BT FPC Antenna (RT6232F-L)

Explanation of Product Number

S 2 4 В 0 0 В **(1)** (2) (3) (4) (5)



Product Description:

(1) Product Categories:

B:BT Antenna

(2) Dimensions:

B1:21.88*7.5 (mm)

(3) Material:

F: FPC

(4) Working Frequencies:

1B: 2.4G-2.5G

(5) Antenna Series:

TITLE: BITTO Antenna (KTO2021 -L)		NO.	02B4BB11 1B01000	Α	
TITLE: BT FPC Antenna(RT6232F-L)		PART	S2B4BB1F1B61000	REV.	
Designed By :Simon	Approved By :Simon	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION			
Drawn By : Shelley	Checked By : Simon	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALL			
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Angle: ±	Hole Dia. : ±		N YINGFENG ANTENNA TECHNOLOG	-	
X: ± 1	7		市迎丰天线技术有限公	司	
Tolerances (Unless oth	• •				

2. Features

- *Stable and reliable in performances
- *RoHS compliance
- *Low cost

3. Applications

*BT

4. Description

* YINGFENMG FPC antenna series are specially designed for 2.4G-2.5G band application. Based on YINGFENG proprietary designs and processes, this FPC antenna has excellent stability and sensitivity to consistently provide high signal reception efficiency.

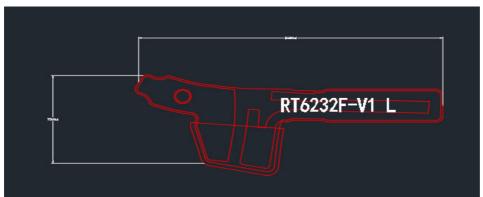
5. Antenna Electrical Specifications :

Characteristics		Spec	cificatio	ons		Unit	
Outline Dimensions	21.78*7.5			mm			
Frequency		24	00~2500)		MHz	
Impedance			50			Ω	
Polarization		Linear	· Polariza	ation			
Return Loss Table			Ret	urn Loss			
Freq.Band	2.4G	Hz		2.45G Hz	z 2.5G Hz		
dB	-16.98 -29.81 -17.3				-17.34		
VSWR Table			V	/SWR			
Freq.Band	2.4G Hz 2.45G Hz 2.5G H				2.5G Hz		
	1.18 1.08				1.29		
GAIN Table		Total Gain = Xpol + Ppol					
Freq.Band	2400MHz	2450	MHz	2485MHz		2500MHz	
Peak Gain(dBi)	1.51	1	72	1.69		1.23	

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TITLE: BT FPC Antenna(RT6232F-L)		NO.	S2B4BB1F1B61000	Α		
			PAGE 2 OF	= 6		

6. Dimensions (unit: mm)

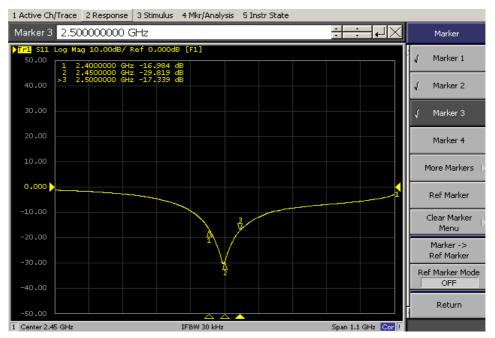
blic errand: ±0.2mm



正面加双面胶 3.5mm

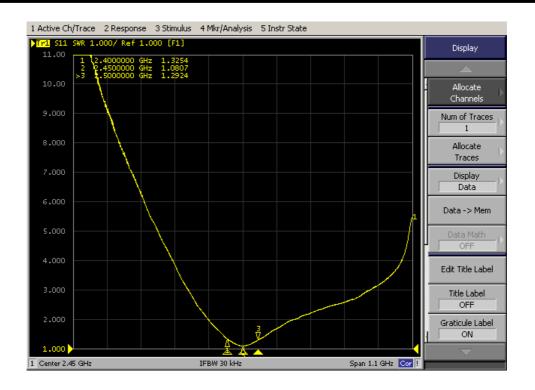
7. Measurement Characteristics:

(1) Return Loss

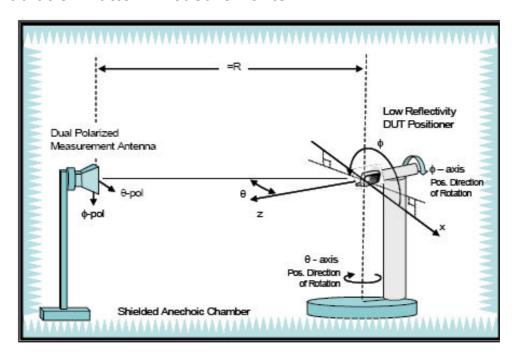


(2) VSWR

X:±1 X.X:±0.1 X.XX:±0.01 Angle:± Hole Dia.:± 深圳市迎丰天线技术有限公 SHEN ZHEN YINGFENG ANTENNA TECHNOLOGY Scale: Drawn By: Shelley Checked By: Simon Designed By:Simon Approved By:Simon TITLE: BT FPC Antenna(RT6232F-L) PART S2B4BB1F1B61000	Α				
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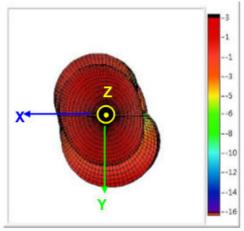
8. Three D Radiation Pattern measurements

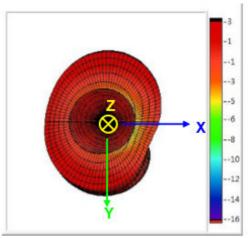


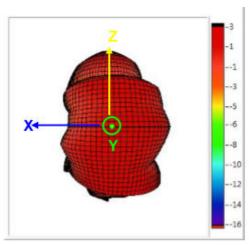
9. Radiation Pattern

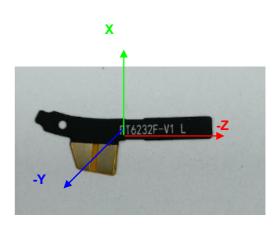
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9-1.3D Gain Pattern (Radiation Pattern at 2450 MHz)









9-2.2D Gain complete machine (Radiation Pattern at 2450 MHz)

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9-3.complete machine Efficiency Table

Frequency(MHz)	2400	2420	2450	2460	2480	2500
Efficiency (dB)	-2.22	-1.71	-2.09	-2.13	-2.24	-2.07
Efficiency (%)	27.9	29.3	30	29	28.7	26
Gain (dBi)	1.02	1.15	1.24	1.23	1.06	0.95

10.Revision Control:

Revision	Date	Content	Remark
Α	2024-1-20	New Issued.	N/A

Tolerances (Unless oth	• '	-3				
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