# BT FPC Antenna (MD067-L)

## 1. Explanation of Product Number

S 2 B 4 B B 1 F 1 B 0 0 1 0 0 (1) (2) (3) (4) (5)



#### **Product Description:**

(1) Product Categories:

**B:BT Antenna** 

(2) Dimensions:

B1:12.12\*9.04\*0.15 (mm)

(3) Material:

F: FPC

(4) Working Frequencies:

1B: 2.4G-2.5G

(5) Antenna Series:

01: Serial number

FITLE: BT FPC Antenna(MD067-L)		NO.	32D4DD1F1DUU1UU	В		
		PART	S2B4BB1F1B00100	REV.		
Designed By :Simon	Approved By :Simon	CIRCUMSTANCES	WITHOUT WRITTEN PERMISSION			
Drawn By : Andy	Checked By : Simon	CORPORATION AN	ID SHALL NOT BE REPRODUCED OR U			
Scale :	Unit : mm	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIE				
Angle: ±	Hole Dia. : ±		深圳市迎丰天线技术有限公司 SHEN ZHEN YINGFENG ANTENNA TECHNOLOGYCO.,LTD			
X: ± 1	0.1 X.XX: ± 0.01	7 次加	   主加士工处 <del>世术</del> 方四人:	=		
Tolerances (Unless oth	nerwise specified)					

## 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.

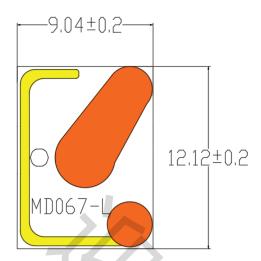
#### 5. Antenna Electrical Specifications:

Characteristics	Specifications				Unit		
Outline Dimensions		12.12*9.04 *0.15				mm	
Frequency	X	24	00~2500	)		MHz	
Impedance			50			Ω	
Polarization		Linea	r Polariza	ation			
Return Loss Table		Return Loss					
Freq.Band	2.4G	Hz		2.45G Hz		2.5G Hz	
dB	-16.98	-16.98 -29.8			-17.34		
VSWR Table		V		/SWR			
Freq.Band	2.4G	Hz	2.45G Hz			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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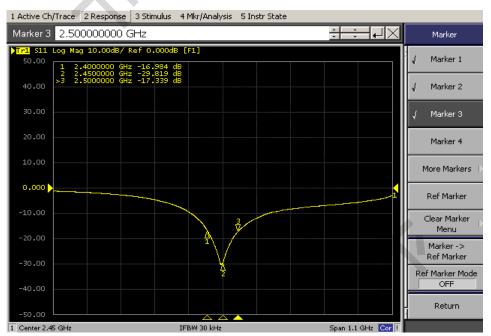
## 6. Dimensions (unit: mm)

blic errand: ±0.2mm



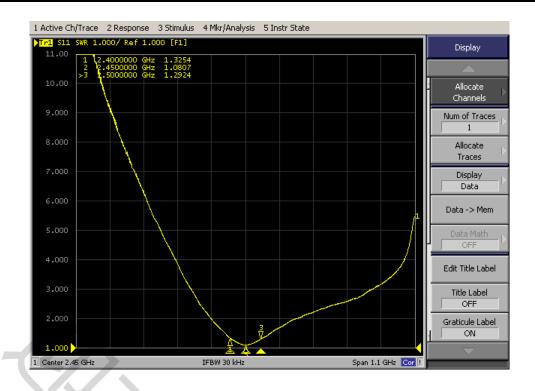
#### 7. Measurement Characteristics:

## (1) Return Loss

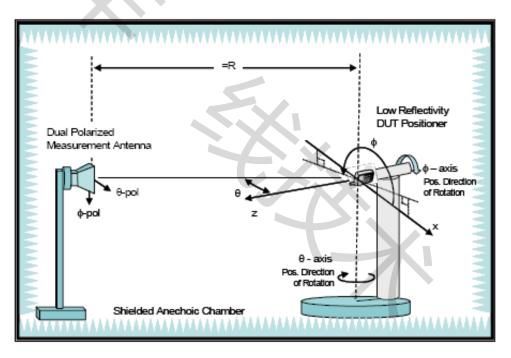


#### (2) VSWR

(Z) VOVI						
Tolerances (Unless oth	erwise specified)					
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Angle: ± Hole Dia.: ±		<b>八</b> 深圳市迎丰天线技术有限公司				
		SHEN ZHE	SHEN ZHEN YINGFENG ANTENNA TECHNOLOGYCO.,LTD			
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		NO.	S2B4BB1F1B00100	В		
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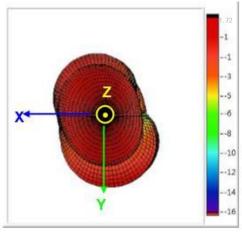
## 8. Three D Radiation Pattern measurements

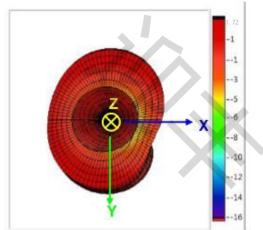


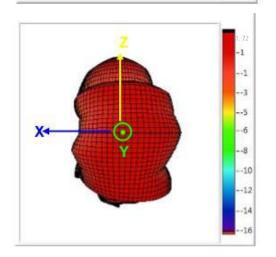
# 9. Radiation Pattern

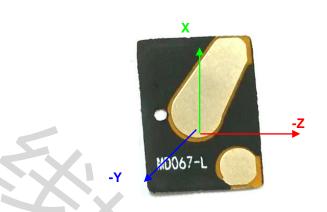
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## 9-1.3D Gain Pattern (Radiation Pattern at 2450 MHz)









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

Approved By :Simon	PART	S2B4BB1F1B00100	REV.		
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	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION				
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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 (%)	30.9	32.3	36	35	29.18	26
Gain (dBi)	1.51	1.62	1.72	1.7	1.69	1.23

# 10-1 产品包装 Product packaging

版本 edition:: V2.0	页码 Page: 1/1
1.产品排版:20*9=180PCS	2.离型纸隔层摆放保护天线 Barrier paper
1.) Ha Japan. 20 0 – 1001 00	protection products
3.密封袋封装效果	4.纸箱封箱效果(贴出货标签和 ROHS 标签
Sealing bag packaging effect	Carton sealing effect
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#### **10-2.Revision Control:**

Revision	Date	Content	Remark
Α	2024-7-17	New Issued.	N/A

Tolerances (Unless oth	erwise specified)					
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司 SHEN ZHEN YINGFENG ANTENNA TECHNOLOGYCOLTD				
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TITLE:BT FPC Antenna(MD067-L)		NO.	S2B4BB1F1B00100	В		
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