



客戶名稱 :  
CUSTOMER

光寶科技

Document No.: ENS000198120

Approval Sheet Rev.: A0

Spec. Rev. : P0

# 承認書

## APPROVAL SHEET

產品品名/Product Model No. : NF-W-F0-R2-04-002-1

客戶料號/Customer No. : 20301-002330B000

專案名稱/Project Name: EO5003

發行日期/ Issue Date : 2024/08/08

承認日期/ Approved Date :

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



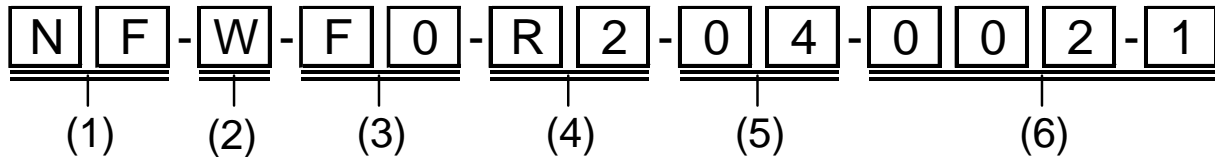
INPAQ WEB

# NF-W-F0-R2-04-002-1 Specification

## 1. Applications :

Near Field Communication (NFC) 、RFID

## 2. Explanation of Part Number :



- (1) Product type : Near Field Communication
- (2) Material : Metal
- (3) Substrate : No-Ferrite Type
- (4) Frequency : R2-125KHz (RFID, LF Band)
- (5) Cable Specification : Red & Black
- (6) Suffix : 002-1

## 3. Electrical Specification :

Electrical Specification	
Operating Center Frequency (KHz)	125
Operating Frequency Range (KHz)	100 ~150
Antenna Inductance*(nH)	800±40 (@125KHz)
Antenna Resistance*(mΩ)	≤15 (@125KHz)
Dimension* (mm)	73.64x120.41x1.9 (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

THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION

TITLE : NF-W-F0-R2-04-002-1 Specification

DOCUMENT NO.

**ENS000198120**

SPEC REV.  
**P0**

# Test item list

<b>ITEMS</b>	<b>PAGE</b>
高温高湿试验	2
冷热冲击试验	3
盐雾试验	4
接头拉力测试	5

**Date: 2024-3-14**

## 高温高湿试验

<b>Product Type :</b>	NF-W-F0-R2-04-001-2		
<b>Lot No. :</b>	N/A	<b>Sample Size :</b>	3 pcs
<b>Judgment Criteria :</b>	外观无异常; 电性符合规格;		
<b>Test Condition :</b>	60±2℃, 90±2%RH, 24hrs;		
<b>Equipment :</b>	恒温恒湿机		

**Result :**

编号	Before test		After test	
	Ls(uH)	DCR(Ω)	Ls(uH)	DCR(Ω)
	800±40	≤15	800±40	≤15
1	788	10.22	782	10.25
2	780	10.52	785	10.23
3	787	10.59	782	10.24

**Judgment :**           OK          

**Inspector :**           王紅麗          

**Approver :**           吉金娟

## 冷热冲击试验

<b>Product Type :</b>	NF-W-F0-R2-04-002		
<b>Lot No. :</b>	N/A	<b>Sample Size :</b>	3 pcs
<b>Judgment Criteria :</b>	外观无异常; 电性符合规格;		
<b>Test Condition :</b>	-40℃, 0.5 hrs<- (5mins) -> 85℃, 0.5hrs; 测试 50 cycles;		
<b>Equipment :</b>	冷热冲击机		

**Result :**

编号	Before test		After test	
	Ls(uH)	DCR(Ω)	Ls(uH)	DCR(Ω)
	800±40	≤15	800±40	≤15
4	810	10.63	807	10.87
5	812	10.64	806	10.89
6	811	10.72	807	10.89

**Judgment :**           OK          

**Inspector :**           王紅麗          

**Approver :**           吉金娟



# Appliance Wiring Material - Component

**COMPANY**

**SUZHOU RENDE TECHNOLOGY CO LTD**

Zhoushan Rd  
 Taihu National Tourism Vacation Zone  
 Suzhou, Jiangsu Sheng 215000 China

E308142

**Table of Recognized Styles**

<b>Single-conductor, thermoplastic insulation</b>							
1007	1371	1589	1814	1894	10102	10286	10801
1015	1513	1591	1827	1901	10109	10309	10871
1061	1516	1592	1828	1920	10111	10368	11080
1185	1517	1609	1829	1927	10113	10369	11130
1226	1523	1610	1847	10005	10193	10518	11352
1227	1538	1644	1862	10007	10212	10533	11353
1330	1558	1646	1863	10063	10231	10584	11949
1331	1569	1671	1864	10064	10239	10602	12024
1332	1571	1723	1867	10072	10248	10603	
1333	1577	1766	1886	10086	10277	10797	
1354	1586	1792	1887	10101	10278	10800	
<b>Multiple-conductor, thermoplastic insulation</b>							
2464	2725	2990	20379	21118	22452		
2468	2835	20276	21100	22451			
<b>Single-conductor, thermoset insulation</b>							
3173	3266	3272	3346	3363	3385	3619	
3265	3271	3302	3347	3383	3386		

Marking: Company name, voltage rating, temperature rating, conductor size, conductor material if other than copper,.

Last Updated on 2023-07-05

在此資料庫中出現的公司名稱或產品，並不代表其產品本身的製造有經過UL 後續檢驗服務的把關。僅有附 UL 標誌的產品才可被視為取得認證，並涵蓋在UL 後續檢驗服務範疇裡。請務必確認產品上是否有此標誌。

UL 允許複製線上認證目錄中所包含的資料，但必須符合以下條件：1.指南資訊、零組件、構造、設計、系統和/或認證 (檔案) 必須以完整的方式呈現，且不得誤導、不得操弄這些資料 (或圖繪)。2.「經 UL 許可自線上認證目錄轉載」的聲明，必須顯示在擷取的資料旁。此外，轉載的資料必須包含以下格式的版權聲明："©2024 UL LLC."



## Model Style 10064

Subj.758  
Section 1  
Page 10064

Issued: 1989-07-05  
Revised: 2013-08-02

Style 10064                      Single conductor with extruded insulation

<b>RATING</b>	105 deg C, 30 Vac.
<b>CONDUCTOR</b>	40 AWG minimum, solid or stranded.
<b>INSULATION</b>	Solid or Foamed Extruded ETFE, FEP, PFA or PTFE, materials may be blended. 2 mils minimum thickness at any point, 100 mils maximum thickness.
<b>STANDARD</b>	Appliance Wiring Material UL 758.
<b>MARKING</b>	General.
<b>USE</b>	For further processing as insulated singles in internal or external interconnection cables for use in Class 2 circuits of electronic equipment.

在此資料庫中出現的公司名稱或產品，並不代表其產品本身的製造有經過UL 後續檢驗服務的把關。僅有附 UL 標誌的產品才可被視為取得認證，並涵蓋在UL 後續檢驗服務範疇裡。請務必確認產品上是否有此標誌。

UL 允許複製線上認證目錄中所包含的資料，但必須符合以下條件：1.指南資訊、零組件、構造、設計、系統和/或認證 (檔案) 必須以完整的方式呈現，且不得誤導、不得操弄這些資料 (或圖繪)。2.「經 UL 許可自線上認證目錄轉載」的聲明，必須顯示在擷取的資料旁。此外，轉載的資料必須包含以下格式的版權聲明：“©2024 UL LLC.”