | 復 核<br>CHECK  |       | 確 認<br>APPROVAL   |   |
|   |                                       |       |                         |       |                 |                   |  |       |  |       |  |   |

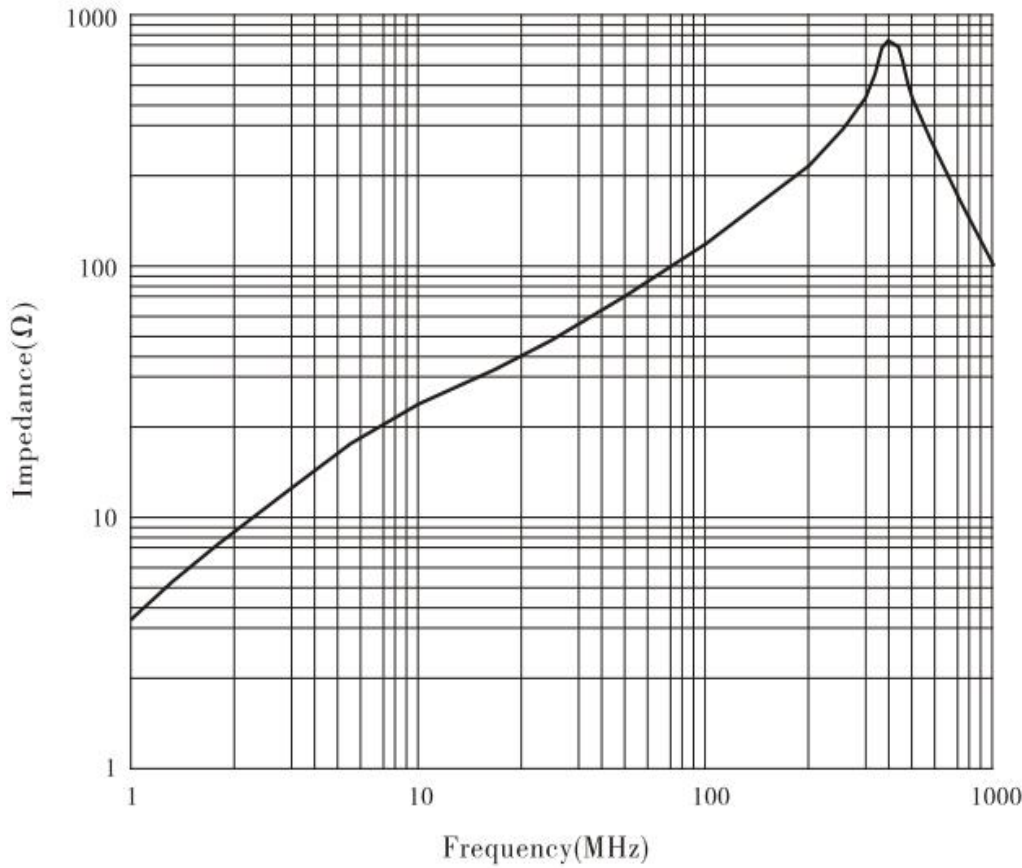
# 阻抗 - 頻率曲綫

IMPEDANCE V.S.FREQUENCY ( Z-Y )

|            |          |                  |                  |
|------------|----------|------------------|------------------|
| 規格<br>ITEM | CUF9-70A | 編號<br>SERIAL NO. | NO. CF1025411334 |
|------------|----------|------------------|------------------|

材质特性：  
MATERIAL CHARACTERISTICS

| 材料<br>牌号<br>Material | 初始磁<br>导率<br>Initial<br>Permeability | 比损耗因子<br>Relative<br>Loss Factor          | 比温度系数<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>ty | 居里温度<br>Curie<br>Tempera-<br>ture | 电阻率<br>Electric<br>Resistiv-<br>ity | 使用范围<br>Applied<br>Frequency<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>(°C)                        | $\rho$<br>( $\Omega \cdot m$ )      | F<br>Mhz                              | d<br>g/cm <sup>3</sup> |
| F9                   | 850                                  | 16(0.1MHz)                                | 5-10  | 350(1600A/m)                                     | 200                  | 20                     | >110                              | >10 <sup>5</sup>                    | 0.1-1.5                               | 4.8                    |



|   |                   |              |                 |
|---|-------------------|--------------|-----------------|
| 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 4191 A+16092 A<br>Testing Equipment:            |                   |              |                 |
| 2. 测试频率区间： 1MHZ-1000MHZ<br>Testing Frequency Range:         |                   |              |                 |
| 3. 测试绕组： Φ0.5*100L(mm)*0.5TS<br>Testing Coil Specification: |                   |              |                 |