

深圳市亿圣邦科技有限公司

天线规格书

Antenna specification

公司名称 (客户填写): 深圳市艾普达科技有限公司
物料代码 (客户填写):
规格型号 (客户填写): MPC12P0YS
承认日期 (客户填写):
供应商名称 (SLK 填写): 深圳市亿圣邦科技有限公司
供应商名称 (SLK 填写):

承 认 签 章

供 应 商 承 认			深圳市艾普达科技有限公司		
工 程 师	审 核	批 准	工 程 师	审 核	批 准
曾立文	黄 震	林美财			
盖章签署			盖章签署		
日 期 2023-06-20			日 期		
批示: ☐ 接受 ☐ 有条件接受					
备注 (客户填写):					

供应商名称: 深圳市亿圣邦科技有限公司

供应商地址: 东莞市塘厦镇蛟乙塘银园街 13 号 2 楼

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Antenna 0: Bluetooth Antenna

1. Explanation of Product number :

Product Code:

(1) Customer:

APD: 艾普达

(2) Project:

2216: SLK-APD-2216(Bluetooth Antenna 2400-2500MHz)

(3) Welding Position

R:Right

(4) Cable Length:

120IV:120*0.81MM

(5)Cable Color

G: Grey

2. Features

*Stable and reliable in performances

*Compact size

*RoHS compliance

3. Applications

- * B R / E D R
- * Hand-held devices when B R / E D R functions are needed

4. Description

Holy bond

s External antenna series are specially designed for Bluetooth (BR/EDR) applications. Based on Holy bond’s proprietary design and processes, this External antenna has excellent stability and sensitivity to consistently provide high signal reception efficiency.

5. Electrical Specifications

Characteristics	Specifications	Unit
Outline Dimensions	16.71*21.9*0.12	mm
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	
Impedance	50	Ω
Polarization	Linear Polarization	

5-1

VSWR

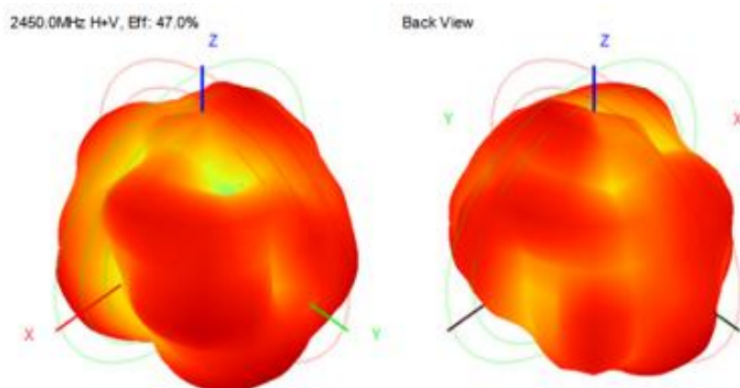


S11



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

Frequency	Efficiency	Gain (dBi)	Efficiency (%)
2400.0	-3.20	1.79	47.87
2410.0	-3.02	2.07	49.84
2420.0	-3.25	2.00	47.29
2430.0	-3.01	2.22	49.98
2440.0	-3.24	2.38	47.38
2450.0	-3.28	1.97	46.96
2460.0	-3.51	1.77	44.62
2470.0	-3.48	2.07	44.92
2480.0	-3.26	2.53	47.19
2490.0	-2.44	3.44	52.56
2500.0	-3.37	2.11	46.08



Antenna 1 WIFI Antenna

6. Explanation of Product number :

Product Code:

(1) Customer:

APD:艾普达

(2) Project:

2216: SLK-APD-2216

(Antenna 1: WIFI antenna 2400-2500MHz; 5150-5850MHz)

(3) Welding Position

R:Right

(4) Cable Length:

150IV:150*0.81MM

(5)Cable Color

B: Black

6.2. Features

- *Stable and reliable in performances

- *Compact size

- *RoHS compliance

6.3. Applications

- * IEEE802.11 (a/b/g/n)

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

7 . Description

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

8 . Electrical Specifications

8-1

Characteristics	Specifications	Unit
Outline Dimensions	16.71*21.9*0.12	mm
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	
Impedance	50	Ω
Polarization	Linear Polarization	

8-2

VSWR



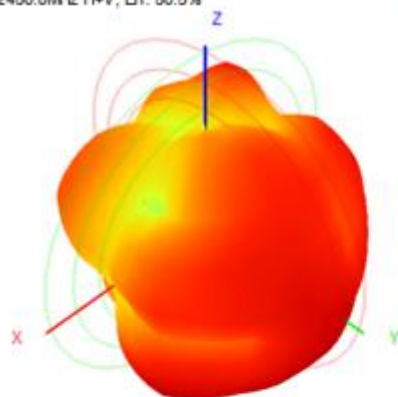
S11



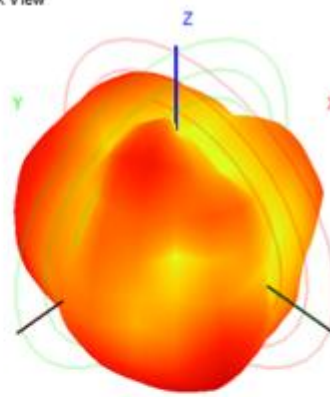
8-3. Antenna 1 : WIFI Antenna Gain/Efficiency/Radiation Pattern of 3D

Frequency	Efficiency	Gain (dBi)	Efficiency (%)
2400.0	-2.91	2.34	51.21
2410.0	-2.88	2.59	51.57
2420.0	-3.14	2.65	48.53
2430.0	-2.82	3.03	52.20
2440.0	-2.86	3.44	51.77
2450.0	-2.97	3.06	50.46
2460.0	-3.04	3.33	49.70
2470.0	-3.13	3.05	48.61
2480.0	-3.07	3.30	49.28
2490.0	-2.87	3.34	51.64
2500.0	-3.03	2.66	49.72
5150.0	-3.15	3.16	48.47
5350.0	-3.02	4.10	49.93
5550.0	-2.77	4.45	52.84
5650.0	-2.92	3.87	51.01
5850.0	-2.82	4.83	52.26

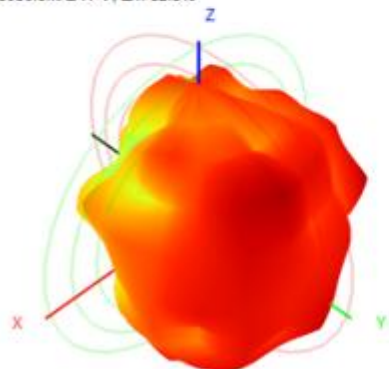
2450.0MHz H+V, Eff: 50.6%



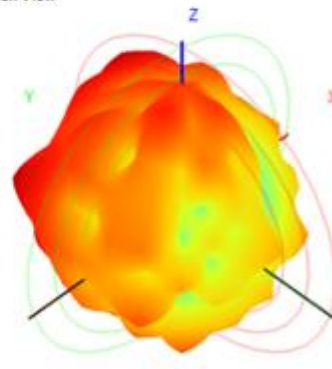
Back View



5850.0MHz H+V, Eff: 52.3%



Back View



9. Antenna 1 + Antenna 0 Size Picture

