

产品规格承认书

SPECIFICATIONS

客户:

CUSTOMER: _____

产品名称:

DESCRIPTION: Ceramic Antenna

客户型号:

CUSTOMER PART NO: _____

产品型号:

OUR MODEL NO: LTC-2012MA01

日期:

DATE: 2024/01/01

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

核准	王海	审核	康中主	制作	陈映宣
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客户确认签章 (APPROVED SIGNATURE)			

LTC2012MA01 Specification

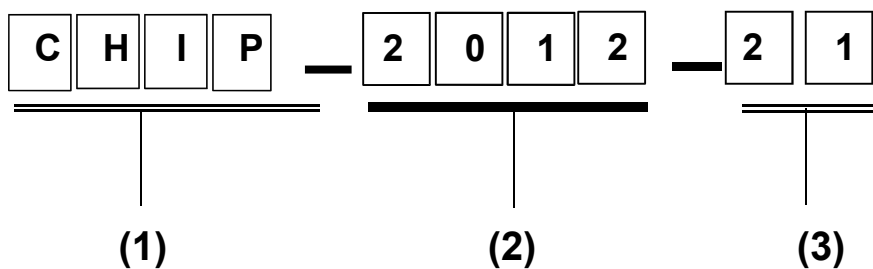
Operating Temp. : -40°C~+85°C

1. FEATURES:

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

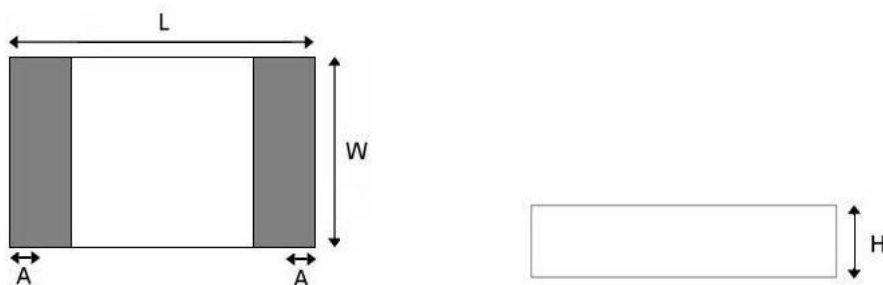
2. APPLICATIONS:

- 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**

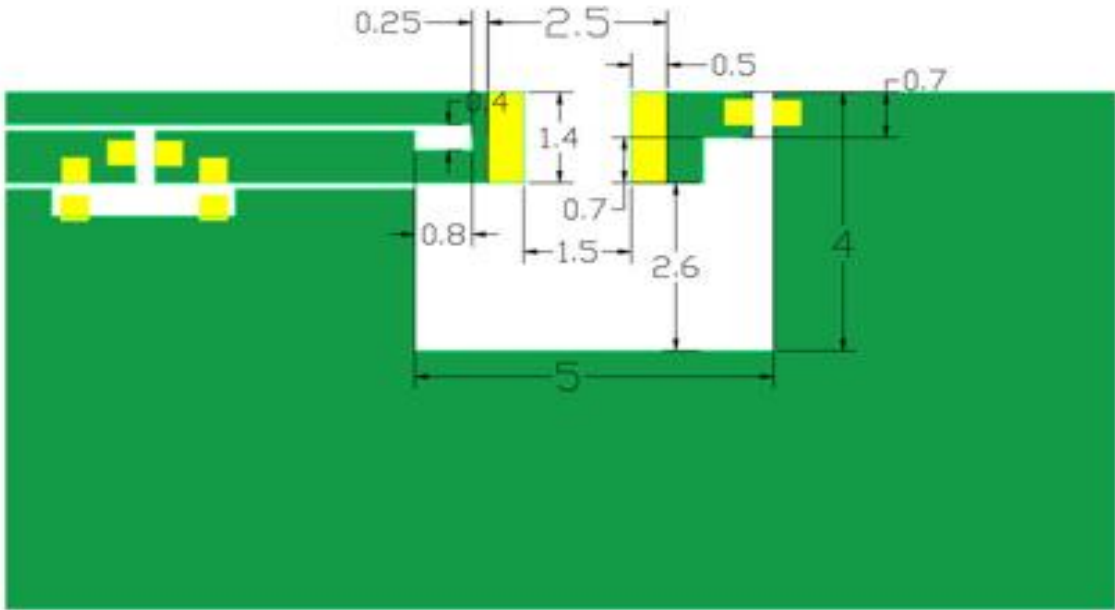
L	W	H	A
2.0±0.2	1.2±0.2	0.55±0.1	0.4±0.1

UNLESS OTHER SPECIFIED TOLERANCES ON: X=± X.X=± X.XX=± A N G L E S = ± H O L E D I A = ±		Shenzhen Litongchuang Technology Co., Ltd.	
SCALE: N/A	UNIT: mm		
DRAWN BY : Sera	CHECKED BY: XD		
DESIGNED BY: Sera	APPROVED BY: XD		
TITLE: CHIP2450-21 Specification		DOCUMENT NO.	SPEC REV.
		2024	P1

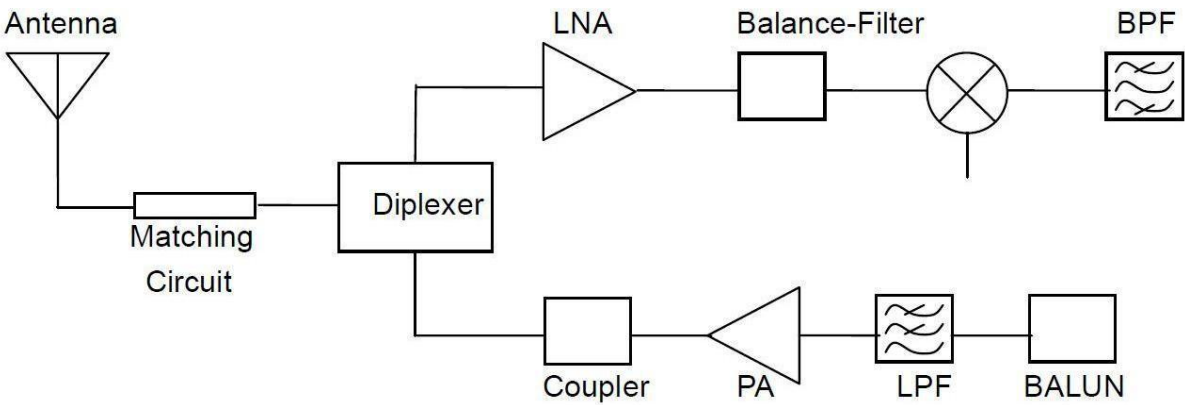
TERMINAL-CONFIGURATION



EVALUATION BOARD



APPLICATION GUIDE



UNLESS OTHER SPECIFIED TOLERANCES ON: X=± X.X=± X.XX= ANGLES=± HOLEDIA=±		Shenzhen Litongchuang Technology Co., Ltd.		
SCALE: N/A	UNIT: mm			
DRAWN BY : Sera	CHECKED BY: XD			
DESIGNED BY: Sera	APPROVED BY: XD			
TITLE: CHIP2450-21 Specification		DOCUMENT NO.	2024	SPEC REV. P1

5. SPECIFICATIONS:

ITEM	SPECIFICATION
Frequency Band	2400MHz~2500MHz
VSWR	Less than 3
Polarization	Linear
*Peak Gain	2.48 dBi
*Peak Efficiency	72.6% Typ.
Impedance	50 Ω Typ.

* Test condition: Test board size 98*65 mm

Matching circuit: Pi matching circuit will be required

6. Electrical Characteristics :

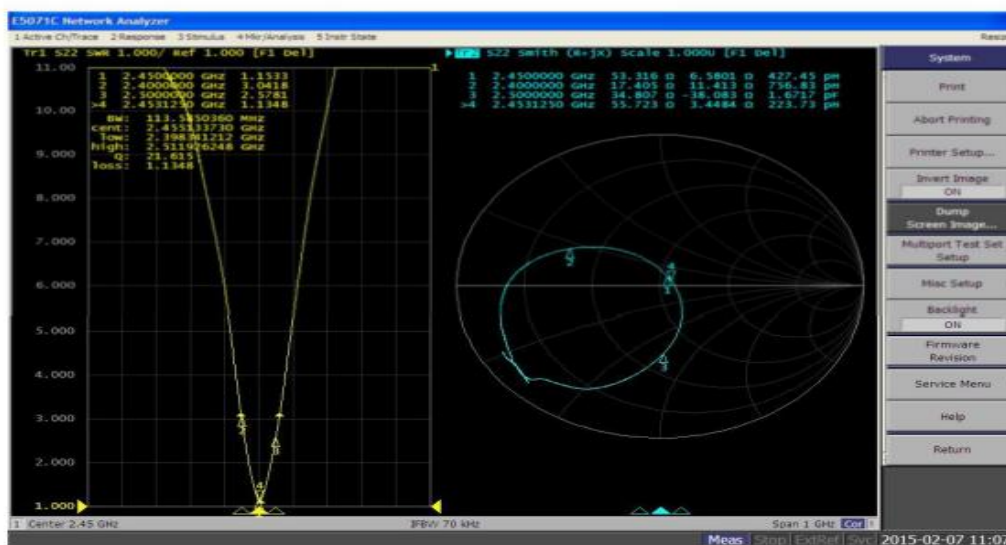
VSWR

* 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

UNLESS OTHER SPECIFIED TOLERANCES ON:

X=± X.X=± X.XX=±
 ANGLES=± HOLEDIA=±

Shenzhen Litongchuang Technology Co., Ltd.

SCALE: N/A

UNIT: mm

DRAWN BY : Sera

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TITLE: CHIP2450-21 Specification

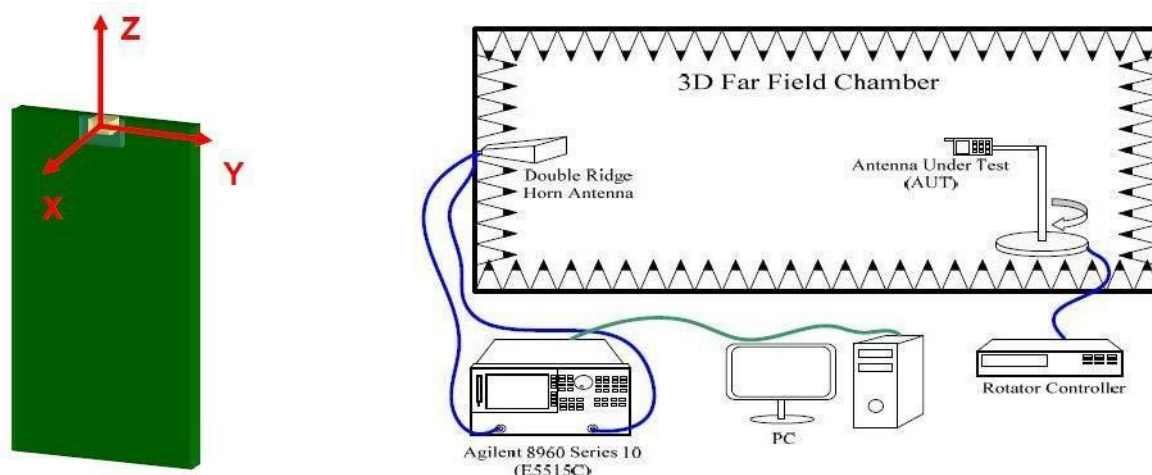
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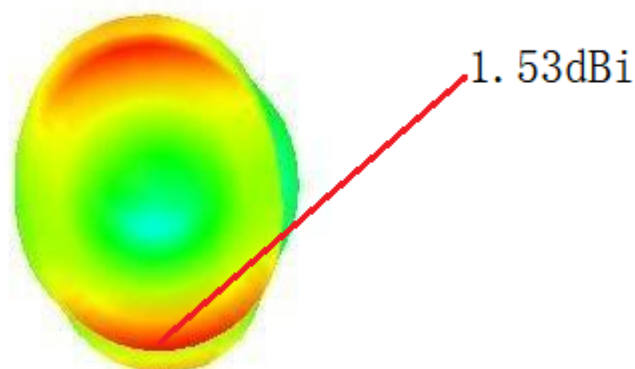
Radiation Pattern

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)

2400.000MHz



Frequency (MHz)	2400	2440	2500
Gain (dBi)	1.53	2.48	2.18

UNLESS OTHER SPECIFIED TOLERANCES ON:

X=± X.X=± X.XX=±
 ANGLES=± HOLEDIA=±

SCALE: N/A

UNIT: mm

DRAWN BY : Sera

CHECKED BY: XD

DESIGNED BY: Sera

APPROVED BY: XD

TITLE: CHIP2450-21 Specification

DOCUMENT
NO.

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