

WIFI Antenna (2813A)

1. Explanation of Product number :

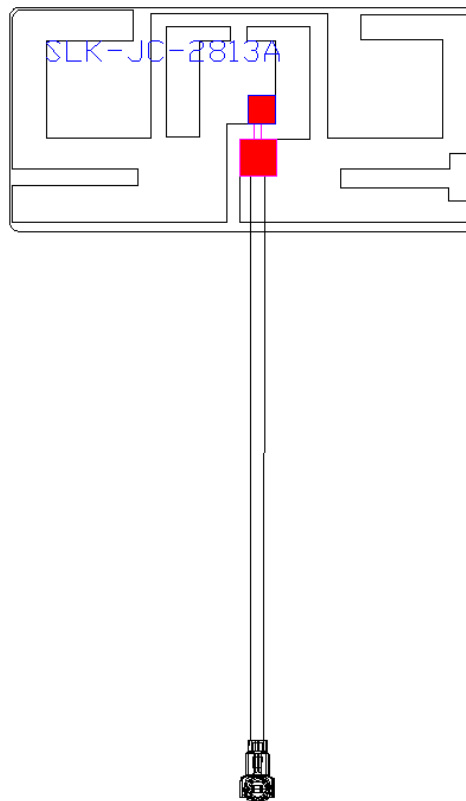
S L K - 2 8 1 3 A - M - 3 0 0 I - G

1

2

3

4



Product Code:

(1) Project:

2813A: SLK-2813A (WIFI antenna 2.4~2.5GHz)

(2) Welding Position

M:Middle

(3) Cable Length:

300I: 300*1.13MM 一代端子

(4)Cable Color

G: Grey

2. Features

*Stable and reliable in performances

*Compact size

*RoHS compliance

3. Applications

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

4. Description

Holy bond’s FPC antenna series are specially designed for WIFI (802.11 b/g/n) 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.

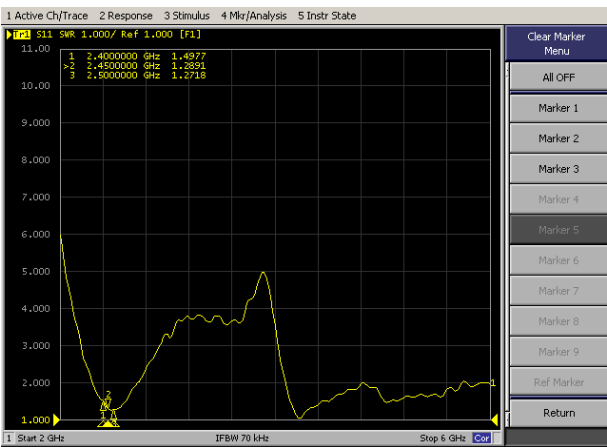
5. Electrical Specifications

5-1

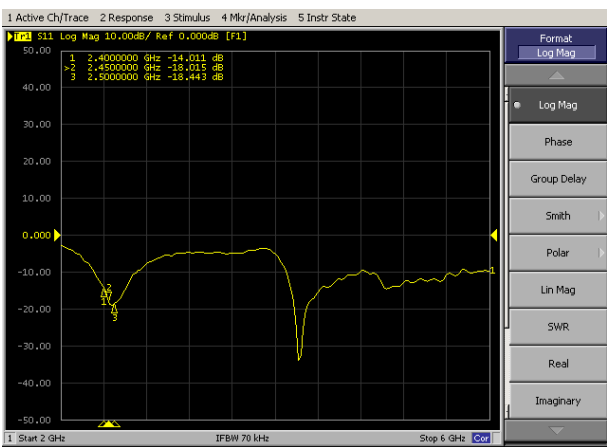
Characteristics	Specifications	Unit
Outline Dimensions	27.92x 13.4 x 0.12	mm
Center Frequency	2.4-2.5	GHz
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	
Impedance	50	Ω
Polarization	Linear Polarization	

5-2

VSWR



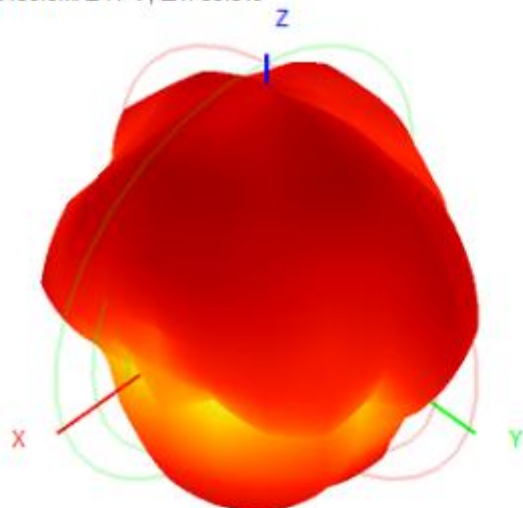
S11



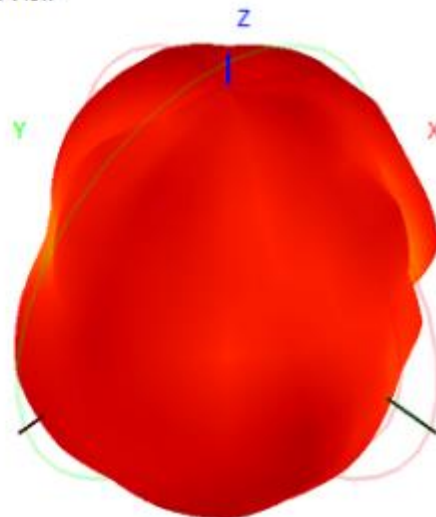
5-3.WIFI Antenna Gain/Efficiency/Radiation Pattern of 3D

Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-2.63	-2.49	-2.52	-2.25	-2.31	-2.26	-2.50	-2.29	-2.16	-2.14	-2.24
Gain (dBi)	2.93	3.15	2.94	3.10	2.55	2.66	2.12	2.28	2.46	2.67	2.63
Efficiency (%)	54.64	56.34	55.92	59.55	58.80	59.46	56.25	58.96	60.83	61.09	59.75

2450.0MHz H+V, Eff: 59.5%



Back View



6. Antenna Dimensions (unit: mm)

