

## 2.4GHz FPC Antenna: ANF4212B2400F2K2

### Application:

WLAN, 802.11b/g, Bluetooth, etc...

### Features

High reliability, ultra Impact, Omni-directional...

### Part number

ANF 4212 B 2400 F2 K2  
(1) (2) (3) (4) (5) (6)

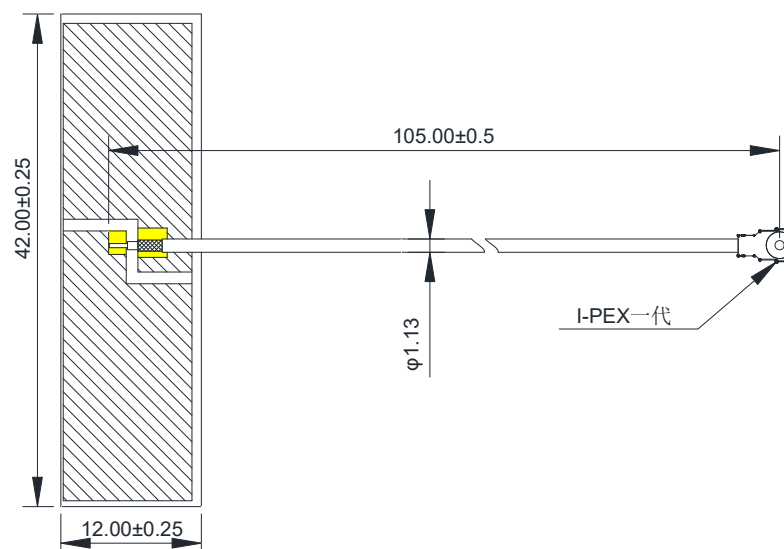
|                  |             |
|------------------|-------------|
| (1) Product Code | FPC Antenna |
| (2) Size Code    | 42x12mm     |
| (3) Packing      | IN Bulk     |
| (4) Frequency    | 2400MHz     |
| (5) Series       | F2          |
| (6) Type         | K2          |



### Electrical Specification

|                           |                  |
|---------------------------|------------------|
| Working Frequency Range   | 2400~2500MHz     |
| Peak Gain                 | 2.0dBi(type)     |
| Impedance                 | 50 Ohm           |
| VSWR                      | 2.0 Max          |
| Polarization              | Linear           |
| Azimuth Beamwidth         | Omni-directional |
| Operation Temperature(°C) | -30~70°C         |

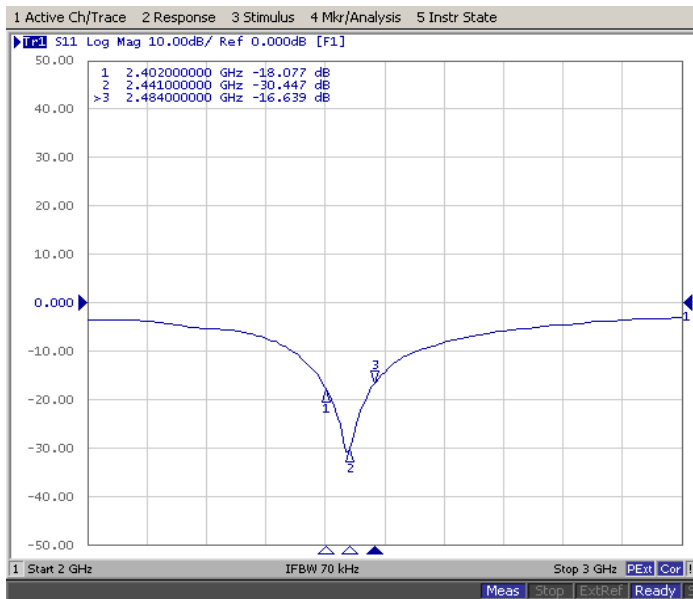
### Dimension and Terminal Configuration



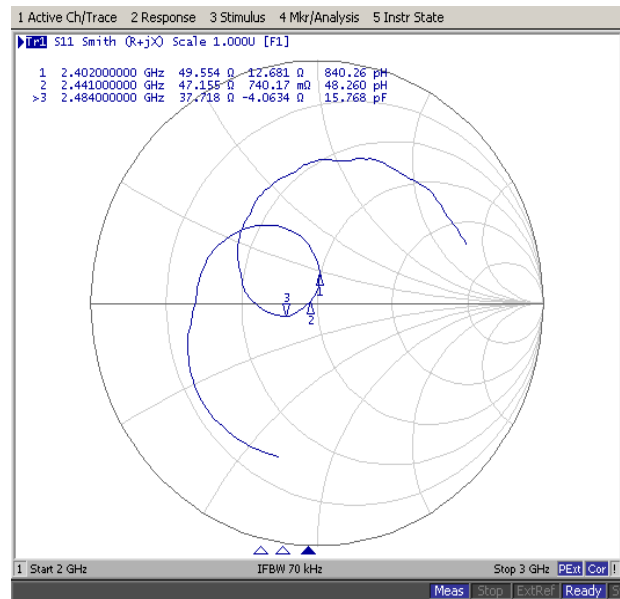
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### Electrical Characteristics

#### Return loss

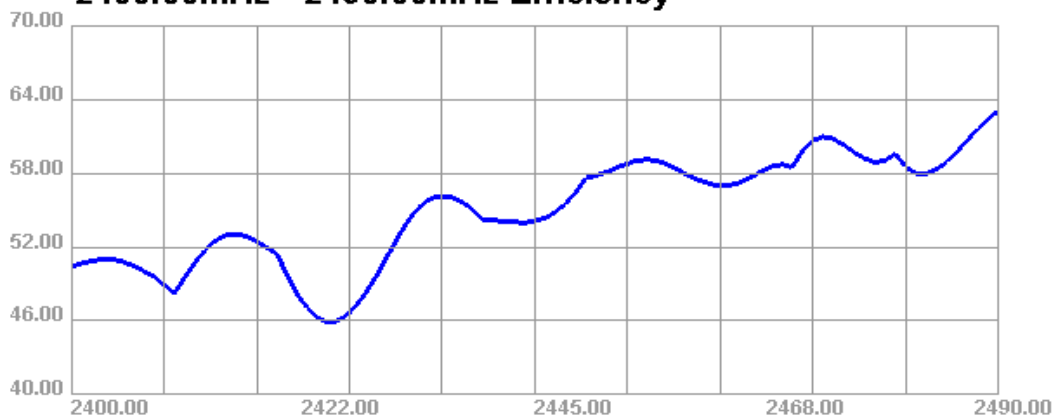


#### Smith



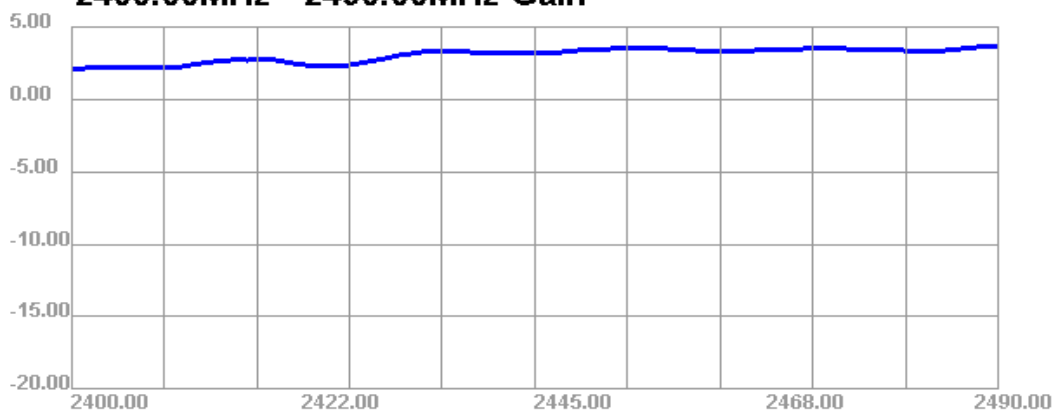
#### Efficiency

##### 2400.00MHz - 2490.00MHz Efficiency



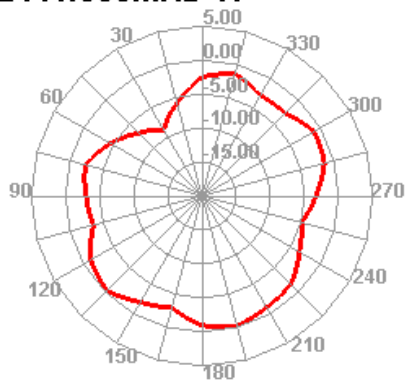
#### Peak Gain

##### 2400.00MHz - 2490.00MHz Gain

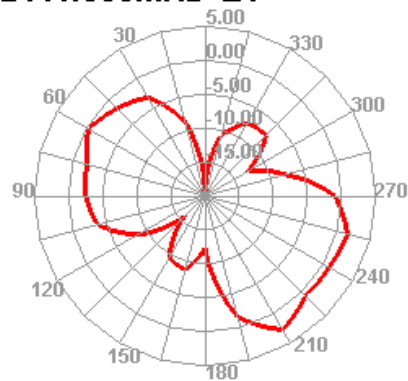


### Radiation Pattern

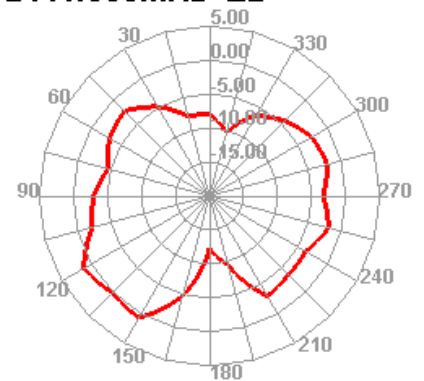
2441.000MHz H



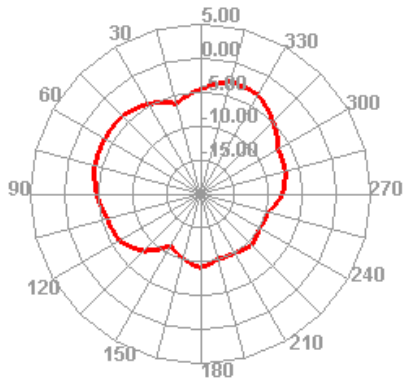
2441.000MHz E1



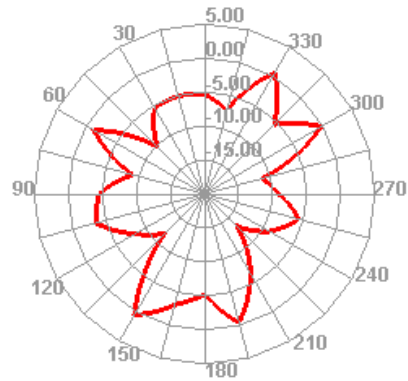
2441.000MHz E2



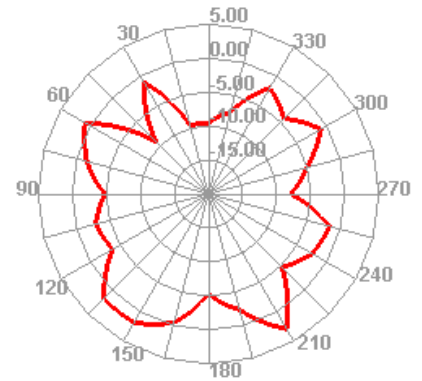
2441.000MHz H



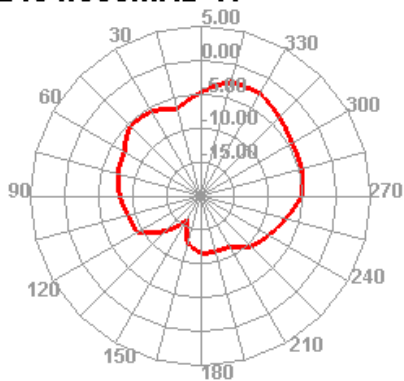
2441.000MHz E1



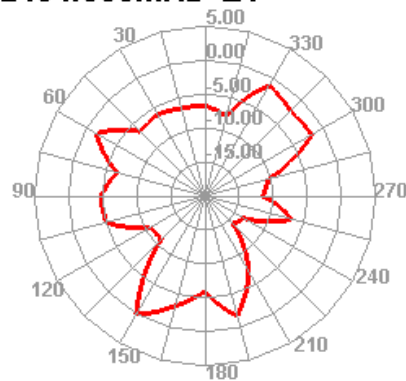
2441.000MHz E2



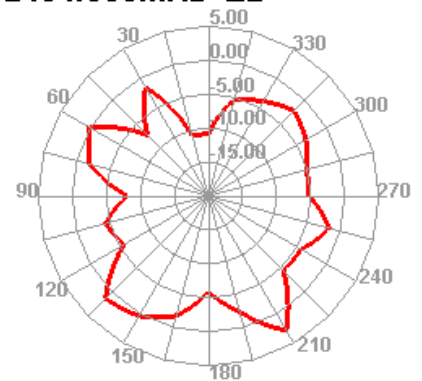
2484.000MHz H



2484.000MHz E1



2484.000MHz E2



## Packing:

| FRAME REV:04 |             |          |  | DWG-XX-XXX |  |
|--------------|-------------|----------|--|------------|--|
| REV          | DESCRIPTION | DATE     |  |            |  |
| A/1          | Jerry       | 02182019 |  |            |  |

1、1pcs产品



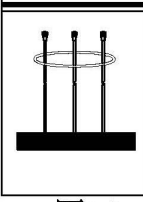
图一

2、100PCS一捆



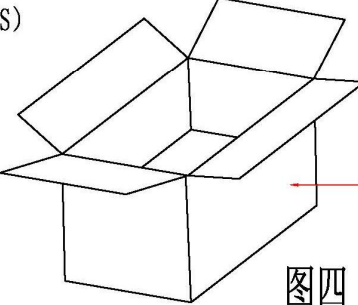
图二

3、每一捆装入锁扣袋  
贴客制标签



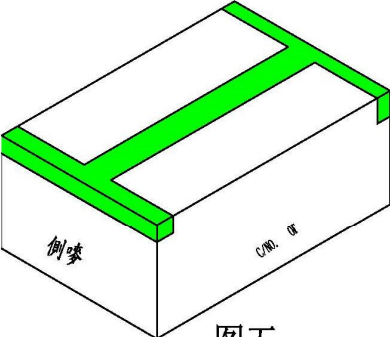
图三

4、每外箱装20袋（共计2000PCS）  
5、外箱封好贴客制外箱标签



图四

外箱



图五

| THIRD ANGLE PROJECTION                                                             |       | DRAWING APPROVAL |       | 东莞市合展电子有限公司<br>DONGGUAN HEKCORP Electronics Co., Ltd |                            |
|------------------------------------------------------------------------------------|-------|------------------|-------|------------------------------------------------------|----------------------------|
|  |       | DWN:             | Jerry |                                                      |                            |
| TOLERANCES UNLESS OTHERWISE SPECIFIED                                              |       | CHK:             |       |                                                      |                            |
| ONE PLACE DECIMAL                                                                  | .X    | APPD:            |       | CUS:                                                 | CUS P/N:                   |
| TWO PLACE DECIMAL                                                                  | .XX   | SIZE:            | F4    | HEK P/N                                              | ANT0055BB2400ABP           |
| THREE PLACE DECIMAL                                                                | .XXX  | UNIT:            | MM    | ITEM                                                 |                            |
| FOUR PLACE DECIMAL                                                                 | .XXXX | SCALE:           | - : - |                                                      |                            |
| ANGULAR DIMENSION                                                                  | DEG   |                  |       | SHEET : 1 OF 1                                       | CUS REV : N/A HK REV : A/1 |

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## Revision History

| Version | Date      | Description |
|---------|-----------|-------------|
| Ver.01  | Jul .2023 | New issue.  |