PBX3216DA01 Specification

Operating Temp. : -40℃~+85℃

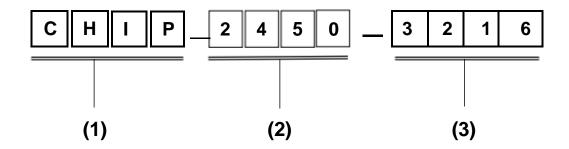
1. FEATURES:

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

2. APPLICATIONS:

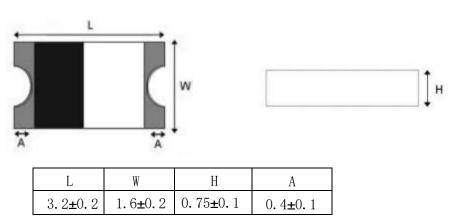
- Bluetooth, Wireless LAN, Mobile TV
- Home RF System, etc

3. PRODUCT IDENTIFICATION



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

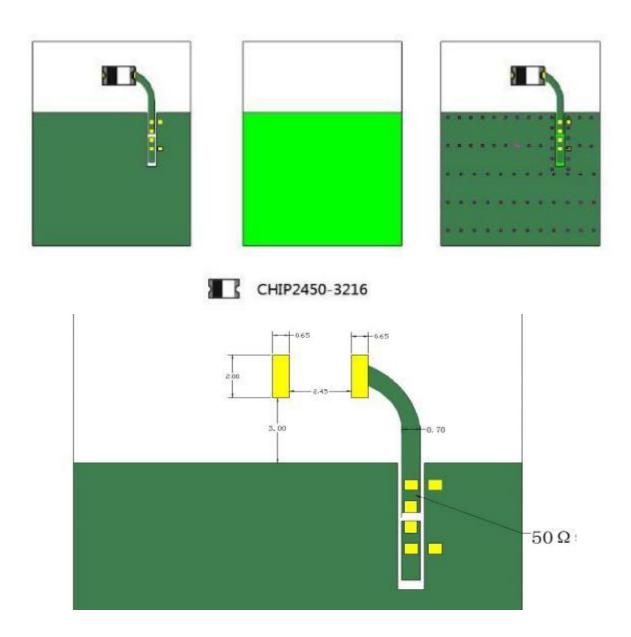
4. SHAPE AND DIMENSIONS:



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

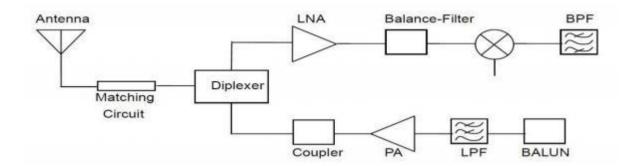
Units: mm



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APPLICATION GUIDE

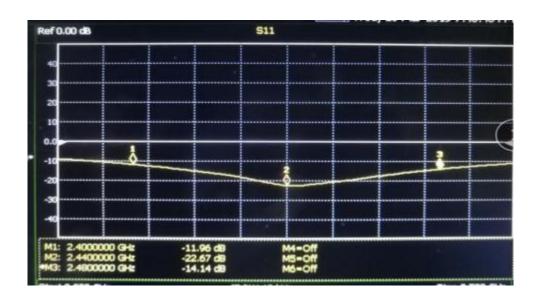


5. SPECIFICATIONS:

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	Ω
6	Operating Temperature	-40~+85	C
7	Maximum Power	5	W
8	Resistance to soldering heat	10 (@260℃)	Sec.
9	Polarization	Linear	
10	Azimuth Beam width	Omni-directiona	I
11	Termination	Sn (leadless)	

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TITLE: CHIP2450-3216	Specification	DOCUMENT NO.	3216	SPEC REV.

6. Electrical Characteristics:

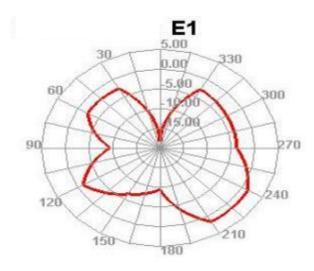




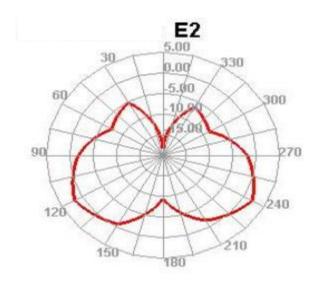
Frequency (MHz)	2400	2450	2500
Avg. Gain (dBi)	-1.83	-1.86	-2.97
Peck Gain (dBi)	2.7	2.58	1.34
Efficiency (%)	65.5	65.22	50.45

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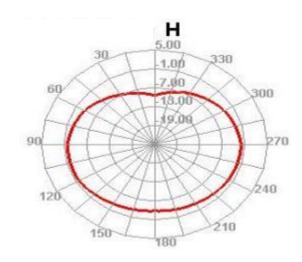
X-Y Plane



X-Y Plane

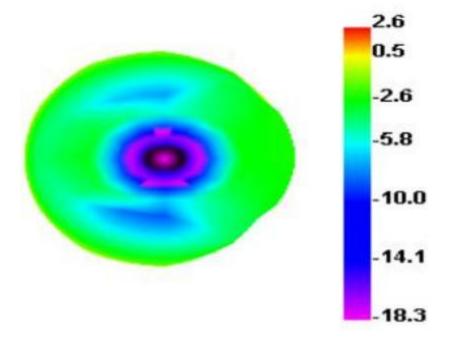


X-Y Plane



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3D Radiation Pattern



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