

**PBX3216DA01 Specification**

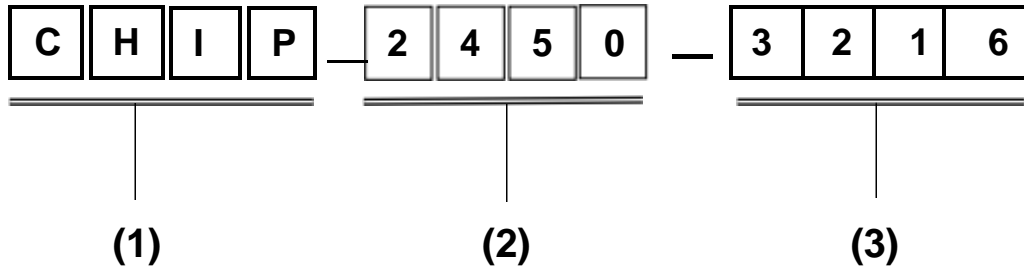
Operating Temp. : -40℃~+85℃

**1. FEATURES:**

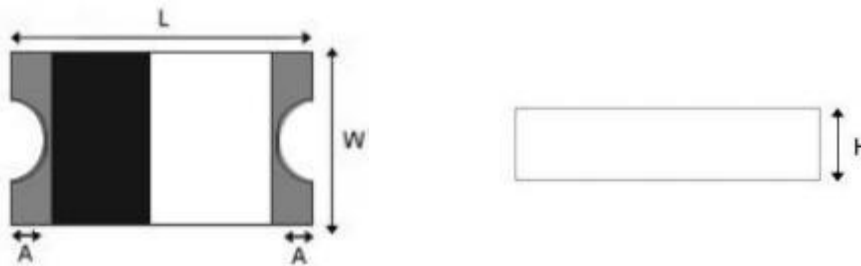
- Light weight, compact
- Wide bandwidth, low cost
- Built-in antenna with high gain

**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	0.75±0.1	0.4±0.1

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$X = \pm$        $X.X = \pm$        $X.XX =$   
**ANGLES** =  $\pm$       **HOLE DIA** =  $\pm$



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**SCALE:** N/A**UNIT:** mm**DRAWN BY :** Sera**CHECKED BY:** XD**DESIGNED BY:** Sera**APPROVED BY:** XD

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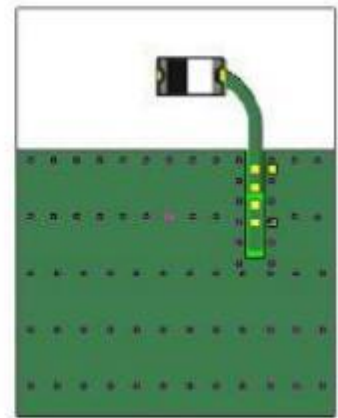
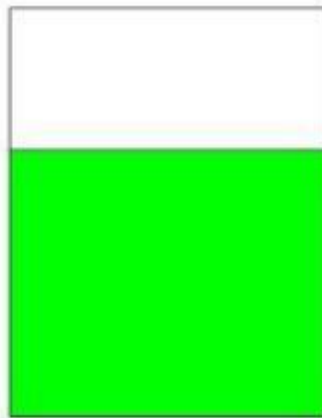
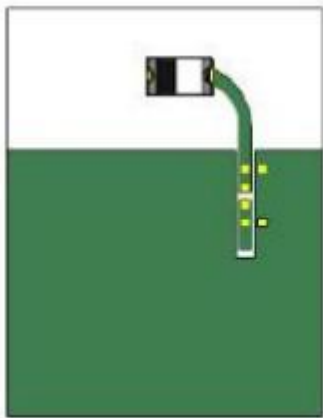
**TITLE:** CHIP2450-3216 Specification

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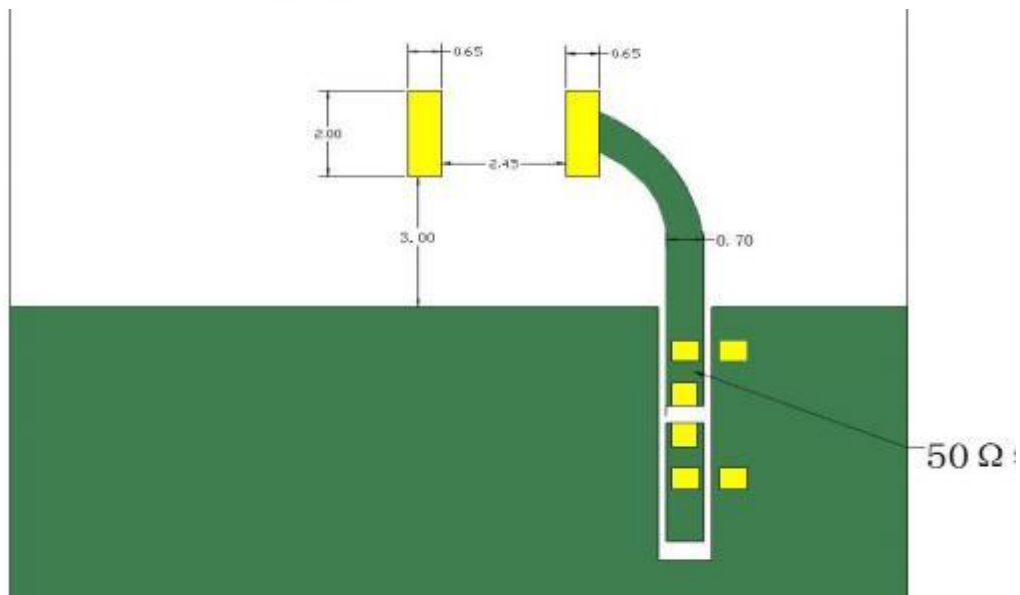
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Test board reference size: (Note: When mounting, please turn the white end of the antenna towards the chip)

Units: mm



CHIP2450-3216



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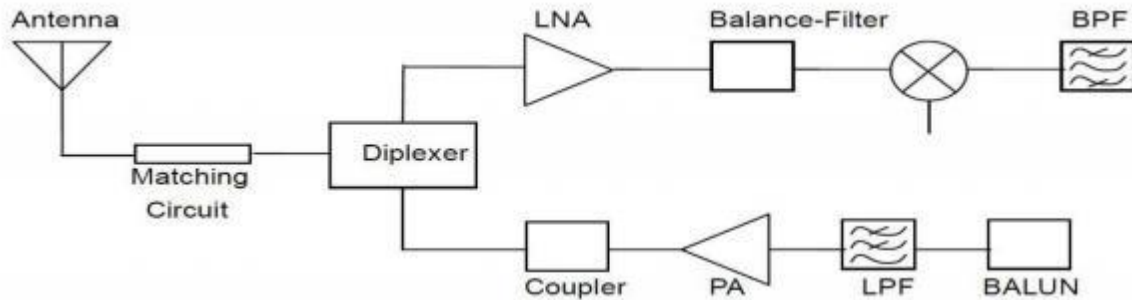
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**APPLICATION GUIDE****5. SPECIFICATIONS:**

No.	Product number	PBX3216DA01	
1	Central Frequency	2440	MHz
2	Bandwidth	100 (Min.)	MHz
3	Return Loss	-11.96 (Max.)	dB
4	Peak Gain	2.7	dBi
5	Impedance	50	$\Omega$
6	Operating Temperature	-40~+85	°C
7	Maximum Power	5	W
8	Resistance to soldering heat	10 (@260°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)	2.7	2.58	1.34
Efficiency (%)	65.5	65.22	50.45

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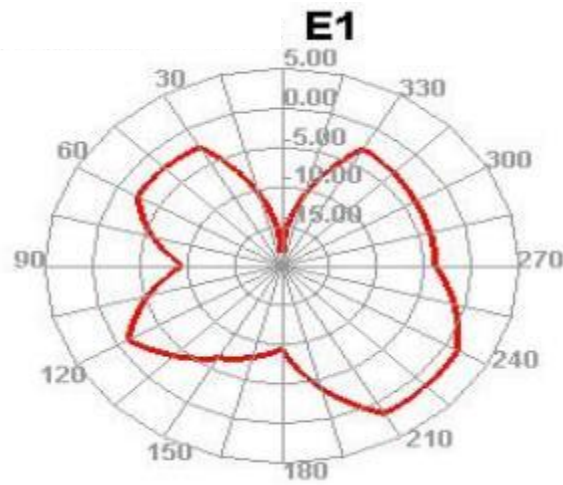
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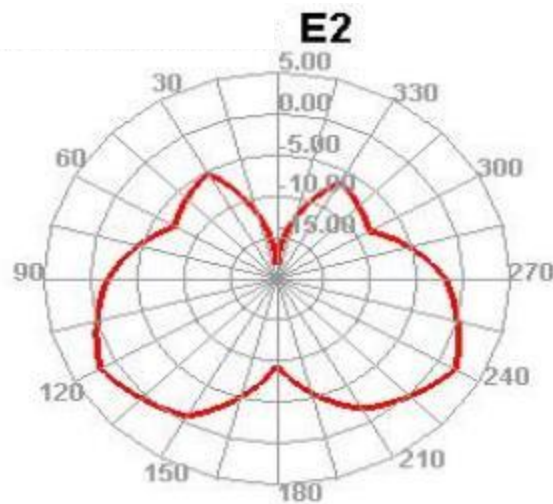
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P1

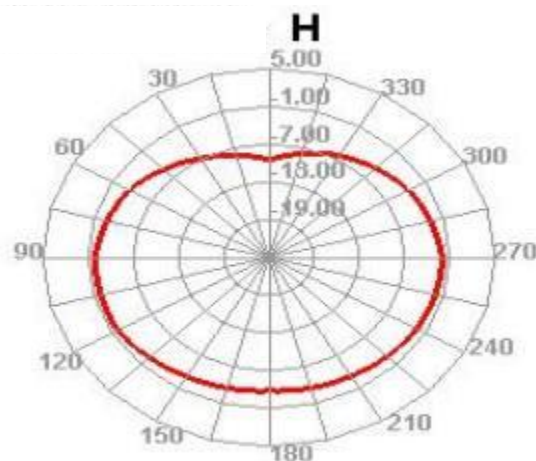
## X-Y Plane



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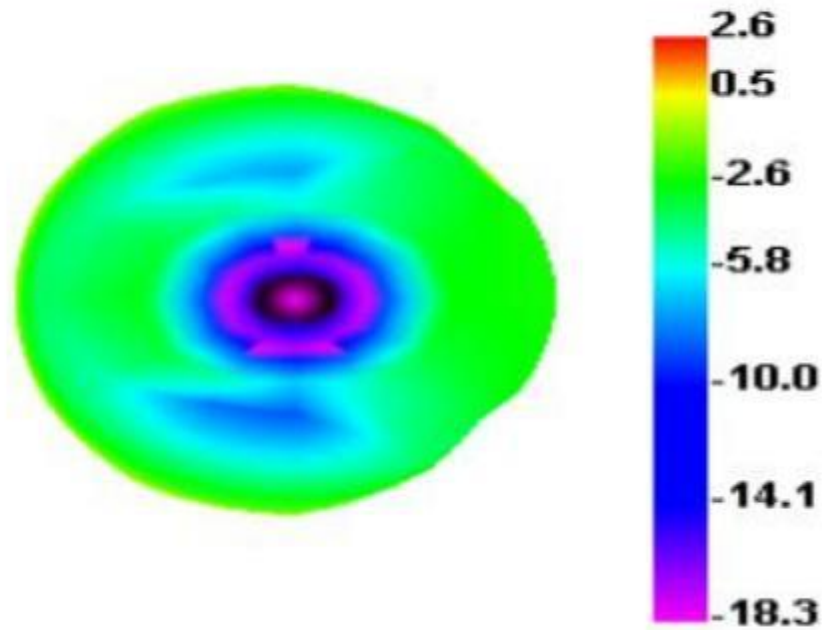
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### 3D Radiation Pattern



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