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|-----------------------------------------|
| <p><b>PRODUCT<br/>SPECIFICATION</b></p> |
|-----------------------------------------|

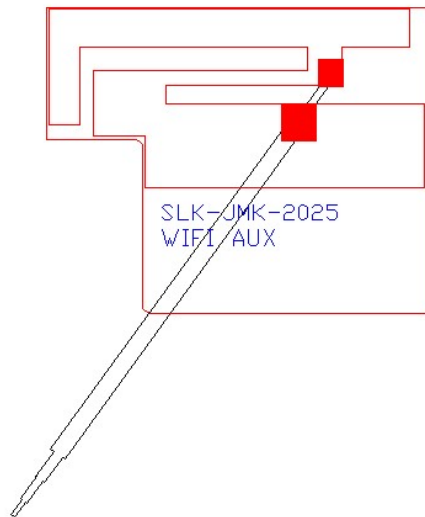
|              |                      |
|--------------|----------------------|
| PRODUCT NAME | FPC Antenna          |
| P/N          | SLK-YSL-2025-L-150-G |

# FPC Antenna (2025)

## 1. Explanation of Product number :

**S L K - Y S L - 2 0 2 5 - L - 1 5 0 - G**

**1                      2                      3                      4                      5**



Product Code:

(1) Customer:

YSL

(2) Project:

2025: SLK-YSL-2025 (FPCantenna)

(3) Welding Position

L:Left

(4) Cable Length:

150: 150\*1.13MM

(5)Cable Color

G: Gray

## 2. Features

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

## 3. Applications

- \* Devices when (2.4G/5G) functions are needed

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## 4. Description

Holy bond's antenna series are specially designed for (2.4G/5G) applications. Based on Holy bond's proprietary design and processes, this antenna has excellent stability and sensitivity to consistently provide high signal reception efficiency.

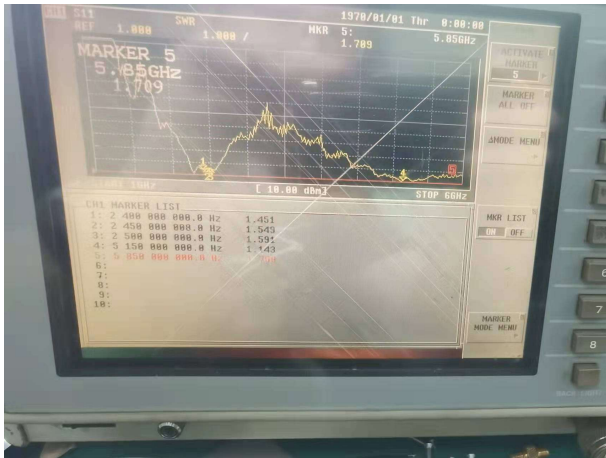
## 5. Electrical Specifications

### 5-1

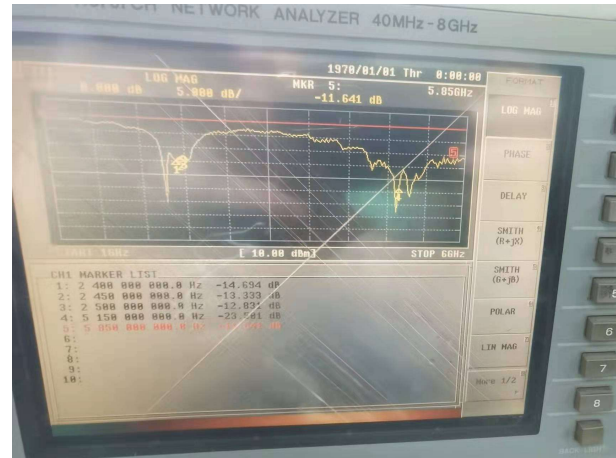
| Main technical specifications |                            |
|-------------------------------|----------------------------|
| Frequency Range<br>(GHZ)      | 2.4-2.5/5.15-5.85          |
| Impedance( $\Omega$ )         | 50                         |
| Gain(dBi)                     | 2.4G:3.16dBi<br>5G:3.44dBi |
| VSWR                          | $\leq 3.0$                 |
| Admitted Power                | 10W                        |
| Polarization                  | Linear,Vertical            |
| Radiation                     | Omni-directional           |
| Physical Properties           |                            |
| Operating Temp                | -20℃~+70℃                  |
| Storage Temp                  | -20℃~+70℃                  |

## 5-2.

### VSWR

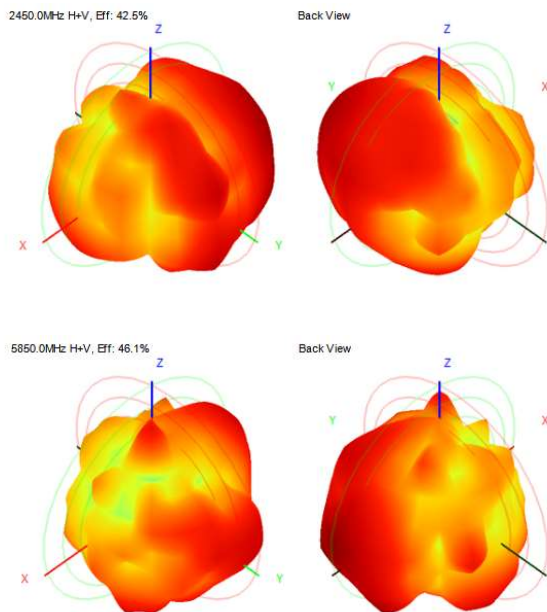


### S11



## 5-3.WIFI Antenna Gain/Efficiency

| Frequency (MHz)  | 2400.0 | 2410.0 | 2420.0 | 2430.0 | 2440.0 | 2450.0 | 2460.0 | 2470.0 | 2480.0 | 2490.0 | 2500.0 | 5150.0 | 5350.0 | 5500.0 | 5750.0 | 5850.0 |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Efficiency (dBi) | -4.07  | -3.85  | -3.75  | -3.63  | -3.71  | -3.72  | -3.67  | -3.80  | -3.73  | -3.52  | -3.68  | -3.90  | -4.03  | -3.61  | -3.81  | -3.36  |
| Gain (dBi)       | 1.89   | 2.14   | 2.31   | 2.49   | 2.25   | 2.64   | 2.47   | 2.28   | 2.52   | 3.16   | 2.80   | 3.19   | 2.73   | 3.27   | 3.44   | 3.19   |
| Efficiency (%)   | 39.13  | 41.21  | 42.15  | 43.31  | 42.54  | 42.47  | 42.96  | 41.67  | 42.39  | 44.48  | 42.87  | 40.78  | 39.57  | 43.59  | 41.61  | 46.14  |



## 6. Antenna Dimensions (unit: mm)

