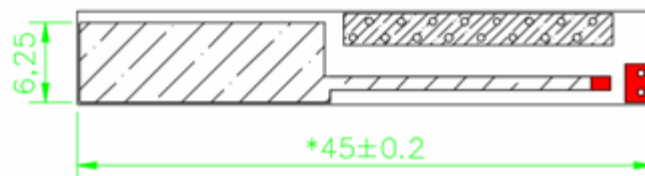
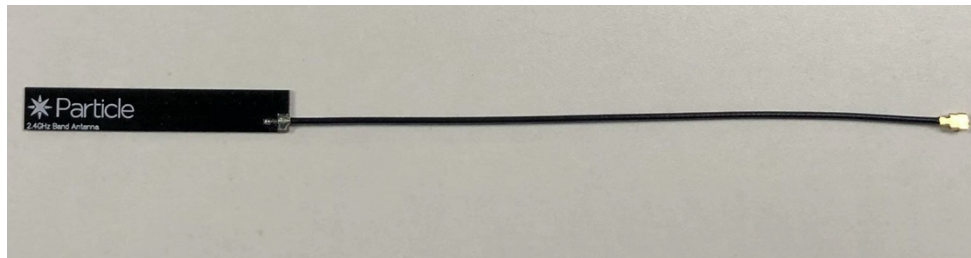


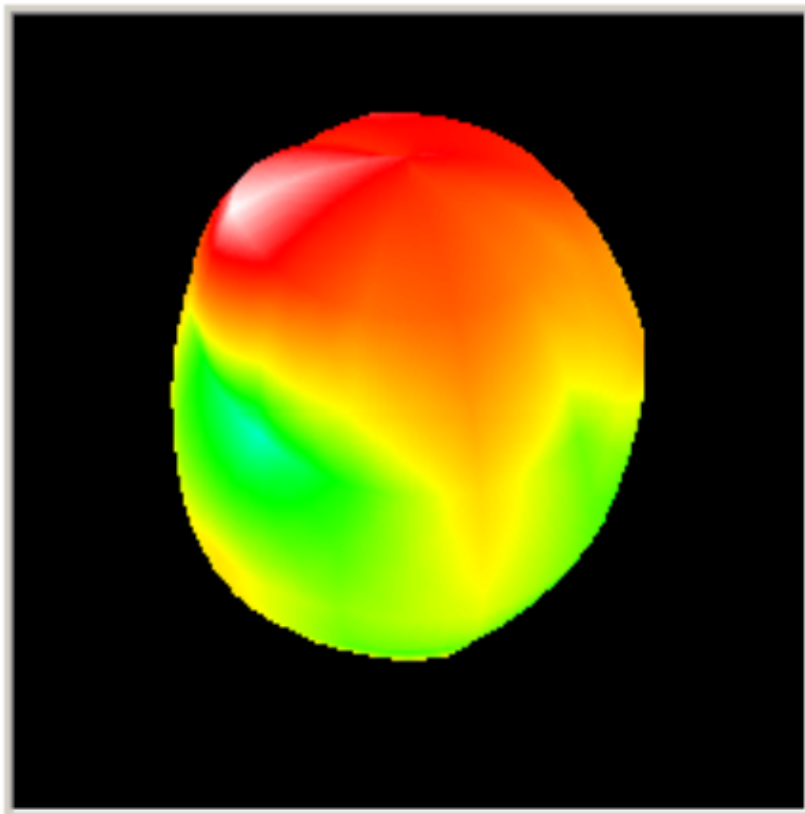
## 2.4G pcb built-in antenna , L=120mm

### Features

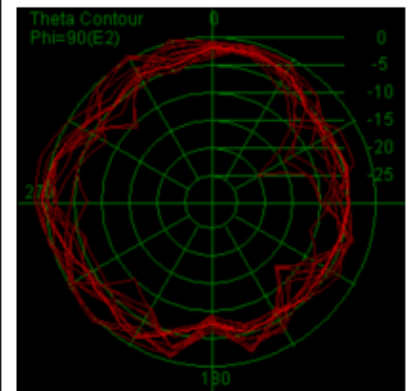
1. small size pcb antenna ,easy to install .
2. good performance in 2.4G work band .
3. applied to WiFi, Zigbee and other 2.4G wireless communication systems ; smart home , wearable, repeaters, etc.



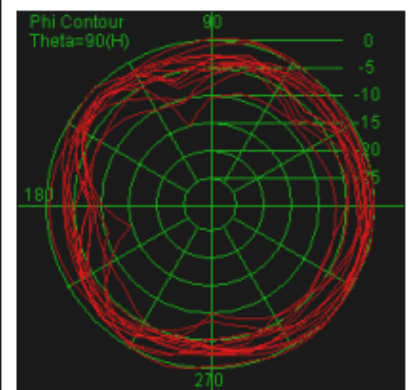
3D Gain/Radiation Pattern



E Plan

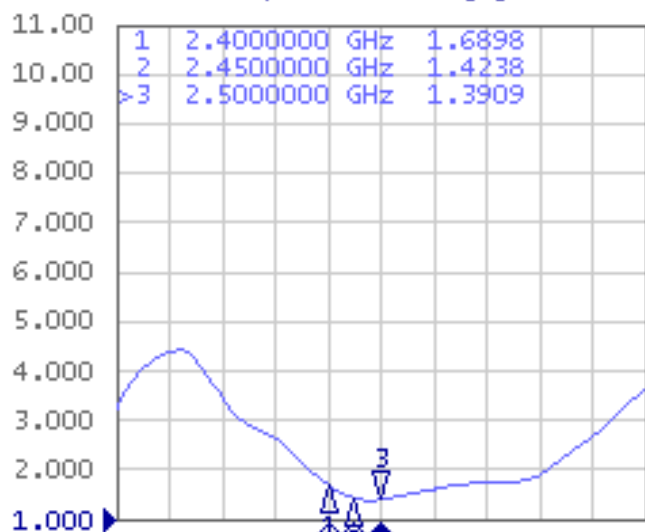


H Plan

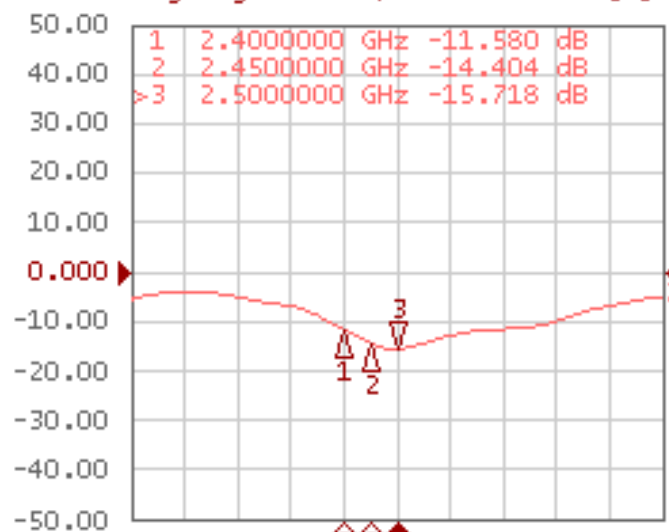


1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Tr1 S11 SWR 1.000/ Ref 1.000 [M]

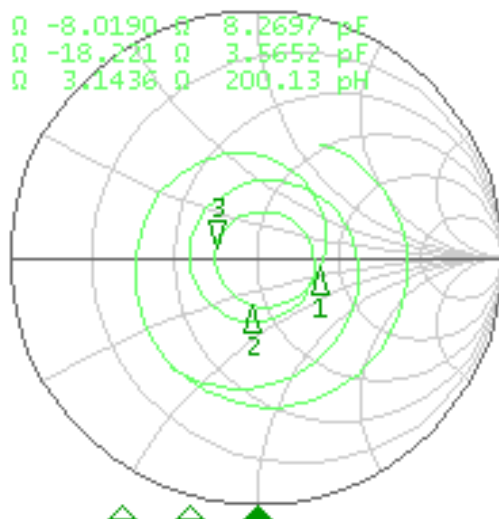


Tr2 S11 Log Mag 10.00dB/ Ref 0.000dB [M]



Tr3 S11 Smith (R+jX) Scale 1.000U [M]

|    |               |                 |                  |           |
|----|---------------|-----------------|------------------|-----------|
| 1  | 2.4000000 GHz | 84.858 $\Omega$ | -8.0190 $\Omega$ | 8.2697 pF |
| 2  | 2.4500000 GHz | 45.233 $\Omega$ | -18.221 $\Omega$ | 3.5652 pF |
| >3 | 2.5000000 GHz | 35.774 $\Omega$ | 3.1436 $\Omega$  | 200.13 pH |



1 Start 2 GHz

IFBW 70 kHz

Stop 3 GHz Off !

## Performance

### 电气参数(Electrical Properties)

|                    |                     |
|--------------------|---------------------|
| 频率/Frequency:      | 2400~2500MHz        |
| 输入阻抗/Impedance:    | 50 $\Omega$         |
| 驻波比/VSWR:          | <2.0                |
| 增益/Gain:           | 2.0dBi              |
| 极化方式/Polarization: | 垂直全向 /vertical Omni |

### 机械参数(Mechanical Properties)

|                         |                             |
|-------------------------|-----------------------------|
| 接头&线缆/Conn & Cable:     | IPEX/ 1.13 Cable L=120mm    |
| 材料&颜色/Material & Color: | PCB & black                 |
| 安装方式/Mounting:          | Normal                      |
| 尺寸/Size:                | 45.1×7.4×1.0mm              |
| 工作温度/Operate Temp:      | -20 ~ 75 $^{\circ}\text{C}$ |