

# Chinmore Industry Co.,Ltd.

## 1. SCOPE

Chinmore's customized **FR4 Single-Band Antenna** covers the 13.56MHz.

## 2. Name of the product

This product number is EG-IPX113PCB-4477

## 3. MECHENICAL & ENVIRONMENT CHARACTERISTIC

### 3.1 High Temp. Storage

Expose the antenna to +70°C,RH95% for 24hours soak then check it against our specifications.

**Table 1**

No	Parameter	Specification
1	Work Frequency	13.56MHz
2	VSWR	3.5 max (@center frequency)
3	Dimension	26.5*30*0.6mm
4	Polarization	Linear
5	Impedance	50 Ohm
6	Operating Temperature	-30~+80°C

### 3.2 Low Temp. Storage

Expose the antenna to -40°C for 24hours soak then check it against our specifications.

### 3.3 Low-temperature Operation

Expose the specimen to -30°C for 16 hours and then to normal temperature/humidity for 24 hours or more. After that examine the appearance and functions.

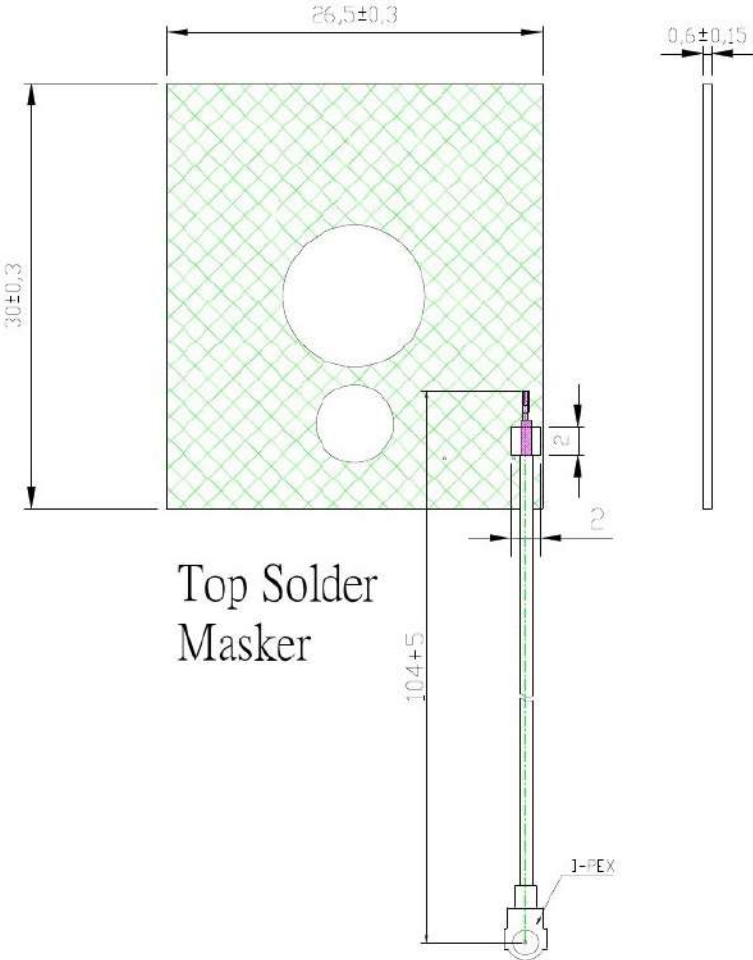
### 3.4 High-temperature Operation

Expose the specimen to +80°C for 16 hours and then to normal temperature/humidity for 24 hours or more. After that examine the appearance and functions.

### 3.5 Electrical characteristics

Operating Frequency range: 13.56MHz.

4.0 ME drawing:



Top Solder  
Masker

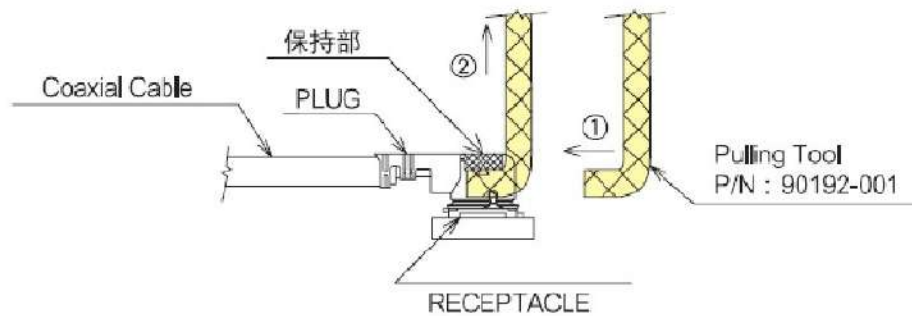
Unit:mm

## 5.0 Plugs Usage Precautions

### 5.1 Mating / unmating

(1) To disconnect connectors, insert the end portion of I-PEX under the connector flanges and pull off vertically, in the direction of the connector mating axis.

(2) To mate the connectors, the mating axes of both connectors must be aligned and the connectors can be mated. The "click" will confirm fully mated connection. Do not attempt to insert on an extreme angle.



### 5.2 Pull forces on the cable after connectors are mated

After the connectors are mating, do not apply a load to the cable in excess of the values indicated in the diagram below.

