

## APPROVAL SHEET

Issued No. : SLANT180901

DESCRIPTION : Chip series antenna 2.4 GHz

Bandwidth 100MHz

NOMINAL FREQ. : 2.4GHz

TAITIEN P/N : 1201-ANT-00061

TAITIEN MODEL : DN02450M31102

REVISION : 01

DATE : 07/18/2019

Approved	Checked	Prepared

CUSTOMER :

Customer Signature
Approved:
Date:

Taitien Electronics Co., Ltd.

No.5, Shutan Street, Shulin Dist., New Taipei City 238, Taiwan, R.O.C.



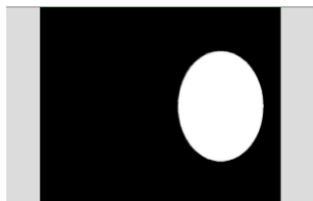
## 1.SCOPE :This specification applies to Chip series antenna

## 2.Rating:

Operating Temperature :  $-25^{\circ}\text{C} \sim 125^{\circ}\text{C}$

Storage Temperature :  $20^{\circ}\text{C} \sim 25^{\circ}\text{C}$  R.H. 65% (For Reference)

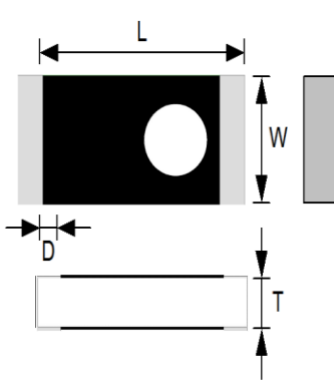
## 3.Marking:



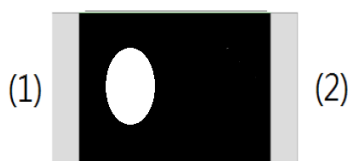
## 4.Standard Testing Condition:

	Unless otherwise specified	In case of doubt
Humidity	Ordinary Humidity(25 to 85% RH)	60 to 70 % RH
Temperature	Ordinary Temperature(15 to $35^{\circ}\text{C}$ )	$20 \pm 2^{\circ}\text{C}$

## 5.Configuration and Dimensions:

Figure	Dimensions(mm)	
	L	$3.2 \pm 0.2$
	W	$1.6 \pm 0.2$
	D	$0.5 \pm 0.2$
	T	$0.5 \pm 0.2$

TERMINAL CONFIGURATION



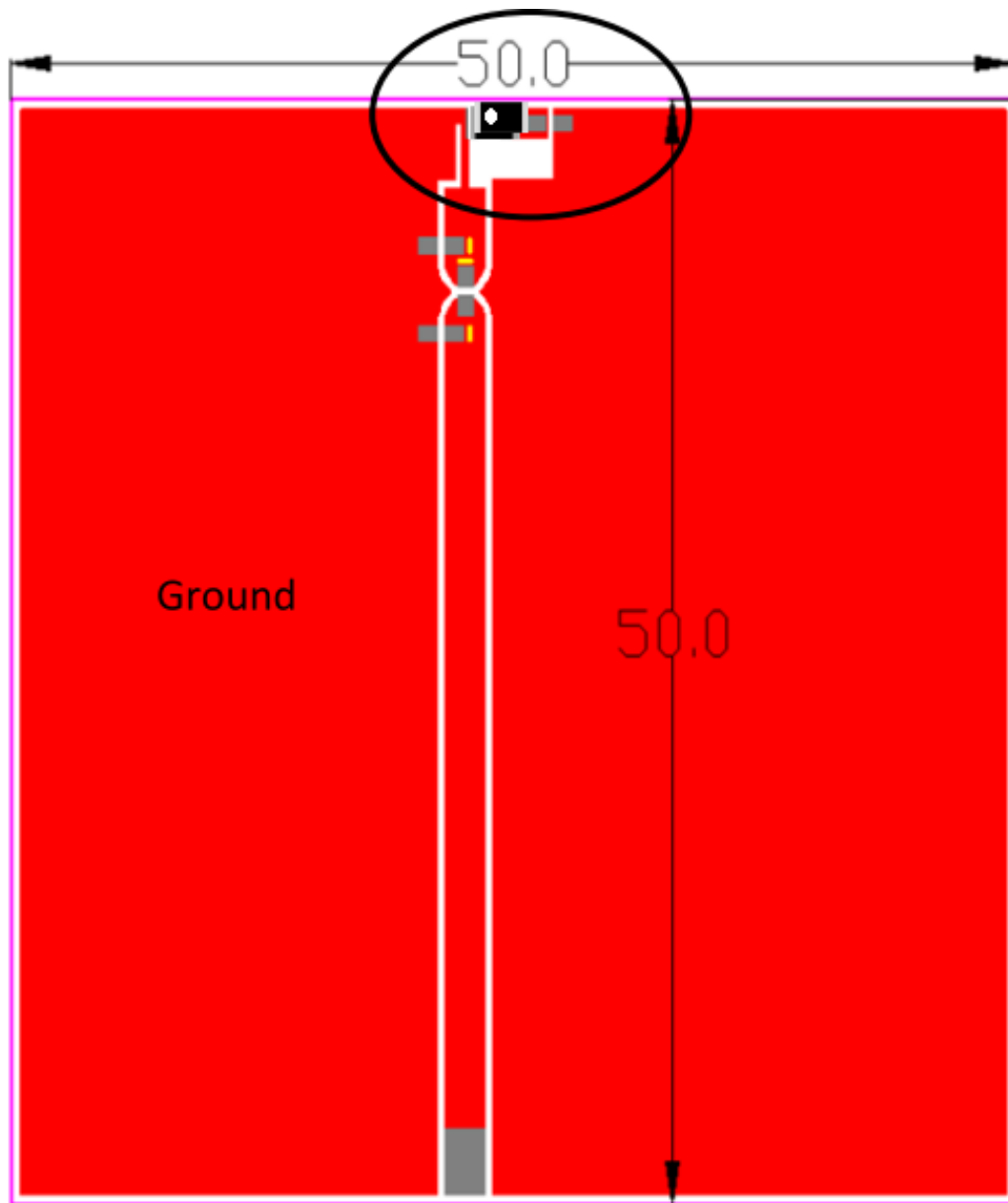
- (1) Feed Termination  
(2) Solder Termination

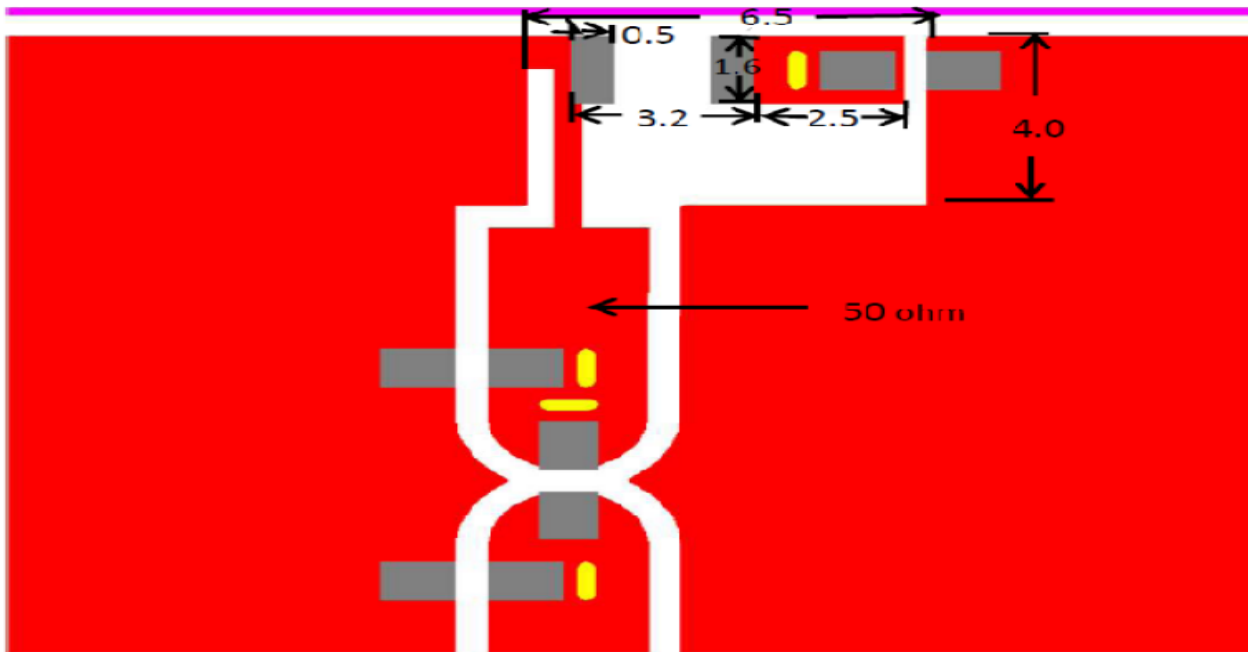
## 6. Electrical Characteristics:

Part No.	Impedance ( $\Omega$ )	Test Freq. (GHz)	Bandwidth* (MHz)	Peak Gain* (dBi)	VSWR (max)	Polarization (Linear)
1201-ANT-00061	50	2.4	100	2.00	2	Linear

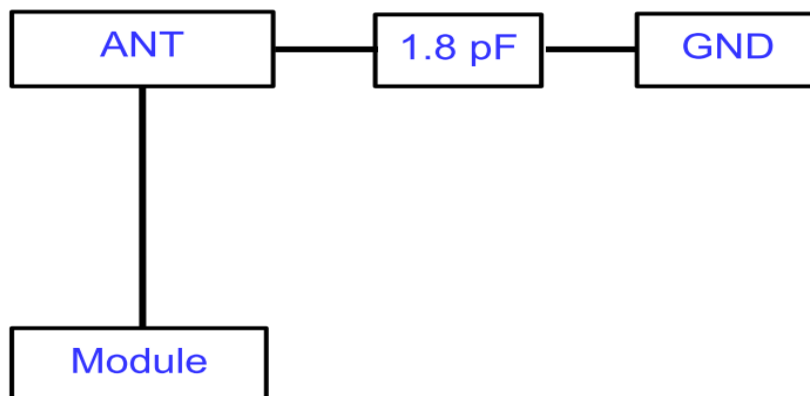
## 7. Dimensions and Recommended PC Board Pattern:

NOTE : Dimensions in mm

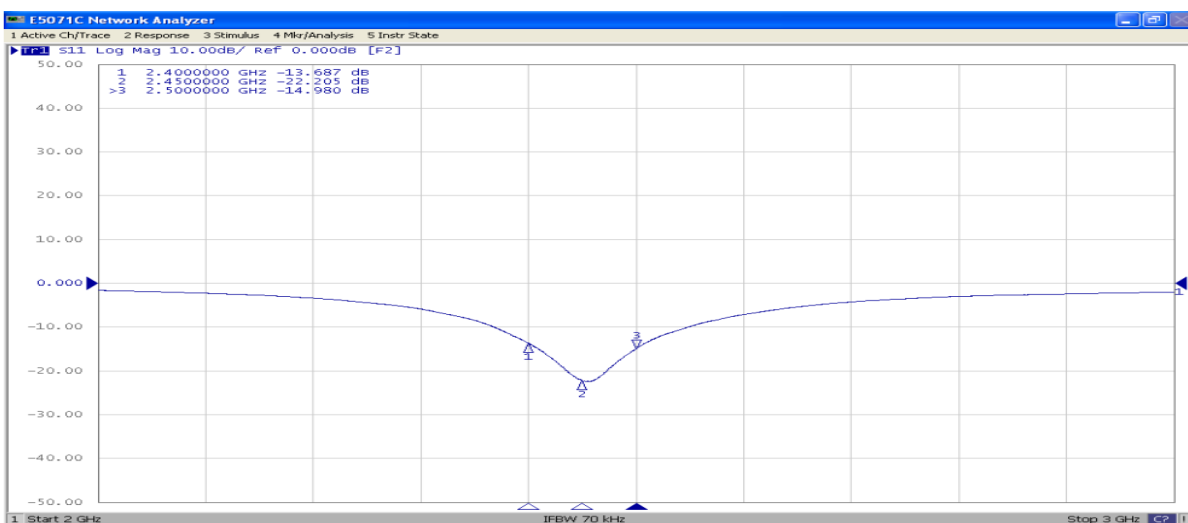




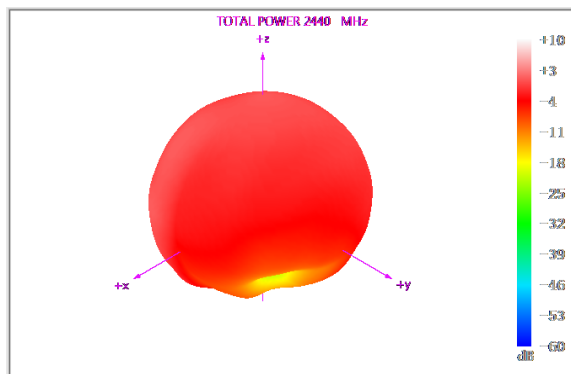
## 8. Matching Circuit:



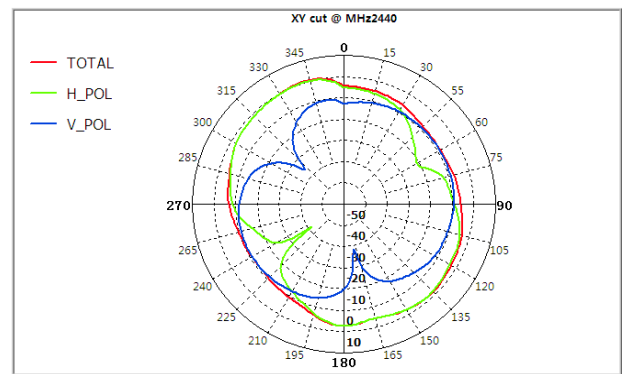
Return Loss



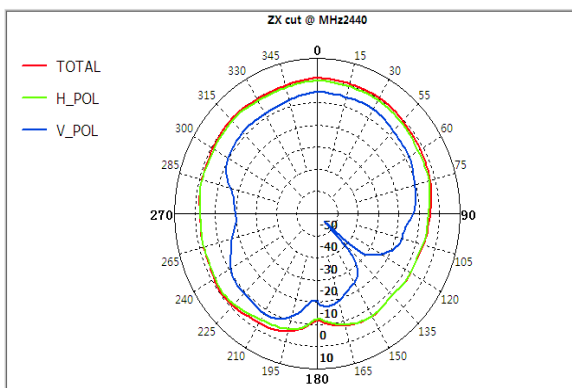
# 天线辐射方向图 Antenna radiation pattern



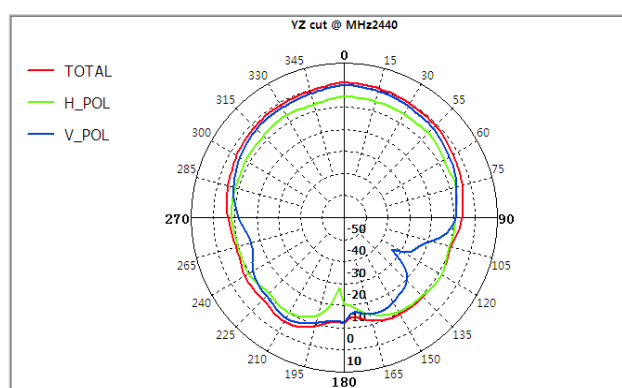
3D-plane@2.44GHz



2D-plane XOY @ 2.44GHz



2D-plane XOZ@2.44GHz



2D-plane YOZ @ 2.44GHz