

PBX3216DA01 Specification

Operating Temp. : -40℃~+85℃

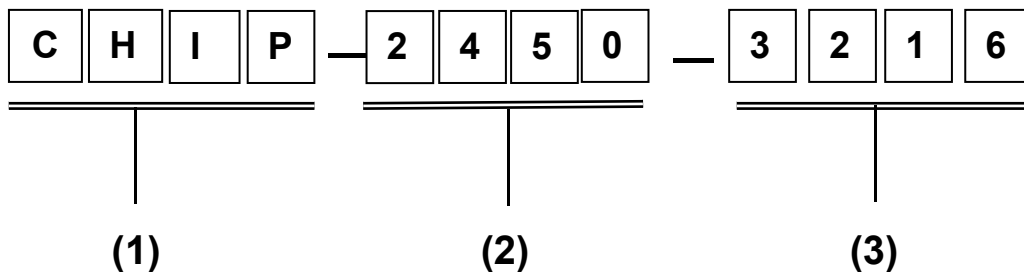
1. FEATURES:

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

2. APPLICATIONS:

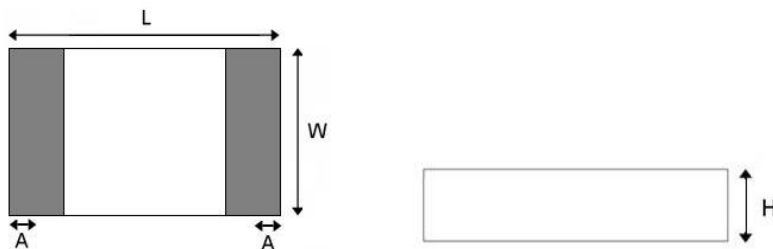
- Bluetooth, Wireless LAN, Mobile TV
- Home RF System, etc

3. PRODUCT IDENTIFICATION




- (1) Product type: Multilayer chip Antenna
 (2) Center Frequency: 2450MHz
 (3) External Dimensions (L×W) (mm): 3.2*1.6

4. SHAPE AND DIMENSIONS:

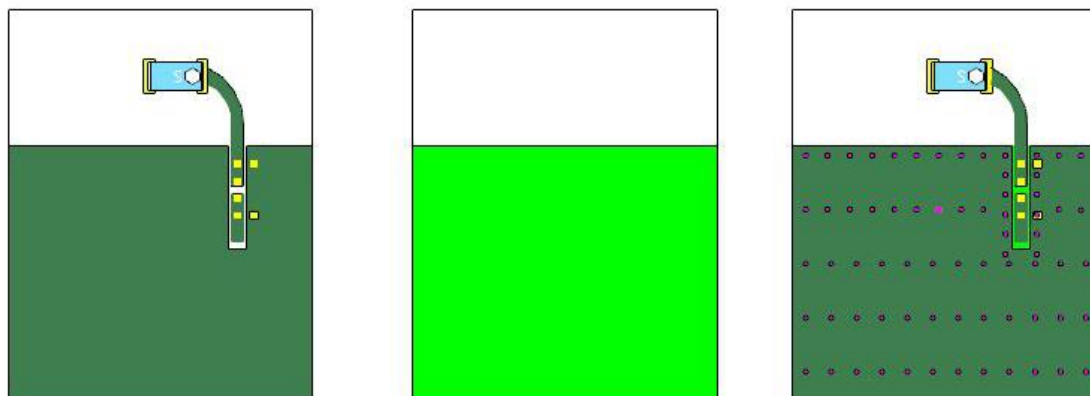


L	W	H	A
3.2±0.2	1.6±0.2	0.52±0.1	0.4±0.1

UNLESS OTHER SPECIFIED TOLERANCES ON: X=± X.X=± X.XX= ANGLES = ± HOLEDIA = ±		 深圳市朋伴兴业科技有限公司	
SCALE: N/A	UNIT: mm	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF PBXY TECHNOLOGY Limited AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION	
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DESIGNED BY: Sera	APPROVED BY: XD		
TITLE: CHIP2450-3216 Specification		DOCUMENT NO.	<div>3216</div> <div>SPEC REV. P1</div>

测试板参考尺寸:

单位: mm



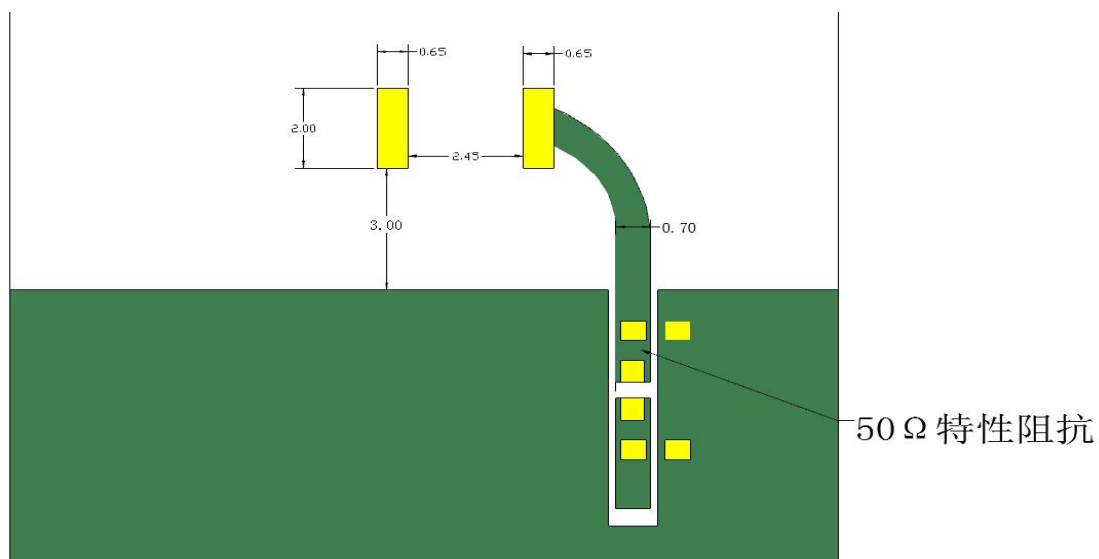
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 顶层铺铜

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 底层铺铜

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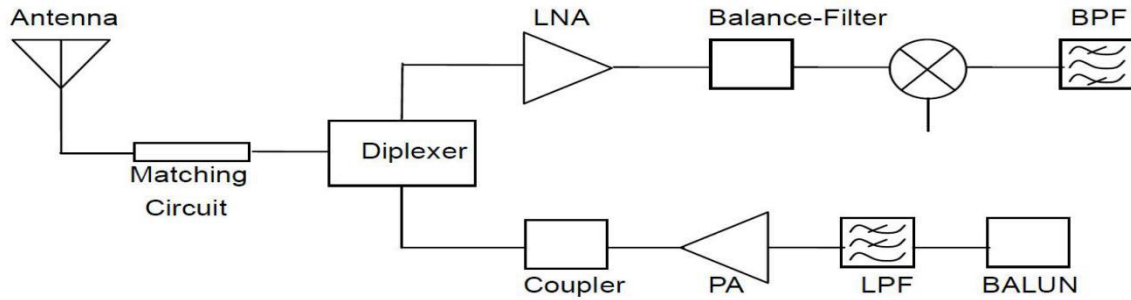
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APPLICATION GUIDE**5. SPECIFICATIONS:**

No.	Product number	PBX3216DA01	
1	Central Frequency	2440	MHz
2	Bandwidth	100 (Min.)	MHz
3	Return Loss	-11.96 (Max.)	dB
4	Peak Gain	1.73	dBi
5	Impedance	50	Ω
6	Operating Temperature	-40~+85	$^{\circ}\text{C}$
7	Maximum Power	5	W
8	Resistance to soldering heat	10 (@260 $^{\circ}\text{C}$)	Sec.
9	Polarization	Linear	
10	Azimuth Beam width	Omni-directional	
11	Termination	Sn (leadless)	

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6. Electrical Characteristics :



Frequency (MHz)	2400	2450	2500
Avg. Gain (dBi)	-1.83	-1.86	-2.97
Peck Gain (dBi)	1.73	1.58	1.34
Efficiency (%)	65.5	65.22	50.45

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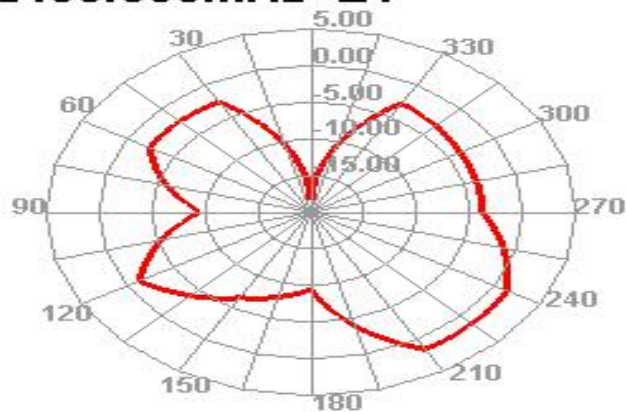
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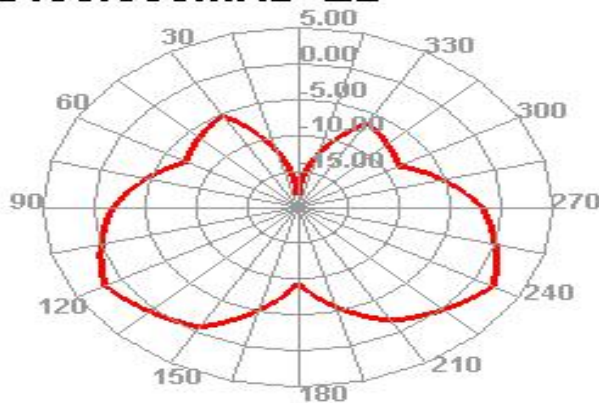
X-Y Plane

2450.000MHz E1



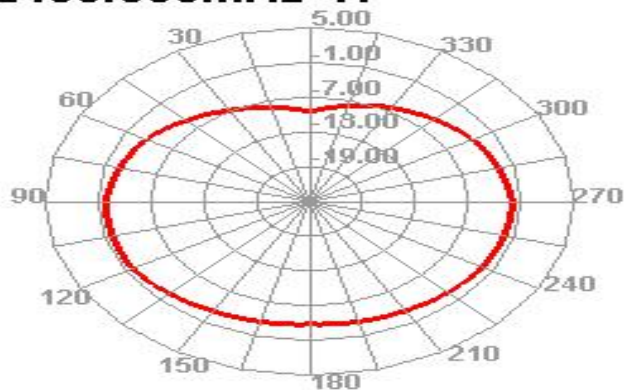
X-Y Plane

2450.000MHz E2



X-Y Plane

2450.000MHz H



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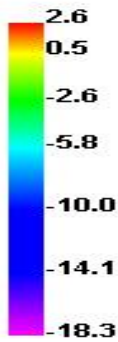
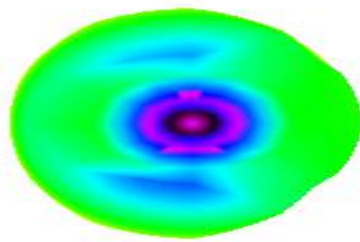
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3D Radiation Pattern

2450.000MHz



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