

2024. 08. 16

Product Specification

DOC NO:

REV:

Antenna Specification**Suppliers:**

Company name	Shenzhen Puda Micro high-tech Co. , Ltd.	Company seal
Part model number	天线 ID 983568	
Part description	SLK-PDW-2218-R-100III-B	
Identify the person	Joanne Yip	
A p p r o v e d	Zhao Wei	

Address: Room 607, Building B, Qianwan hard science and Technology Industry Park, Nanchang community, Xixiang Street, Baoan District, Shenzhen

Contact Person
: Mr. Zhao

Tel: 0755-23220800

Fax: 0755-23220700

C l i e n t :

Company name	Shenzhen Jingchuang Technology Electronic Co. , Ltd.	Company seal
Test people		
Identify the person		
A p p r o v e d		
Test results and description		

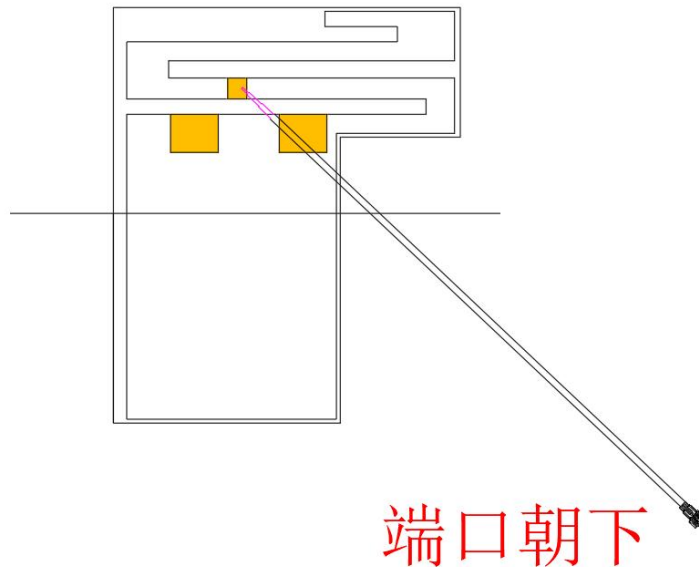
Contact:

Antenna

1. Explanation of Product number :

S L K - P D W - 2 2 1 8 - R - 1 0 0 I I I - B

1 2 3 4



Product Code:

(1) Project:

2218: SLK-PDW-2218 (WIFI antenna 2.4~2.5+5.15~5.85GHz)

(2) Welding Position

R: Right

(3) Cable Length:

100III: 100*0.81MM 三代端子

(4) Cable Color

B: Black

2. Features

- *Stable and reliable in performances
- *Compact size
- *RoHS compliance

3. Applications

- * IEEE802.11 (b/g/n/a)
- * Hand-held devices when WIFI (802.11 b/g/n/a) functions are needed

4. Description

Holy bond's FPC antenna series are specially designed for WIFI (802.11 b/g/n/a) applications. Based on Holy bond's proprietary design and processes, this FPC antenna has excellent stability and sensitivity to consistently provide high signal reception efficiency.

5. Electrical Specifications

5-1

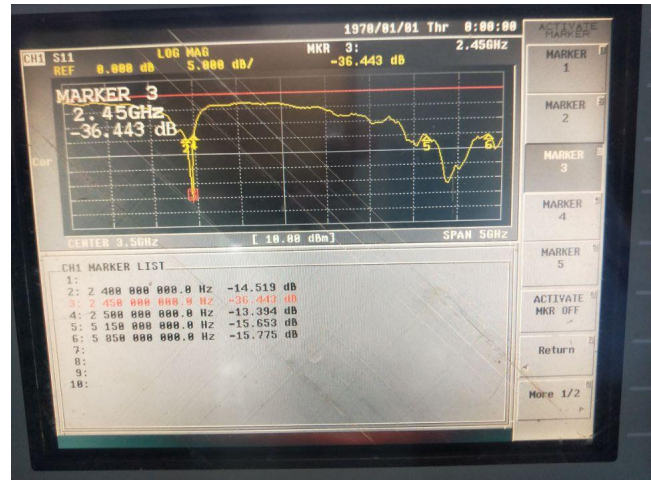
Characteristics	Specifications	Unit
Outline Dimensions	21.8x18.2x 0.12	mm
Center Frequency	2.4-2.5/5.15-5.85	GHz
Bandwidth(under-10dB return loss)	130min	MHz
GAIN	3.8dBi	dBi
VSWR	3max	
Impedance	50	Ω
Polarization	Linear Polarization	
Working Temperature	-40℃~ + 85℃	
Working Humidity	20~80%	

5-2

VSWR



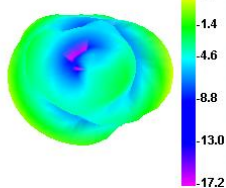
S11



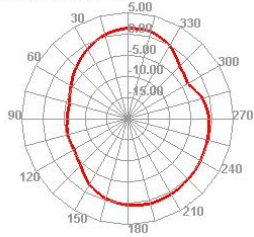
5-3.WIFI Antenna Gain/Efficiency/Radiation Pattern of 3D

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	45.11	-3.46	2.02
2410	49.69	-3.04	2.72
2420	45.04	-3.46	1.95
2430	47.1	-3.27	3.18
2440	45.68	-3.4	3.04
2450	54.2	-2.66	3.8
2460	52.32	-2.81	3.72
2470	55.01	-2.6	3.59
2480	51.94	-2.85	3.2
2490	51.94	-2.84	3.04
2500	49.42	-3.06	2.69
5150	33.68	-4.73	0.8
5250	38.92	-4.1	1.58
5500	44.12	-3.55	1.92
5750	45.36	-3.43	2.74
5850	46.94	-3.28	1.9

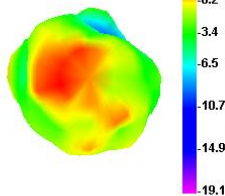
2450.000MHz



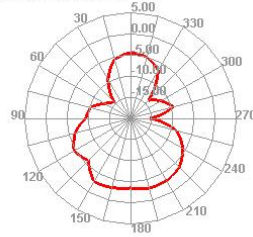
2450.000MHz H



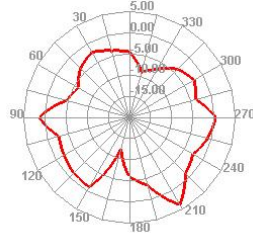
5850.000MHz



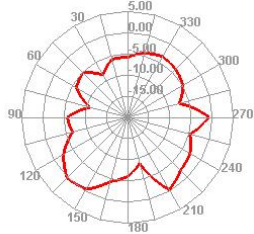
5850.000MHz H



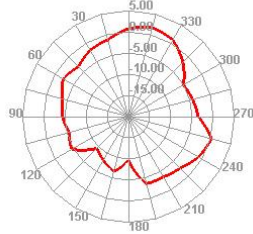
2450.000MHz E1



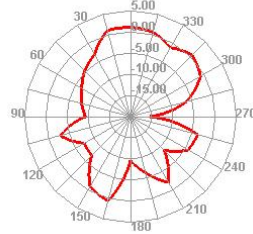
2450.000MHz E2



5850.000MHz E1



5850.000MHz E2



6. Antenna Dimensions (unit: mm)

