

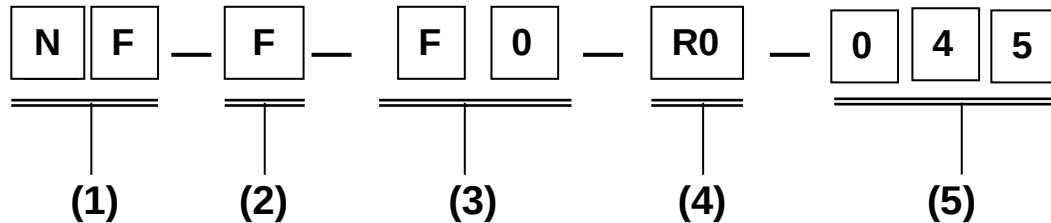
[illegible]

NF-F-F0-R0-045 Specification

1. Applications

Near Field Communication (NFC) 、RFID

2. Explanation of Part Number



- (1) Product type: NF-Near Field Communication
- (2) Material: FPCB
- (3) Substrate: F0
- (4) Frequency: R0-13.56MHz (RFID, HF Band)
- (5) Suffix : 045

3. Electrical Specification

Electrical Specification*	
Center Frequency (MHz)	13.56
Frequency Range (MHz)	12 ~15

*Single NFC antenna measurement result

电气规格(成品):

测试频率	100KHZ, 1V
------	------------

UNLESS OTHER SPECIFIED TOLERANCES ON :

X=± X.X=± X.XX=±

ANGLES=± HOLEDIA=±



INPAQ TECHNOLOGY CO., LTD.

SCALE :

UNIT : mm

DRAWN BY : 许叶祯

CHECKED BY : 张海洋

DESIGNED BY : 周煜

APPROVED BY : 何幼青

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-F-F0-R0-045 Specification

DOCUMENT
NO.

ENS000204500

PAGE REV.
A0

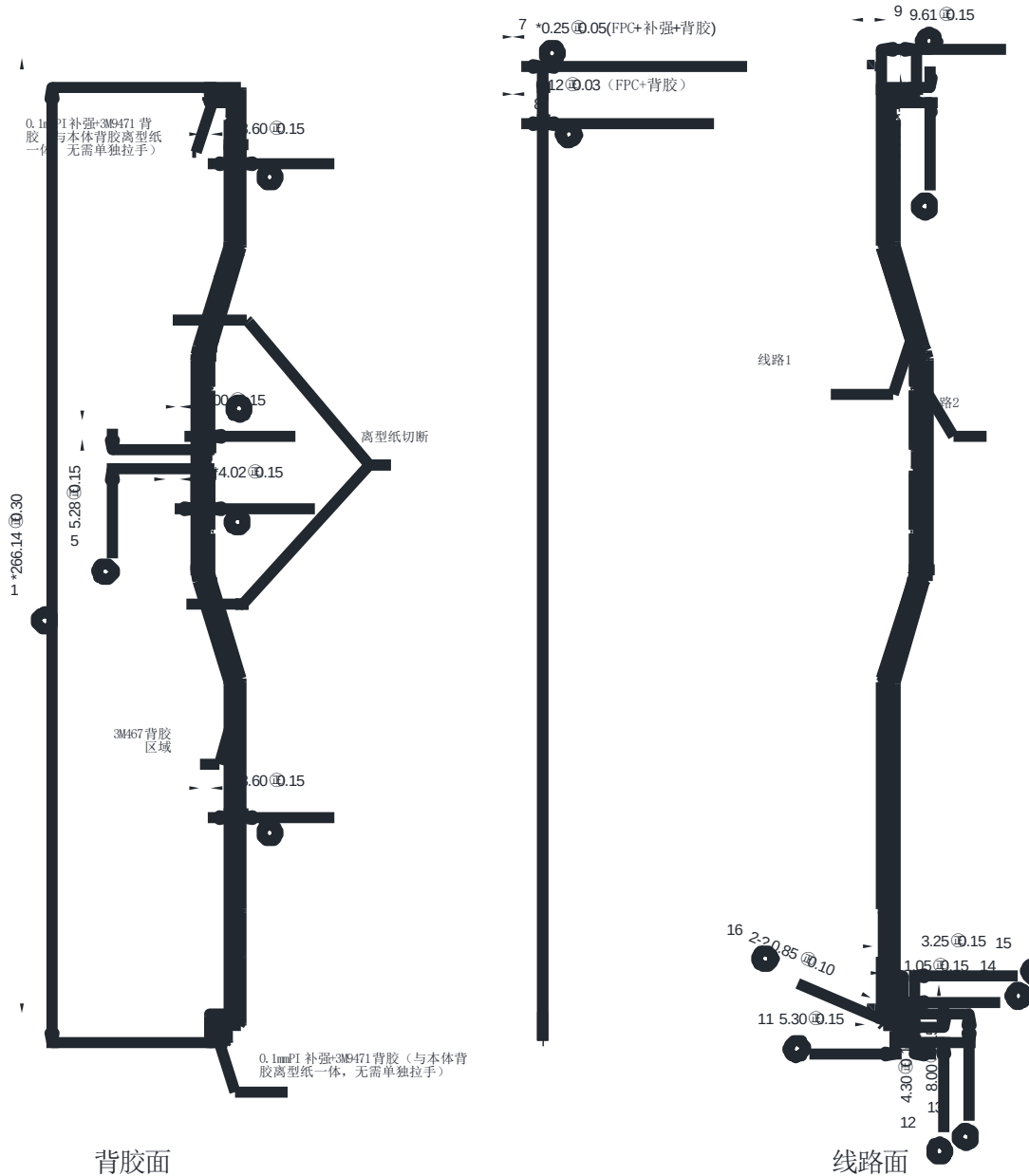
DCR

 $410\text{ M}\Omega \leq \text{DCR} \leq 700\text{m}\Omega$
(两条线路)

4. Structural Drawings

4.1 Dimensions

"*" is the outgoing inspection size.



Notel:

1. 类型: 单面板
2. 厚度: $T=0.12 \pm 0.03\text{mm}$;

UNLESS OTHER SPECIFIED TOLERANCES ON :

$X=\pm$

$X.X=\pm$

$X.XX=\pm$

ANGLES $=\pm$

HOLEDIA $=\pm$



INPAQ TECHNOLOGY CO., LTD.

SCALE :

UNIT : mm

DRAWN BY : 许叶祯

CHECKED BY : 张海洋

DESIGNED BY : 周煜

APPROVED BY : 何幼青

DOCUMENT
NO.

ENS000204500

PAGE REV.
A0

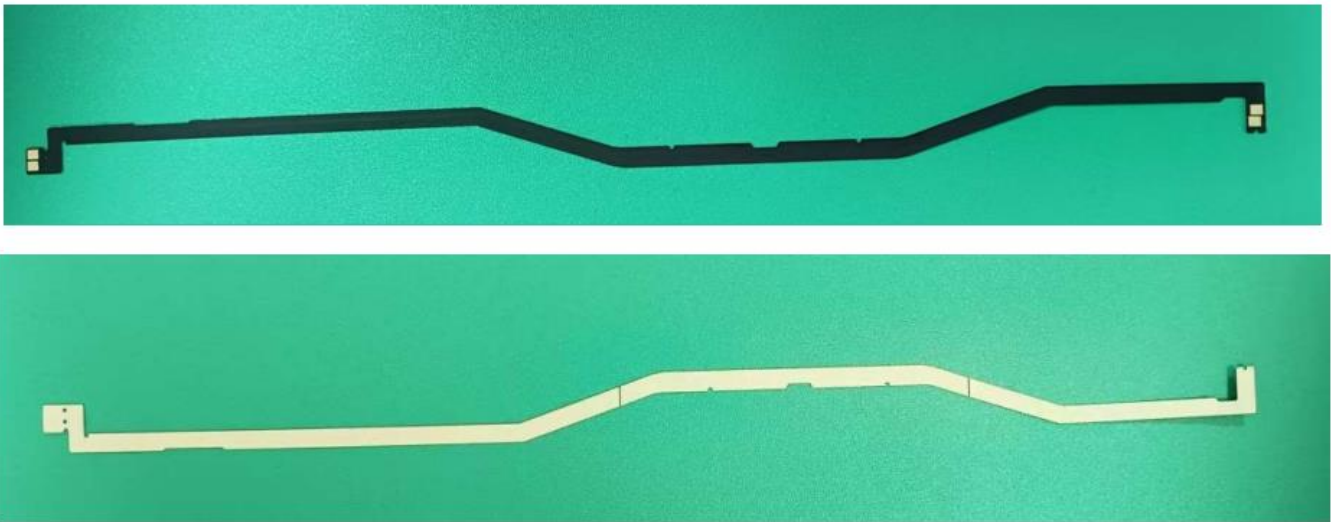
TITLE : NF-F-F0-R0-045 Specification

3. 材质:
- 背胶: 3M467/3M9471;
 - 铜箔: ED 铜 0.5oz;
 - 基材: PI 1 mil 有胶;
 - 表面处理: 表面黑色油墨, 白色字符;
 - 金手指镀金, 满足盐雾 24H;
 - 电性规格: $410 \leq DCR \leq 700m\Omega$ (线路 1/线路 2)

技术要求:

- 外观标准依照 INPAQ <FPC 通用 SIP>: Grade 2
需完整无破损, 不可有脏污、褶皱、溢胶、溢墨、漏铜、气泡、毛边等情形。
- 未标记尺寸依照 2D 或 3D 图档, 未注公差依照如下:
 - 线路与线路 ± 0.05 ;
 - 线路与外形 $\pm 0.15mm$;
 - 外形公差 $\pm 0.15mm$;
 - 孔径及孔间距 $\pm 0.1mm$;
 - 孔与外形 $\pm 0.15mm$
 - 阻焊油墨/覆盖膜/补强板位置公差 $\pm 0.3mm$;
 - 丝印位置公差 $\pm 0.3mm$
- 工程圖上"#"为 CPK 控制尺寸, "*"號為入料检验尺寸, "0"球标为全尺寸標註指示。
- 产品符合 RoHS2.0+HF+TSCA+REACH 要求, 符合禾邦《I-WI-21-01 HSF 技術標準》的要求。

5. Product picture



UNLESS OTHER SPECIFIED TOLERANCES ON :		 INPAQ TECHNOLOGY CO., LTD.	
X=±	X.X=±	X.XX=±	
ANGLES=±		HOLEDIA=±	
SCALE :	UNIT : mm	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	
DRAWN BY : 许叶祯	CHECKED BY : 张海洋		
DESIGNED BY : 周煜	APPROVED BY : 何幼青		
TITLE : NF-F-F0-R0-045 Specification		DOCUMENT NO.	ENS000204500
			PAGE REV. A0