

|                                                                                  |                 |               |
|----------------------------------------------------------------------------------|-----------------|---------------|
|  | Date 09/28/2018 | Version No. A |
|----------------------------------------------------------------------------------|-----------------|---------------|

# 上海德门电子科技有限公司

## SHANGHAI DEMAN ELECTRONICS TECHNOLOGY CO.,LTD.

### 产品规格书

### PRODUCT SPECIFICATION

|                                |                 |
|--------------------------------|-----------------|
| 客户<br>Customer                 | 乐鑫              |
| 客户编码<br>Customer's part number |                 |
| 产品料号<br>Product Material Code  | TFPD07H09100011 |
| 工作频段<br>Working Band           | 2400-2500MHz    |
| 发行日期<br>Issue Date             | 2018-09-28      |
| 发行版本<br>Release Version        | A               |
| 作者<br>Author                   | 汪龙              |

|                                                                                  |                            |                          |
|----------------------------------------------------------------------------------|----------------------------|--------------------------|
|  | Date            09/28/2018 | Version No.            A |
|----------------------------------------------------------------------------------|----------------------------|--------------------------|

## 1 产品技术指标（PRODUCT TECHNICAL SPECIFICATION）

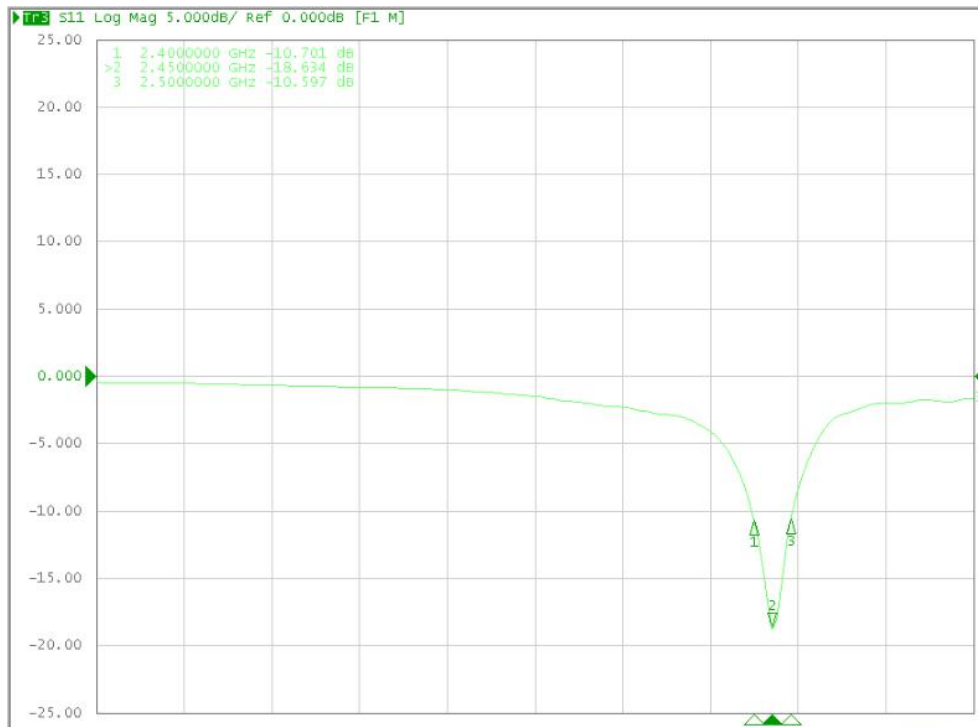
| 电性能指标 Electrical Specifications           |               |
|-------------------------------------------|---------------|
| 频率范围 Frequency Range (MHz)                | 2400-2500     |
| 频带宽度 Bandwidth (MHz)                      | 100           |
| 输入阻抗 Input Impedence ( $\Omega$ )         | 50            |
| 电压驻波比 VSWR                                | <2.5          |
| 增益 Gain (dBi)                             | >1.0          |
| 极化形式 Polarization Type                    | 垂直极化 Vertical |
|                                           |               |
| 机械指标 Mechanical Specifications            |               |
| 天线长度 Antenna Length (mm)                  | 13.75mm       |
| 连接方式 Connection Mode                      | 焊接 Welding    |
| 工作温度 Operatin Temp ( $^{\circ}\text{C}$ ) | -30~70        |
| 储存温度 Storing Temp( $^{\circ}\text{C}$ )   | -30~70        |
| 外壳颜色 Radome Color                         | 银色 Silver     |

## 2 产品电性能参数（PRODUCT ELECTRICAL PERFORMANCE PARAMETER）

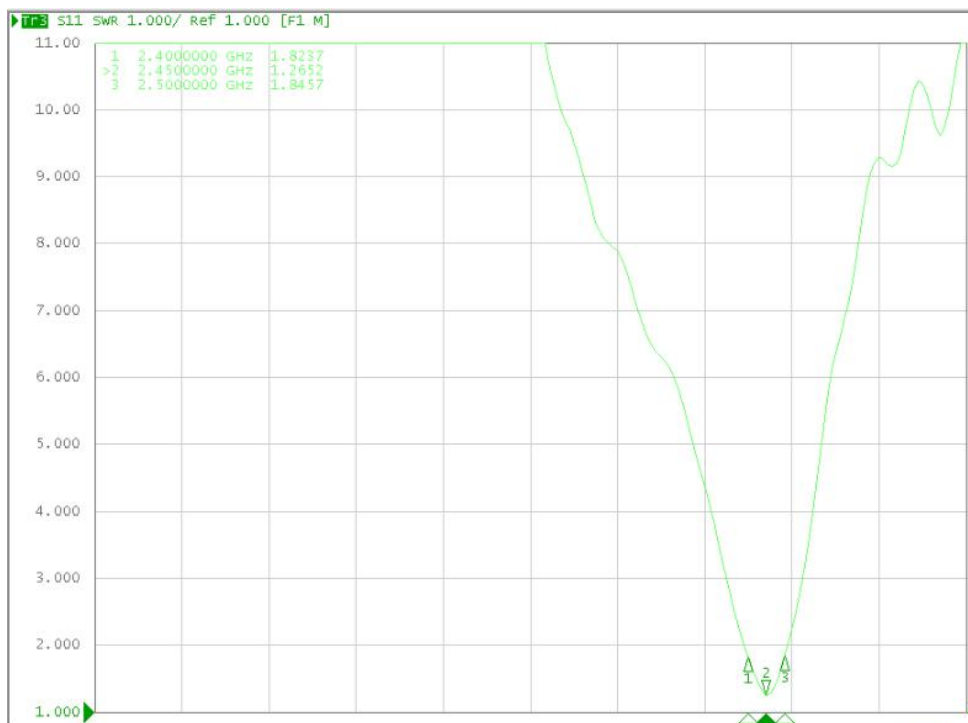
### 2.1 产品图片（Product picture）



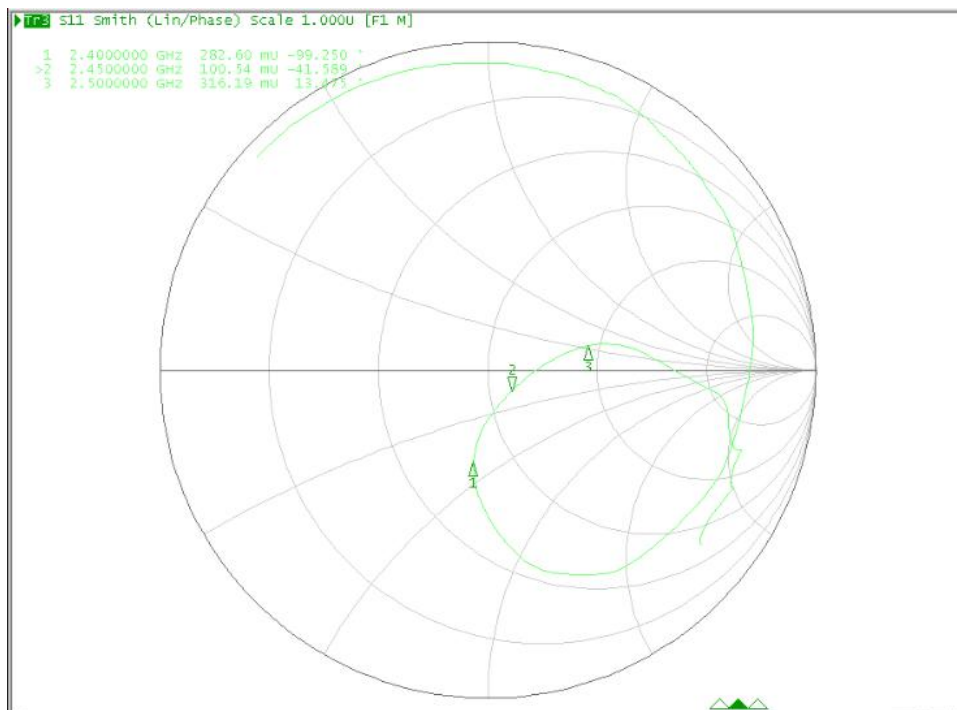
### 2.2 反射损耗（S11）



## 2.3 驻波比 (VSWR)



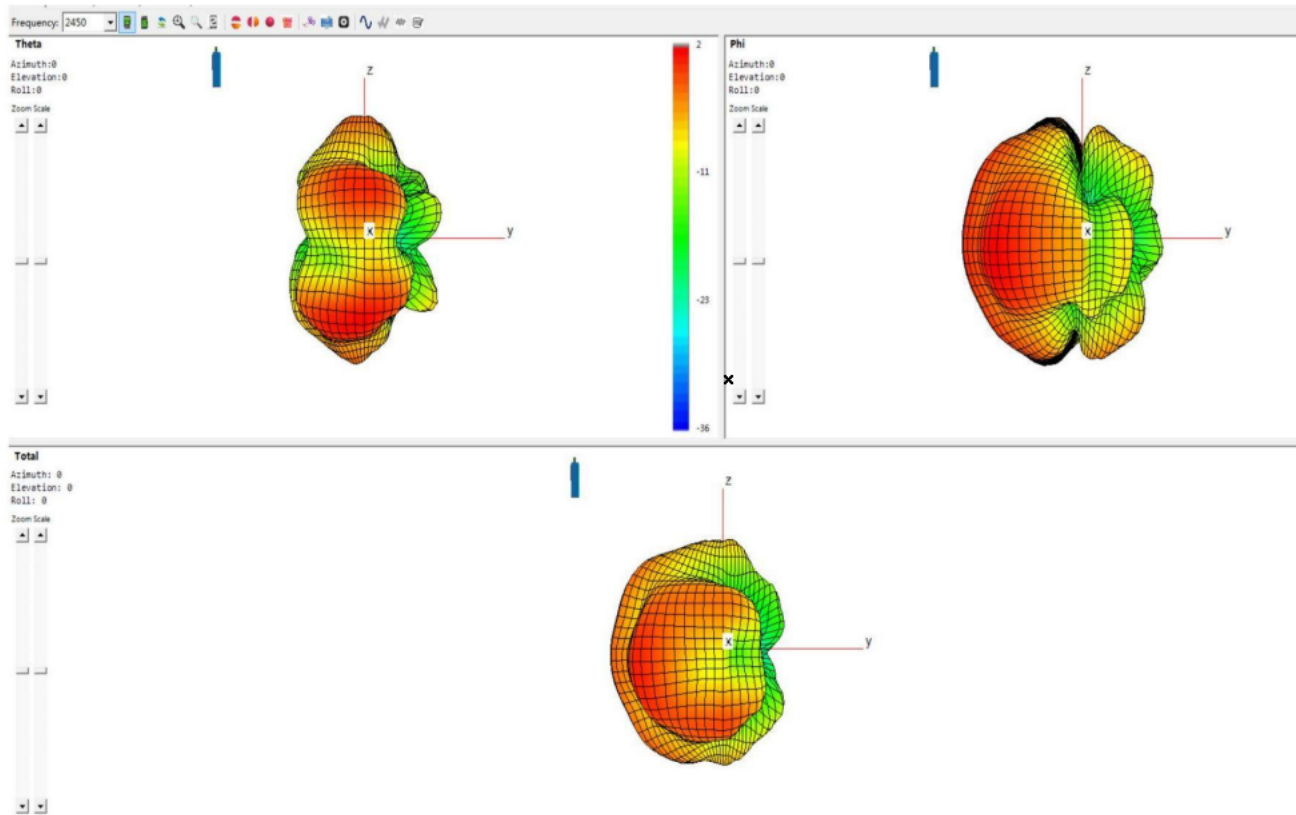
## 2.4 史密斯图 (Smith Chart)



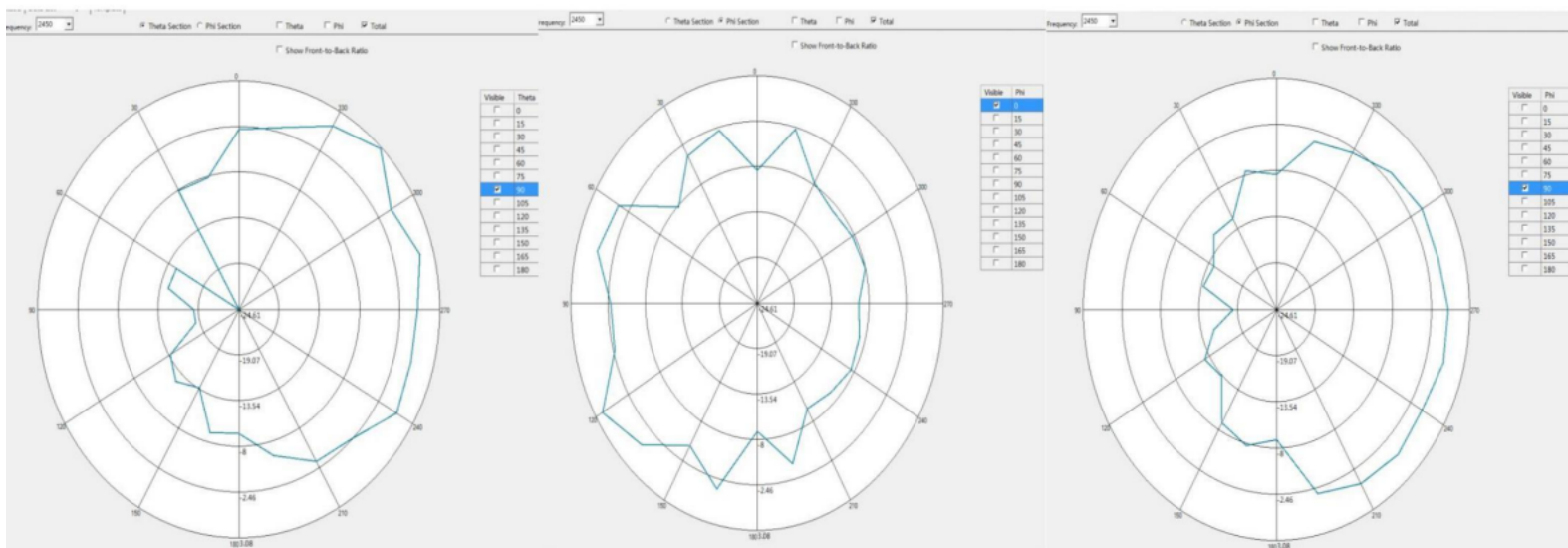
## 2.5 效率、增益 (Efficiency/Gain)

| Freq. (MHz) | Gain(dBi) | Effi. (%) |
|-------------|-----------|-----------|
| 2400        | 1.94      | 56.04     |
| 2410        | 2.02      | 57.32     |
| 2420        | 2.39      | 61.25     |
| 2430        | 2.46      | 61.67     |
| 2440        | 2.42      | 63.55     |
| 2450        | 2.26      | 63.16     |
| 2460        | 2.30      | 63.47     |
| 2470        | 2.10      | 62.04     |
| 2480        | 2.23      | 61.82     |
| 2490        | 1.96      | 59.30     |
| 2500        | 1.85      | 56.17     |
| Avg.        | 2.17      | 60.52     |

## 3D



## 2D



## 3 产品尺寸 (Product dimensions)

