

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

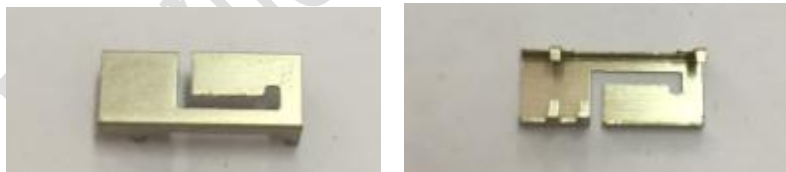
| | |
|--------------------------------|-----------------|
| 客户 Customer | 乐鑫 |
| 客户编码 Customer's part number | |
| 产品料号 Product Material Code | TFPD07H09100011 |
| 工作频段 Working Band | 2400-2500MHz |
| 发行日期 Issue Date | 2018-09-28 |
| 发行版本 Release Version | A |
| 作者 Author | 汪龙 |

1 产品技术指标 (PRODUCT TECHNICAL SPECIFICATION)

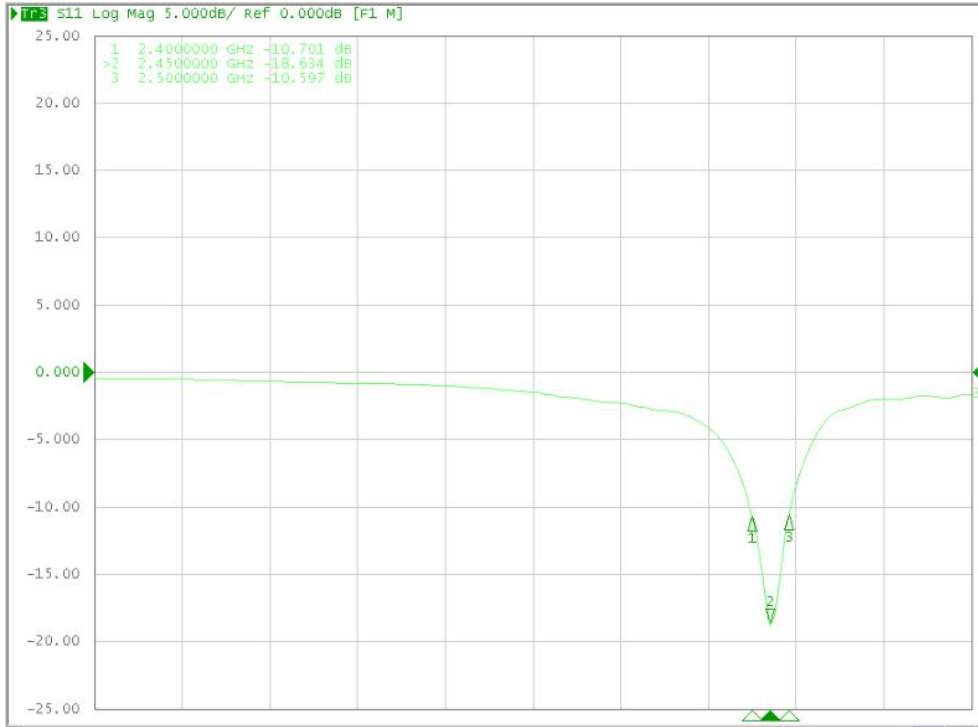
| 电性能指标 Electrical Specifications | |
|---|---------------|
| 频率范围 Frequency Range (MHz) | 2400-2500 |
| 频带宽度 Bandwidth (MHz) | 100 |
| 输入阻抗 Input Impedence (Ω) | 50 |
| 电压驻波比 VSWR | <2.5 |
| 增益 Gain (dBi) | >1.0 |
| 极化形式 Polarization Type | 垂直极化 Vertical |
| 机械指标 Mechanical Specifications | |
| 天线长度 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)

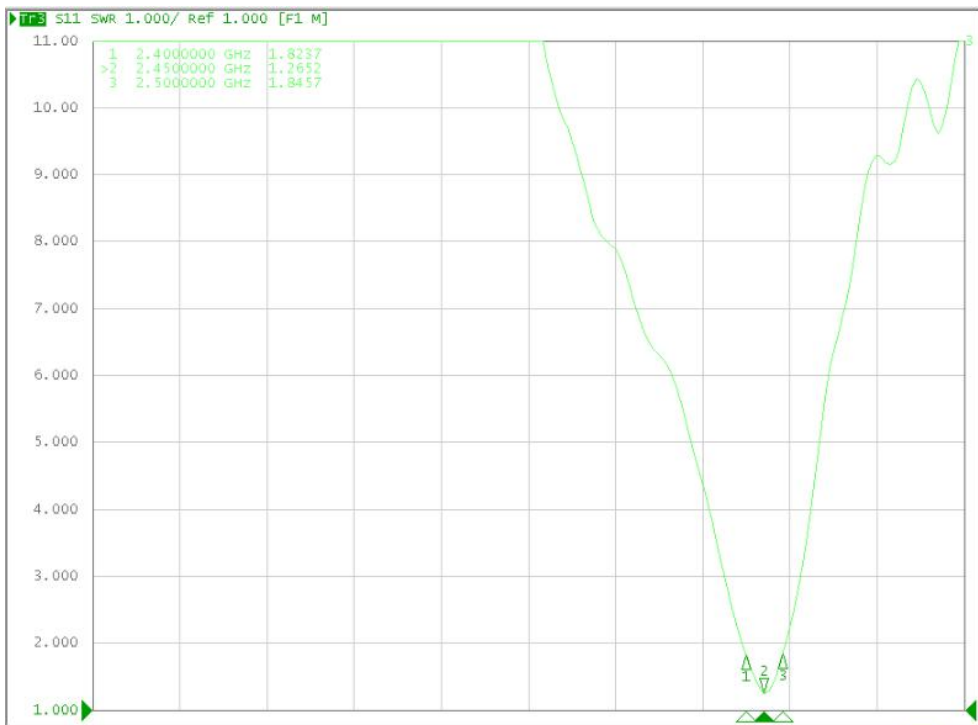
2.1 产品图片 (Product picture)



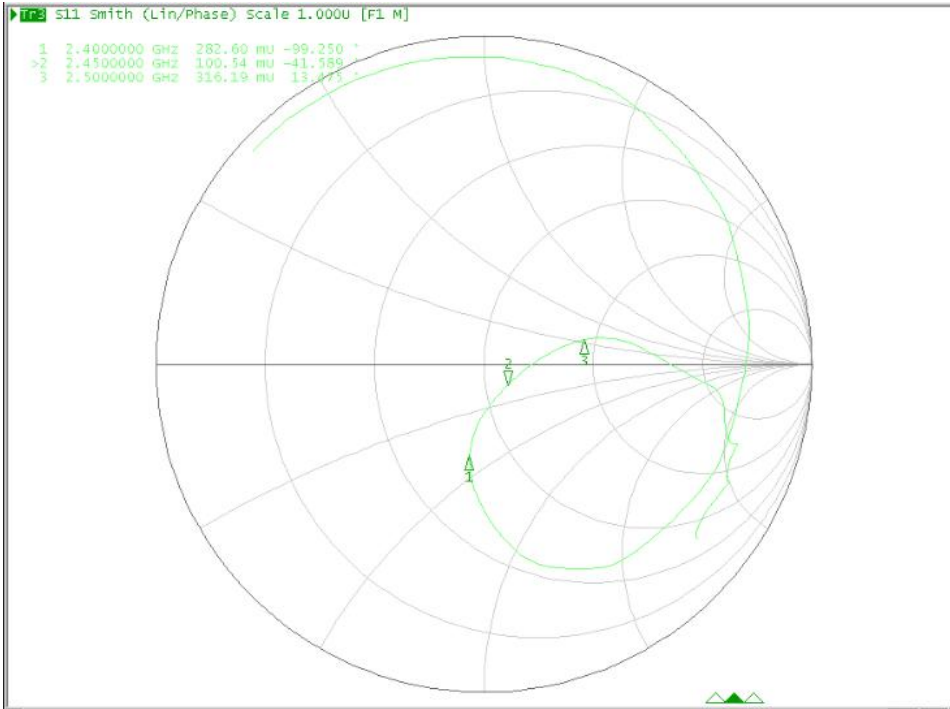
2.2 反射损耗 (S11)



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 |

3 产品尺寸 (Product dimensions)

