

Deman	Date 09/28/2018	Version No. A
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SHANGHAIDEMANELECTRONICSTECHNOLOGYCO.,LTD.

PRODUCTSPECIFICATION

Customer	Espressif
Customer's part number	
Product Material Code	TFPD07H09100011
Working Band	2400-2500MHz
Issue Date	2018-09-28
Release Version	A
Author	Wang Long



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1 PRODUCT TECHNICAL SPECIFICATION

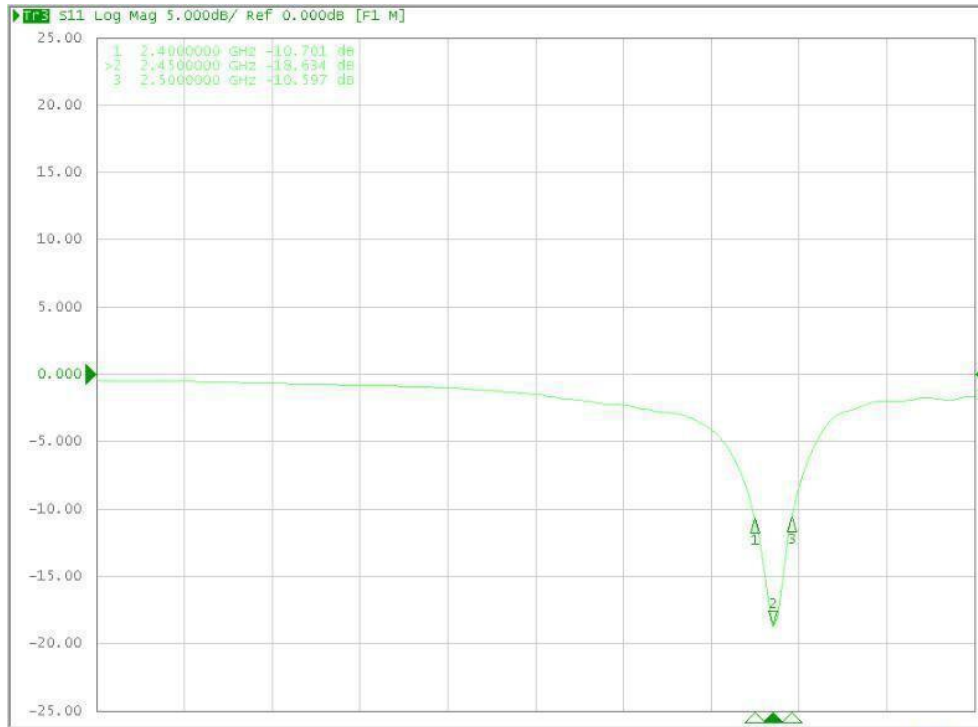
Electrical Specifications	
Frequency Range (MHz)	2400-2500
Bandwidth (MHz)	100
Input Impedence (Ω)	50
VSWR	<2.5
Gain (dBi)	>1.0
Polarization Type	Vertical
Mechanical Specifications	
Antenna Length (mm)	13.75mm
Connection Mode	Welding
Operatin Temp ($^{\circ}\text{C}$)	-30~70
Storing Temp($^{\circ}\text{C}$)	-30~70
外壳颜色 Radome Color	Silver

2 PRODUCT ELECTRICAL PERFORMANCE PARAMETER

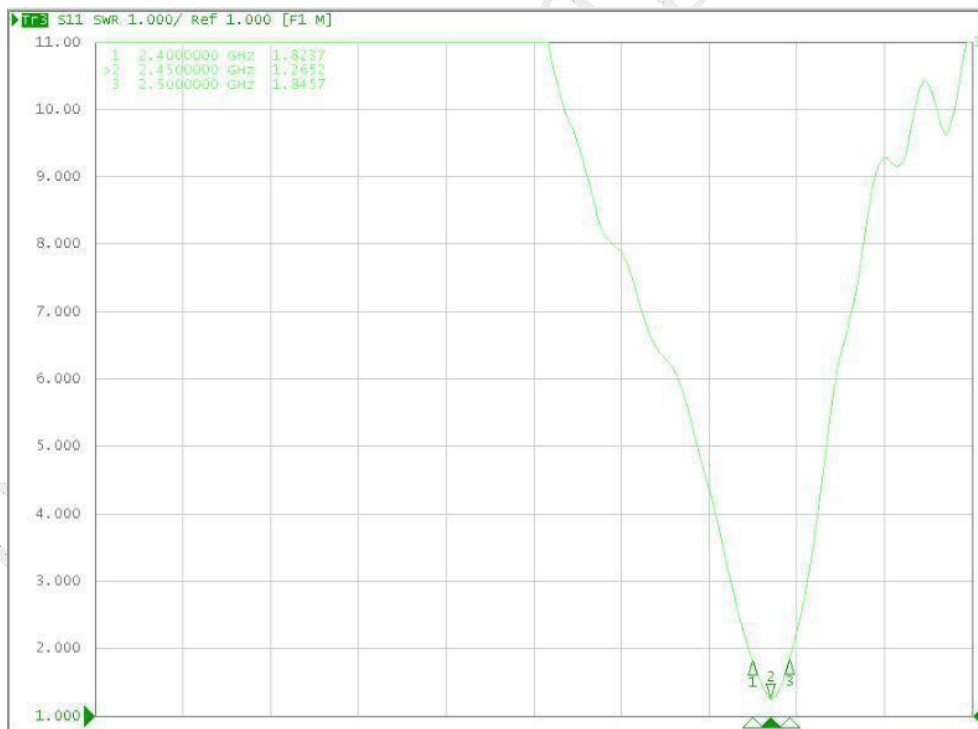
2.1 Product picture



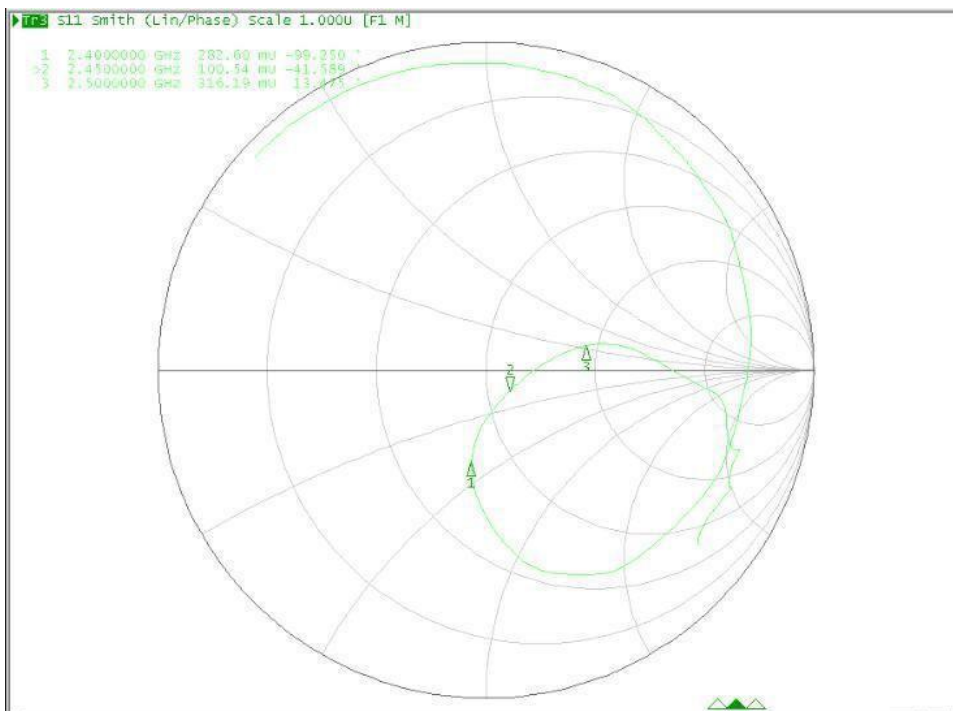
2.2 S11



2.3 VSWR



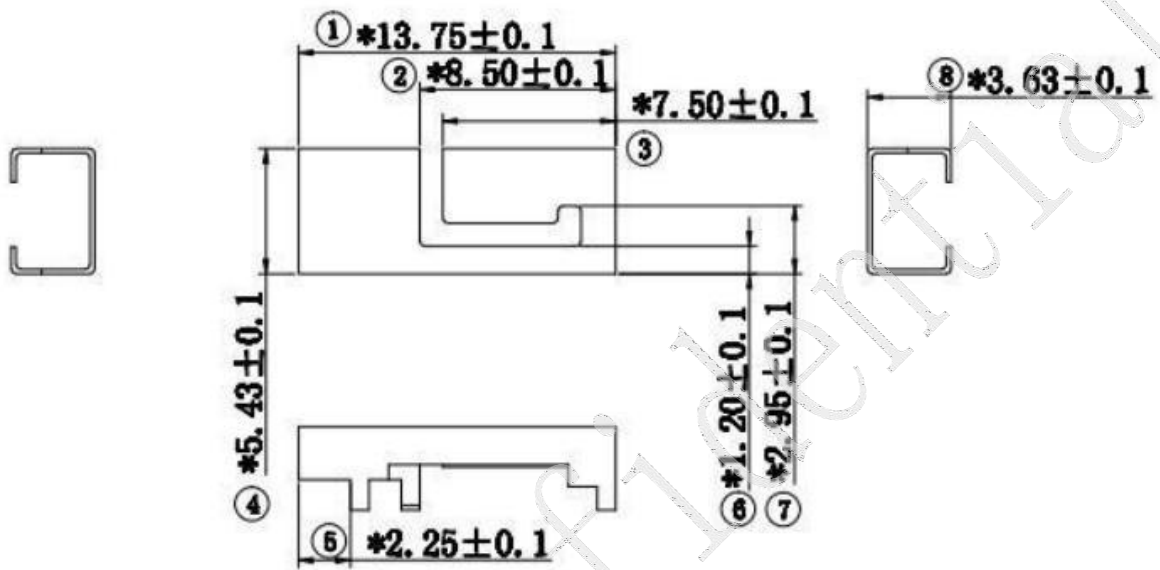
2.4 Smith Chart



2.5 Efficiency/Gain

Freq. (MHz)	Gain (dBi)	Effi. (%)
2400	1.94	56.04
2410	2.00	57.32
2420	1.91	61.25
2430	1.93	61.67
2440	1.88	63.55
2450	1.98	63.16
2460	1.99	63.47
2470	2.00	62.04
2480	1.73	61.82
2490	1.96	59.30
2500	1.85	56.17
Avg.	2.00	60.52

3 Product dimensions



4 Radiation pattern

