



## 承認書 *Approval sheet*

Customer : 飛捷科技

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Customer P/N : 6LNA1C000060

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Brand : INPAQ

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Supplier P/N : NF-C-F16-R0-002

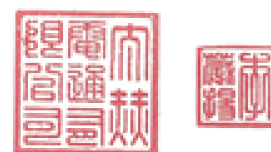
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Description : 80x80mm 13.56M NFC Antenna

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| 廠商簽認      |  |
|-----------|--|
| 承辦人 :     |  |
| 技術 / 負責人: |  |
| 認可 :      |  |

Prepared by : Tim  
Date : 2025/11/5



客戶名稱 : 太赫電通  
CUSTOMER :

Document No.: ENS000213940

Approval Sheet Rev.: A0

Spec. Rev. : P0

# 承認書

## APPROVAL SHEET

產品品名/Product Model No. : **NF-C-F16-R0-002**

客戶料號/Customer No. :

專案名稱/Project Name:

發行日期/ Issue Date : **2025/11/04**

承認日期/ Approved Date :

**Approved by customer: (signing or stamping here)**



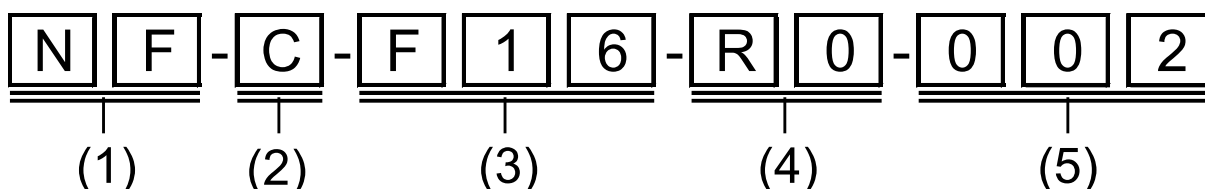
INPAQ WEB

## NF-C-F16-R0-002 Specification

### 1. Applications :

Near Field Communication (NFC) 、RFID

### 2. Explanation of Part Number :



- (1) Product type : Near Field Communication
- (2) Material : FPCB+ Ferrite
- (3) Substrate : F16-Ferrite Type
- (4) Frequency : R0-13.56MHz (RFID, HF Band)
- (5) Suffix : 002

### 3. Electrical Specification :

| Electrical Specification         |                         |
|----------------------------------|-------------------------|
| Operating Center Frequency (MHz) | 13.56                   |
| Operating Frequency Range (MHz)  | 12 ~15                  |
| VSWR                             | ≤ 3 (@13.56MHz)         |
| Dimension* (mm)                  | 80x100x0.36 (L x W x H) |

UNLESS OTHER SPECIFIED TOLERANCES ON :

X = ±      X.X = ±      X.XX =

ANGLES = ±      HOLE DIA = ±



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/A

UNIT : mm

DRAWN BY : 涂正憲

CHECKED BY : 鄭榮謀

DESIGNED BY : 鍾政全

APPROVED BY : 許博凱

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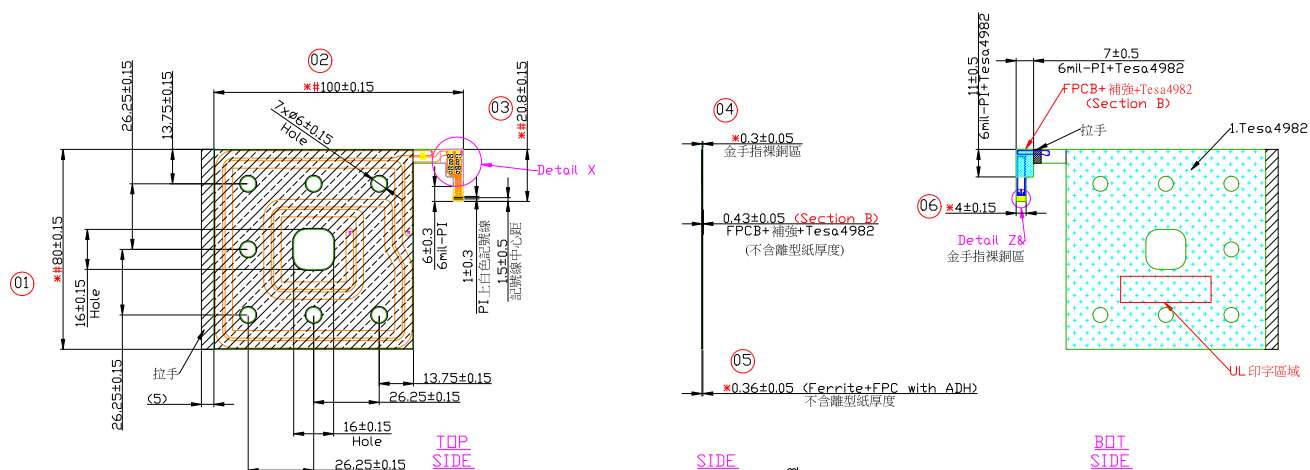
TITLE : NF-C-F16-R0-002 Specification

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SPEC REV.  
P0

#### 4. Dimensions : (Unit : mm)



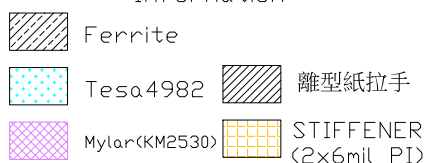
NOTE:

1. PAD 區，表面處理鍍金 (金≥0.05μm，鍍2~7μm)  
PAD SURFACE TREATMENT: Gold plated (Au≥0.05μm, Ni2~7μm)  
1-2. FPCB 正反黑色覆蓋膜  
FPCB Front and back black cover film
2. 外觀標準：依INPAQ檢驗標準出貨。  
Appearance standard be mainly with inpaq.
3. 工程圖上“\*”號為重點尺寸標註指示  
Mark “\*” are the key dimensions.
4. 工程圖上“#”號為CPK量測尺寸標註指示  
Mark “#” are CPK dimensions.
5. IQC&OQC 只需量測球標重點尺寸&CPK\_FQC全尺寸  
Ball marl KEY&CPK dimensions for IQC&OQC.  
FQC full-size.

|    |               |    |       |     |      |
|----|---------------|----|-------|-----|------|
| R1 | 2.2K $\Omega$ | C1 | 150pF | C6  | 47pF |
| R2 | 2.2K $\Omega$ | C2 | 150pF | C7  | 3pF  |
| R3 | 0 $\Omega$    | C3 | -     | C8  | 3pF  |
| R4 | 0 $\Omega$    | C4 | -     | C9  | 10pF |
|    |               | C5 | 47pF  | C10 | 10pF |

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Information:



Drawing Rev.P0

| ITEM | DESCRIPTION        | MATERIAL SPECIFICATION       | QUANTITY | UNIT |
|------|--------------------|------------------------------|----------|------|
| 1    | FPCB with adhesive | 5.4x22.31xT0.24mm            | 1        | PCS  |
| 2    | WR04X000PTL        | R,0402,1/16W,0 ohm/T5%       | 2        | PCS  |
| 3    | WR04X222JTL        | R,0402 1/16W,2.2K ohm/T5%    | 2        | PCS  |
| 4    | 0402N3R0A500       | C,C0402,NPO/50V,3pF,T±0.05pF | 2        | PCS  |
| 5    | 0402N100J500       | C,C0402,NPO/50V,10PF,T±5%    | 2        | PCS  |
| 6    | 0402N470J500       | C,C0402,NPO/50V,47pF,T±5%    | 2        | PCS  |
| 7    | 0402N151G500CT     | C,0402,C0G/50V,150pF,T±2%    | 2        | PCS  |
| 8    | Mylar              | KM2530                       | 1        | PCS  |
| 9    | Ferrite            | 79.6x79.6xT0.12mm            | 1        | PCS  |

UNLESS OTHER SPECIFIED TOLERANCES ON :

$$\mathbf{X} = \pm \quad \mathbf{X} \cdot \mathbf{X} = \pm \quad \mathbf{X} \cdot \mathbf{X} \mathbf{X} =$$

ANGLES = ±                      HOLE DIA = ±



**INPAQ TECHNOLOGY CO., LTD.**

**SCALE : N/A**

UNIT : mm

DRAWN BY: 涂正憲

CHECKED BY: 鄭榮謀

DESIGNED BY : 鍾政全

APPROVED BY : 許博凱

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**P0**