



Date 08/12/2021

Version No.

B

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	
客户编码 Customer's part number	
产品料号 Product Material Code	TFPD08H10060011
发行日期 Issue Date	2021-8-12
发行版本 Release Version	B
作者 Author	汪龙

联系人 Contacts:

主立建 Wangjian	wanglijian@deman-china.com	13916613851
葛婷婷 getintin	Getingtting@deman-china.com	18756472140

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
最大功率 Max power (W)	1
频带宽度 Band width (MHz)	100
输入阻抗 Input Impedance (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
方向性 Directionality	全向 Omnidirectional
机械指标 Mechanical Specifications	
外部尺寸 External Dimensions (L×W) (mm)	100×5.2
连接方式 Connection Mode	IpeX 三代
工作温度 Operatin Temp (°C)	-30~70
储存温度 Storing Temp (°C)	-30~70
外壳颜色 Radome Color	黑色 Black
天线类型 Antenna Type	套筒极天线 sleeve monopole antenna

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

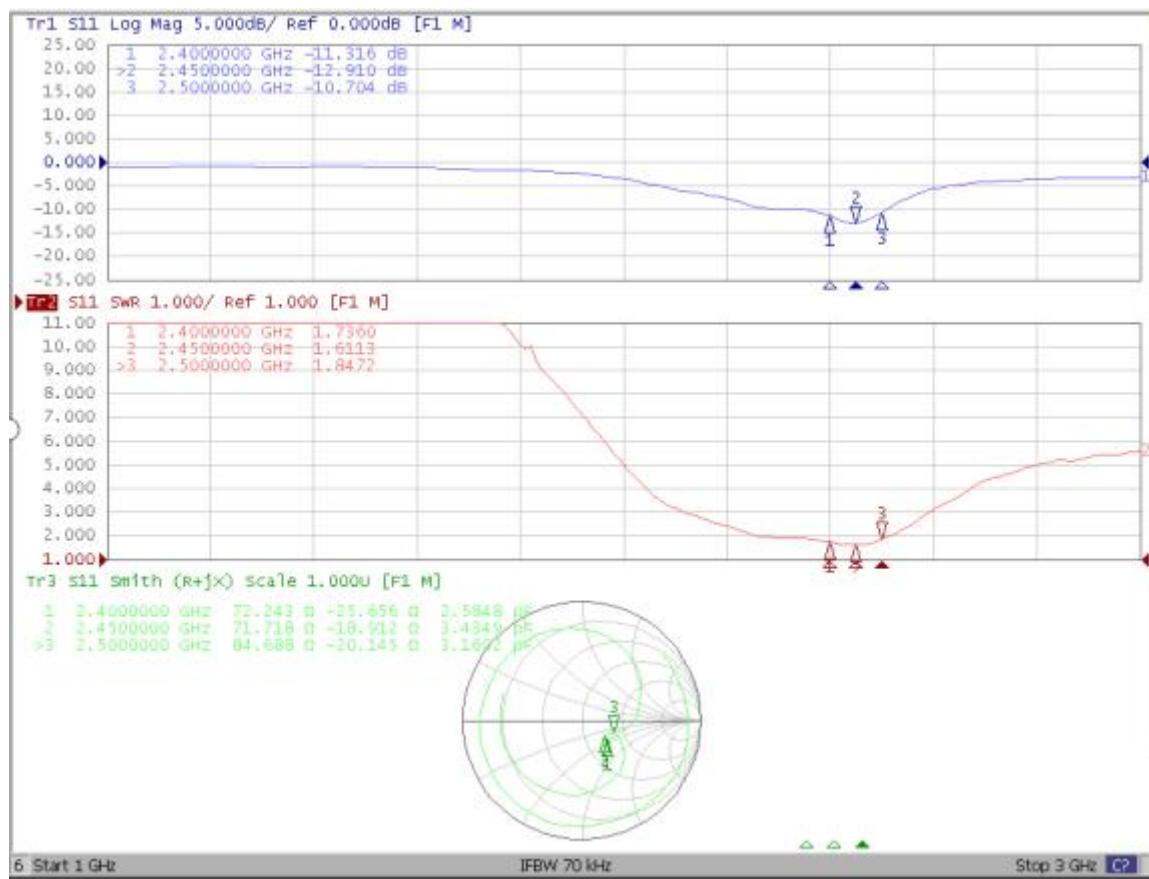
2.1 产品图片 (Product picture)



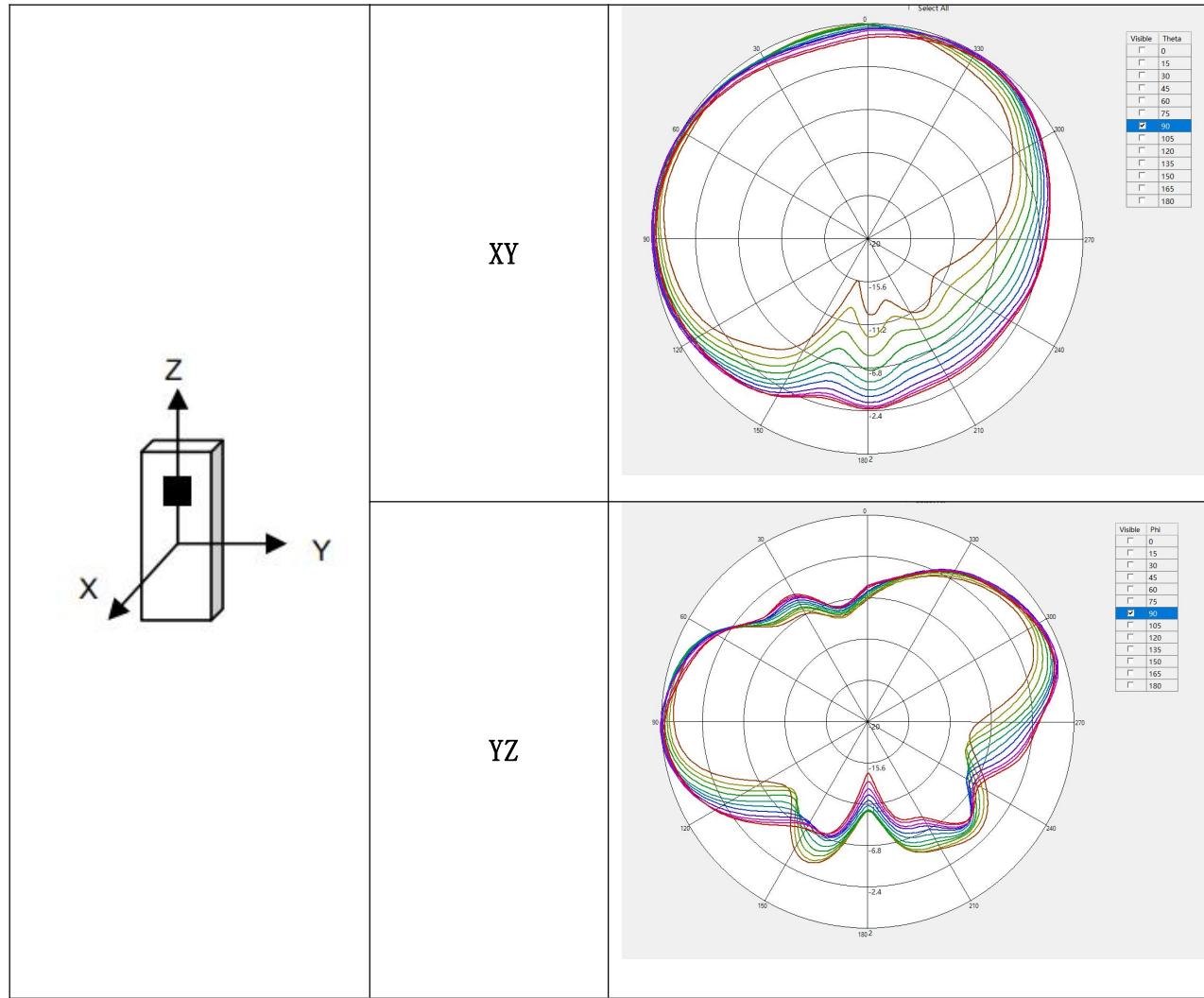
2.2 效率、增益 (Efficiency/Gain)

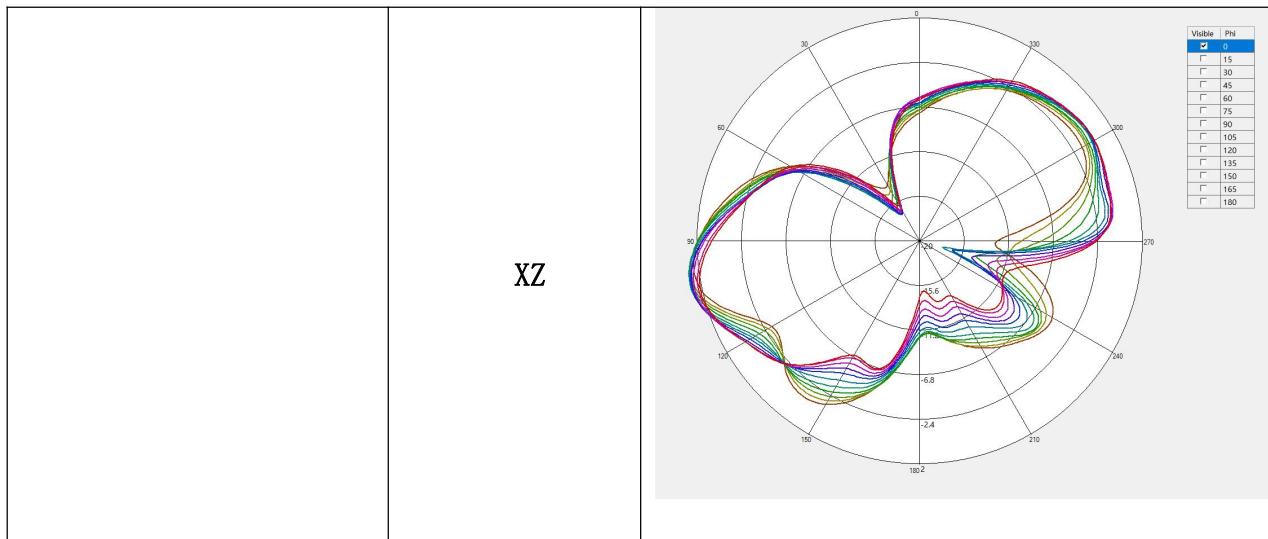
Freq. (MHz)	Effi (%)	Gain (dBi)
2400	78	2.17
2410	78	2.19
2420	79	2.31
2430	79	2.26
2440	78	2.21
2450	79	2.33
2460	78	2.32
2470	76	2.14
2480	75	2.05
2490	74	2.02
2500	72	1.83
Avg.	77	2.17

2.3 驻波比(VSWR)&反射损耗(Return Loss)&史密斯图(Smith Chart)



2.4 方向性图 (Directivity Diagram)





3 产品尺寸 (Product dimensions)

SEQ NO.	REVNO	DATE	DESCRIPTION OF CHANGE	ECN NO.	Appr. NO.
DA-1	2020-07-20	首次发行(试产)			

技术要求:

- 100% 的开路和短路测试:耐压: AC 500V, 绝缘: DC 500MΩ
- 标有*的尺寸为重点检验尺寸
- 材料符合ROHS 标准

DRAWN BY	蒋帆	20200720	NOTATIONAL	QUANTITY	FINISH	REMARKS
CHECKED BY	江龙	20200720	3rd ANGLE PROJECTION	SIZE IS A4	TITLE 2.4G WIFI 天线	
CHECKED BY	黎慧	20200720		UNITS mm		
APPROVED BY				SCALE		
Deman <i>Deman Electronics R&D Center</i>				TOLERANCES UNLESS OTHERWISE SPECIFIED	MODEL NAME	REV.
				HOLE DIA. VARIATION ±0.05	H1006	DA-1
				ANGULAR DIMENSION ±1.00°	DRAWING NUMBER	SHEET
				◎ DIMENSIONS IN MILLIMETERS (MM)		
				THIS NOTICE DOES NOT APPLY TO PART NUMBER	PART CODE NUMBER	TPPD09H10060011
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