

# Compact 2.4GHz WiFi/Bluetooth Patch Antenna



APAKN1304-S2450-T



13.0 x 13.0 x 4.0mm  
RoHS/RoHS II Compliant  
MSL - 1

## FEATURES

- Compact 13.0 x 13.0mm size
- High gain of 5 dBi
- Linear polarization
- Low VSWR
- Surface mount patch antenna

## APPLICATIONS

- WiFi
- Bluetooth
- ZigBee
- ISM
- Wearables
- Mobile and portable

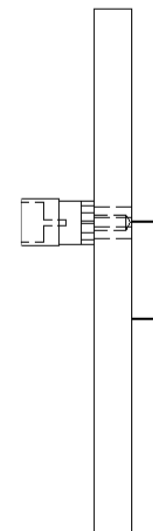
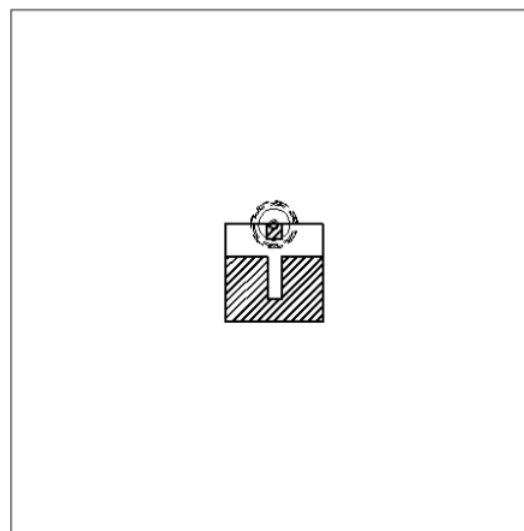
## Electrical Specifications

Parameters	Min.	Typ.	Max.	Units	Note
Receiving Frequency Range		2412 - 2484		MHz	(On a 70*70mm Ground Plane)
Bandwidth		40		MHz	Min (@ -5dB)
Return Loss		< -10 @ CF			
Peak Gain		5.0		dBi	
Polarization Model		Linear			
Impedance		50		$\Omega$	
Frequency Temperature Coefficient		20		ppm/ $^{\circ}$ C	Max

(\*) Application environment, including size of the ground plane, proximity to adjacent components, etc., will affect stated performance. Fine tuning might be required when installed on end-customer's PCB. Abracon offers Antenna Optimization Service, please contact Abracon.

## Test Conditions and Test Setup

Parts shall be measured under a condition (Temp.:20 $^{\circ}$ C $\pm$ 15 $^{\circ}$ C, Humidity: 65% $\pm$ 20% R.H.).



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