

Address : Room 608, Building 4, 1970 Science and Technology Town, Minzhi Street, Longhua District, Shenzhen.

产品规格承认书

SPECIFICATIONS

客户:

CUSTOMER: _____

产品名称:

DESCRIPTION: Bipolar antenna

客户型号:

CUSTOMER PART NO: _____

产品型号:

OUR MODEL NO: **PBX2012MA04**

日期:

DATE: _____

确认签字, 盖章后请返回承认书一份

PLEASE RETURN TO US ONE COPY OF "SPECIFICATION FOR APPROVAL"

WITH YOUR APPROVED SIGNATURES

Approved	LiuFei	Audit	LiuFei	Making	LiuXiaoMei
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Customer Acknowledges Signature	
Date	

UNLESS OTHER SPECIFIED TOLERANCES ON:

X=± X.X=± X.XX=±
ANGLES = ± HOLEDIA = ±

SCALE: N/A

DRAWN BY: Sera

DESIGNED BY: Sera

TITLE: CHIP2450-1608 Specification



PengBanXingYeShenZhen Technology Co., Ltd

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PBX2012MA04 Specification

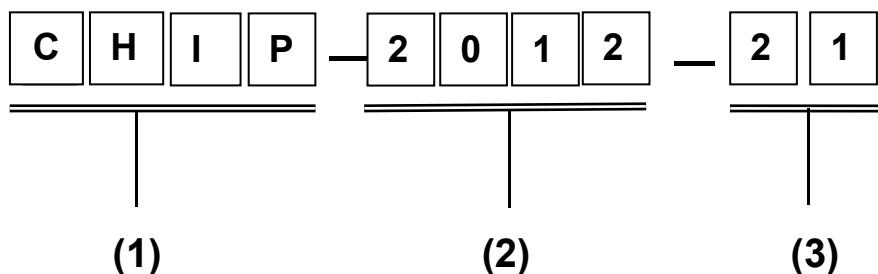
Operating Temp. : -40°C~+85°C

1. FEATURES:

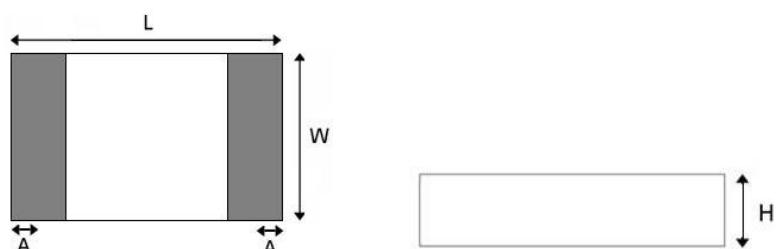
- Light weight, compact
- Wide bandwidth, low cost
- Built-in antenna with high gain

2. APPLICATIONS:

- Bluetooth, Wireless LAN, Mobile TV
- Home RF System, etc

3. PRODUCT IDENTIFICATION

- (1) Product type: Multilayer chip Antenna
 (2) External Dimensions (L×W) (mm): 2.0*1.2

4. SHAPE AND DIMENSIONS:**SHAPE AND DIMENSIONS**

L	W	H	A
2.0±0.2	1.2±0.2	0.55±0.1	0.4±0.1

UNLESS OTHER SPECIFIED TOLERANCES ON:

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ANGLES = \pm **HOLE DIA** = \pm

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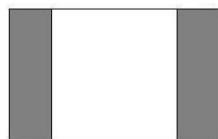
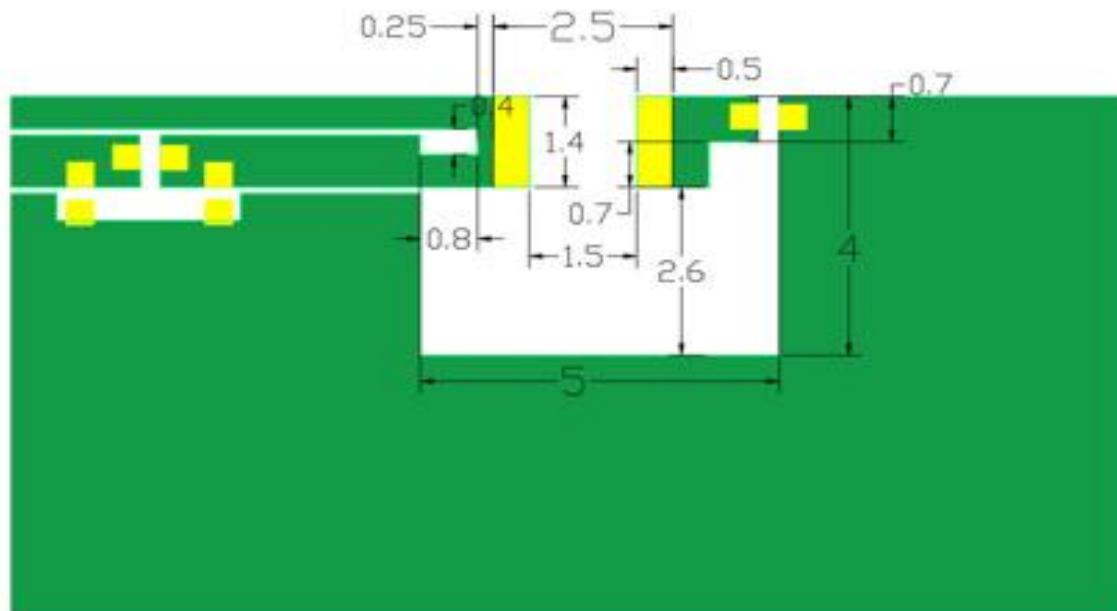
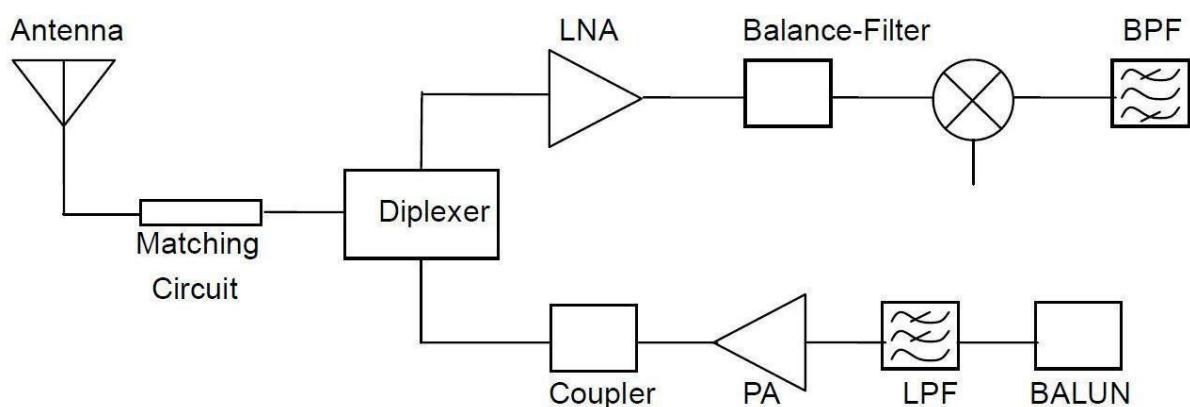
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TERMINAL-CONFIGURATION**EVALUATION BOARD****APPLICATION GUIDE**

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ANGLES = \pm	HOLE DIA = \pm	

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5. SPECIFICATIONS:

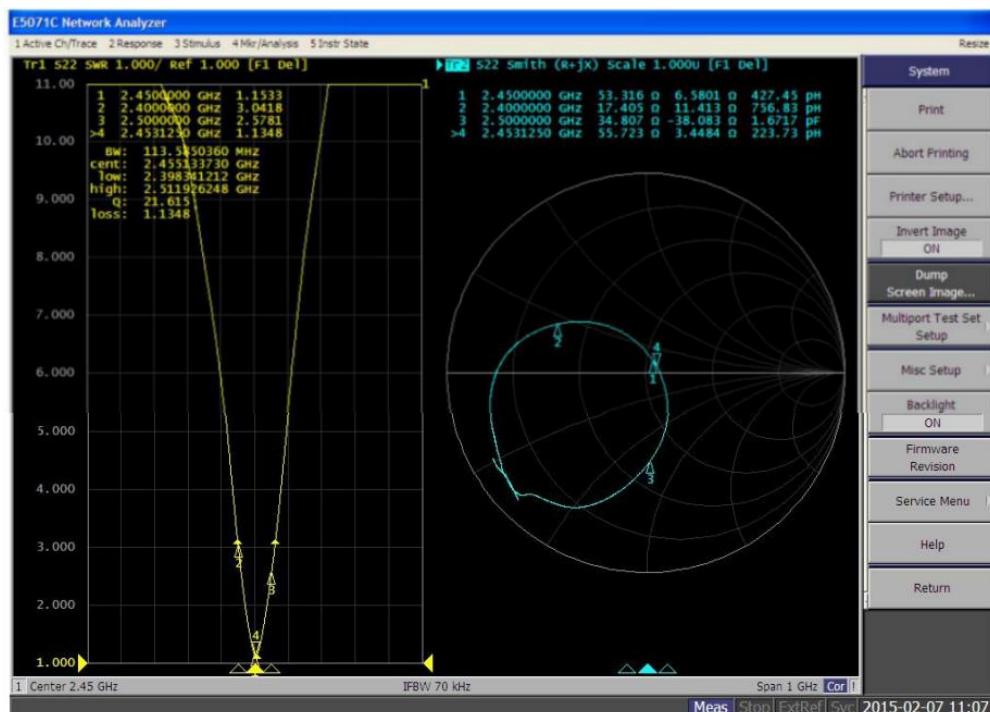
ITEM	SPECIFICATION
Frequency Band	2400MHz~2483MHz
VSWR	Less than 3
Polarization	Linear
*Peak Gain	2.48 dBi Typ.
*Peak Efficiency	72.6% Typ.
Impedance	50Ω Typ.

* Test condition: Test board size 98*65 mm

Matching circuit: Pi matching circuit will be required

6. Electrical Characteristics:

VSWR



Mark	Frequency	VSWR
1	2400 MHz	3.04
2	2450 MHz	1.15
3	2500 MHz	2.57

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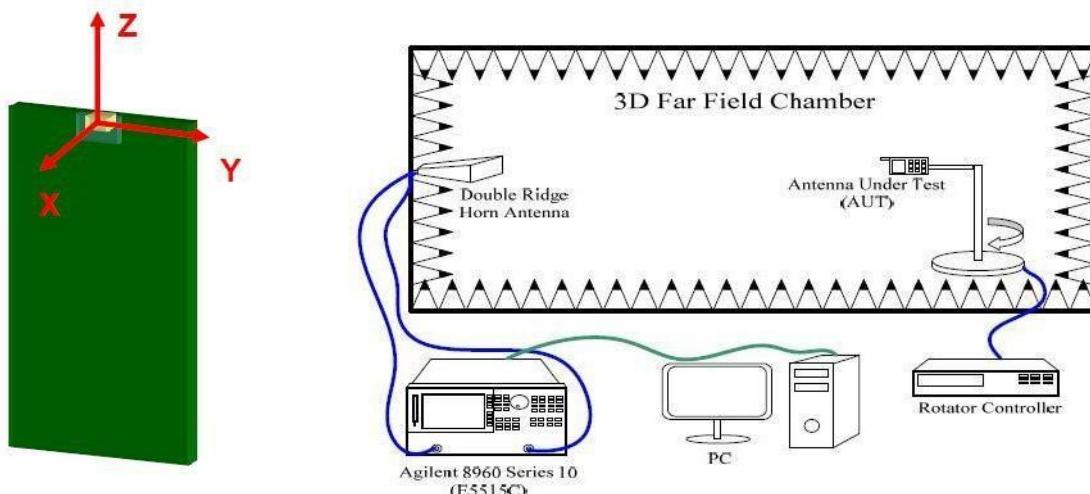
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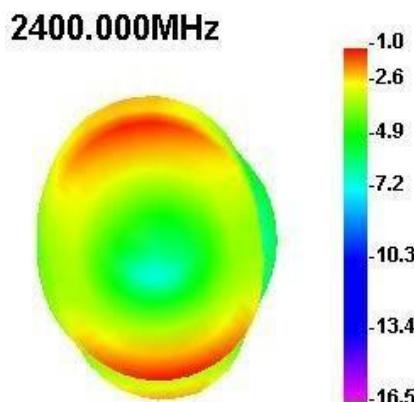
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Radiation Pattern

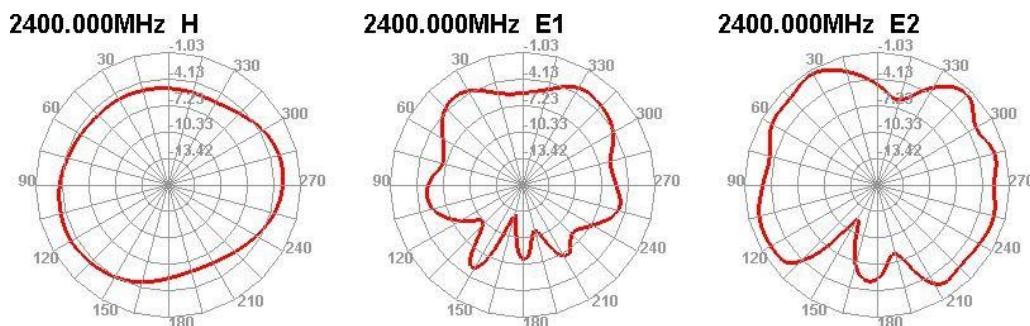
The Gain pattern is measured in INPAQ's FAR-field chamber. DUT is placed on the table of rotator, a standard horn antenna and Vector Network Analyzer is used to collect data.



3D Gain Pattern (2400 MHz)



2D Gain Pattern (2400 MHz)



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