



Date	31/07/2020	Version No.	A
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**SHANGHAI DEMAN
ELECTRONICS TECHNOLOGY
CO., LTD.**

PRODUCT SPECIFICATION

Customer	
Customer's Part Number	
Product Material Code	TFPD08H10060011
Working Band	2400 - 2500MHz
Issue Date	2020-07-31
Release Version	A
Author	Ping Zhang

Contacts:

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1 PRODUCT TECHNICAL SPECIFICATION

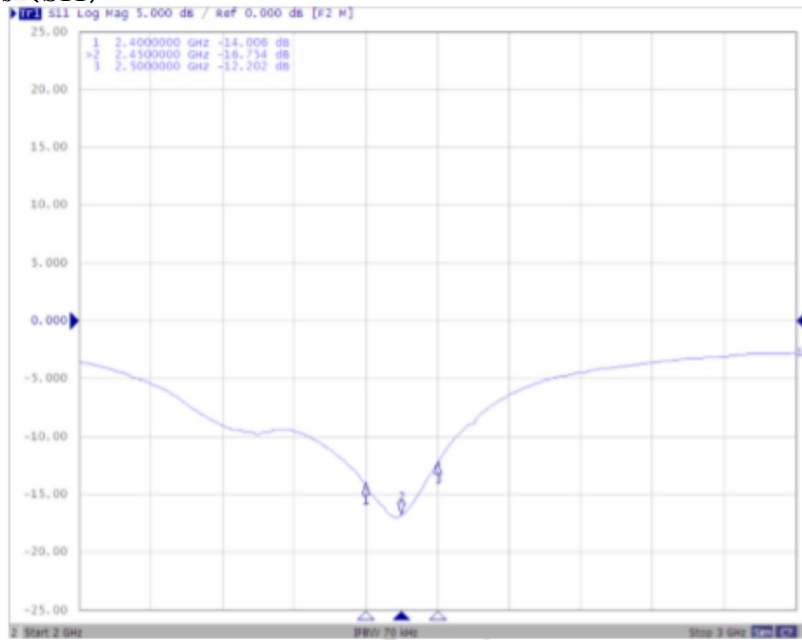
Electrical Specifications	
Frequency Range (MHz)	2400-2500
Frequency Bandwidth (MHz)	100
Input Impedance (Q)	50
VSIR	<2.5
Gain (dBi)	>1.0
Polarization Type	Vertical Polarization
Mechanical Specifications	
Antenna Length (mm)	100mm
Connect Type	IPEX III
Operating Temp (°C)	-30-70
Storage Temp (°C)	-30-70
Radome Color	Black

2 PRODUCT ELECTRICAL PERFORMANCE PARAMETER

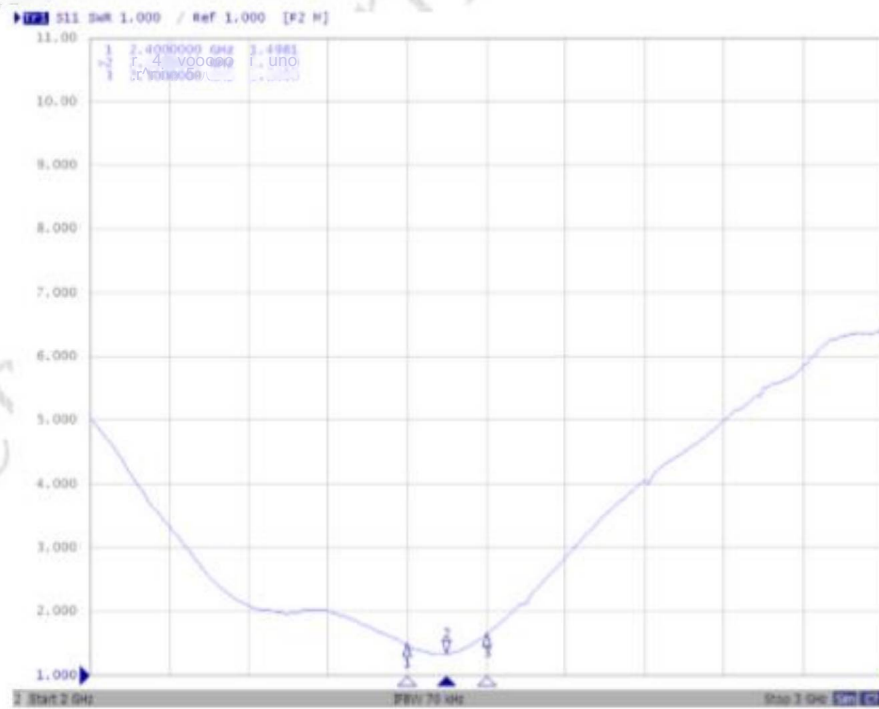
2.1 Product Picture



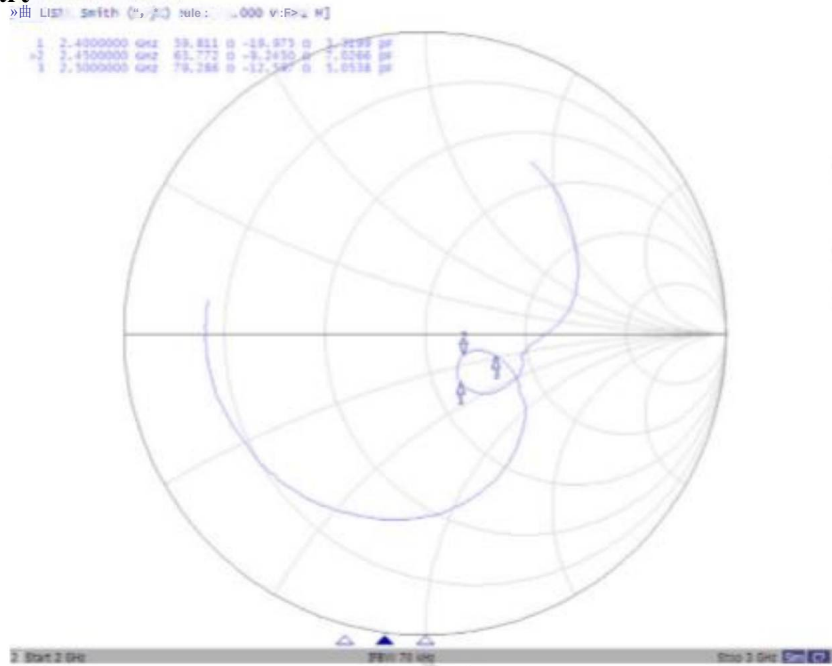
2.2 Return Loss (S11)



2.3 VSWR



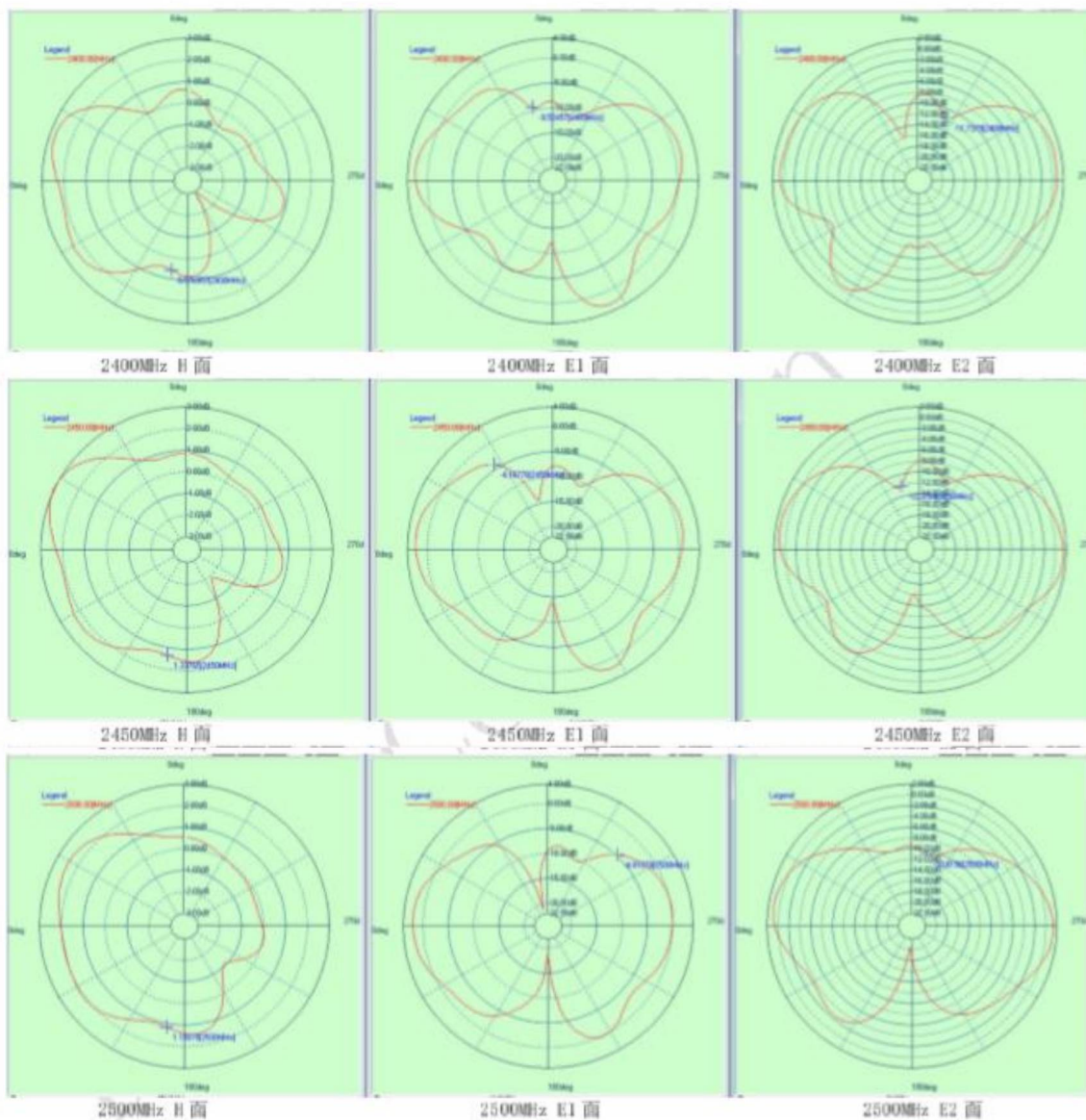
2.4 Smith Chart



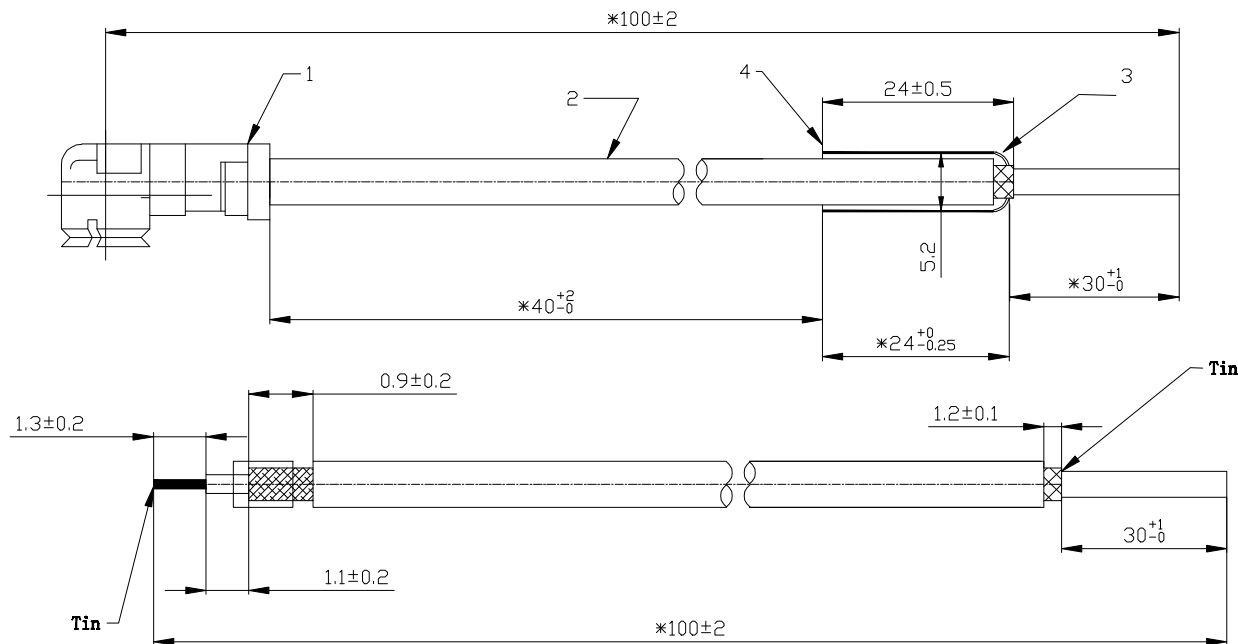
2.5 Efficiency/Gain

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

2.6 Directivity Diagram



SEQ. NO.	REV. NO.	DATE	DESCRIPTION OF CHANGE	ECN NO.	Appr. NO.
⚠ X	DA-1	2020-07-20			



4	Heat shrinkable tube	5.0		L=24mm
3	Copper pipe back plug	5.2*1.05*25.6	Au	1PCS
2	Ø0.81 Black tinned cable			L=100mm
1	Ø 0.81 III I-PEX		Au	1PCS
NO.	NAME		finish	QTY

Technical requirements:

1. 100% of open circuit and short circuit test: : voltage AC 500 v, insulation: DC 500 mΩ.
2. Dimensions marked with * are the key inspection dimensions.
3. The material conforms to ROHS standard.

DRAWN BY	Yang fan	20200720	MATERIAL	QUANTITY	1	FINISH	REMARKS	
CHECKED BY(RF)	Wang long	20200720	3rd ANGLE PROJECTION	SIZE	A4	TITLE		
CHECKED BY	Li peng	20200720	UNITS	SCALE	mm	2.4G WIFI		
APPROVED BY			TOLERANCES UNLESS OTHERWISE SPECIFIED			MODEL NAME	H1006	
			*.	HOLE DIA. VARIATION	±0.05	DRAWING NUMBER		
			**	ANGULAR DIMENSION	±1.00°	PART CODE NUMBER	TFPD08H10060011	
			***	© COPYRIGHT, Demam Electronics. 2007.04.01			REV.	DA-1
			****	THIS NOTICE DOES NOT IMPLY PUBLICATION			SHEET	1 of 1