

Antenna specification

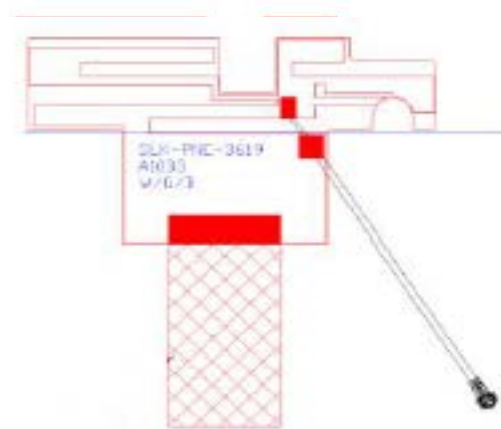
Manufacturer: Shenzhen Skyworld Technology Co., Ltd
Model: SLK-3619(WiFi+GPS antenna)

WIFI+GPS Antenna (3619)

1. Explanation of Product number :

S L K - P N E - 3 6 1 9 - R - 1 2 5 I I I - B

1 2 3 4 5



Project:

3619: SLK-3619(WiFi+GPS antenna)

Welding Position

R:Right

(4) Cable Length:

125III: 125*0.81MM

(5) Cable Color

B: Black

2. Features

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

3. Applications

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

4. Description

Holy bond's FPC antenna series are specially designed for WIFI (802.11 a/b/g/n) GPS 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

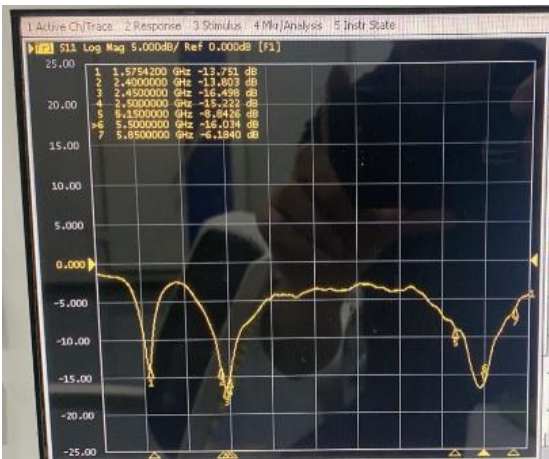
Characteristics	Specifications	Unit
Outline Dimensions	36.38x 19.65x 0.12	mm
Center Frequency	1.575+2.4-2.5+5.15-5.85	GHz
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	

5-2.

VSWR



S11



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

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)	Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
1570	-6.37	-2.28	23.10%	2400	-5.8	-0.78	26.30%
1571	-6.31	-2.28	23.40%	2410	-5.39	-0.42	28.90%
1572	-6.24	-2.17	23.80%	2420	-5.39	-0.57	28.90%
1573	-6.15	-2.15	24.30%	2430	-5.04	-0.41	31.40%
1574	-6.05	-2.1	24.80%	2440	-5.16	-0.62	30.50%
1575	-5.92	-2	25.60%	2450	-5.16	-0.57	30.50%
1576	-5.89	-1.98	25.70%	2460	-5.33	-0.7	29.30%
1577	-5.86	-1.83	26.00%	2470	-5.32	-0.29	29.40%
1578	-5.81	-1.84	26.30%	2480	-5.22	-0.08	30.00%
1579	-5.76	-1.81	26.50%	2490	-5.26	-0.02	29.80%
1580	-5.72	-1.72	26.80%	2500	-5.59	-0.31	27.60%
				5150	-6.39	-0.36	23.00%
				5550	-8.33	-1.53	14.70%
				5750	-7.41	-0.82	18.20%
				5850	-5.94	0.19	25.50%

