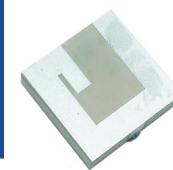


# 5GHz WiFi Ceramic Patch Antenna



APAKN1304-S5517-T

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

## FEATURES

- High gain of 6 dBi
- 5.15 - 5.85 GHz band operation
- Small form factor of 13.0 x 13.0 x 4.0 mm

## APPLICATIONS

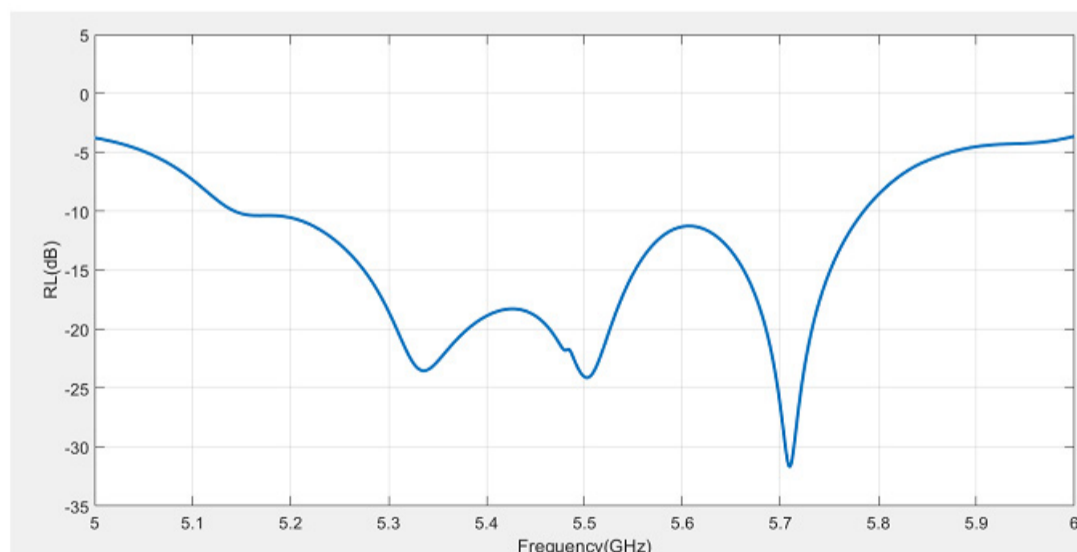
- WiFi
- ISM applications

## ELECTRICAL SPECIFICATIONS

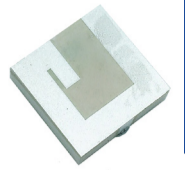
Parameters	min	Typ.	Max.	Units	Note
Receiving Frequency Range	5150		5885	MHz	( On a 70*70mm Ground Plane )
Bandwidth	500			MHz	(Return loss $\leq$ -10dB)
Return Loss			-10	dB	(at CF)
Gain		6.0		dBi	(Peak gain)
Polarization Model	Linear				
Impedance	50			$\Omega$	
Frequency Temperature Coefficient			20	ppm/ $^{\circ}$ C	

(\*) 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.

## RETURN LOSS CHARACTERISTIC



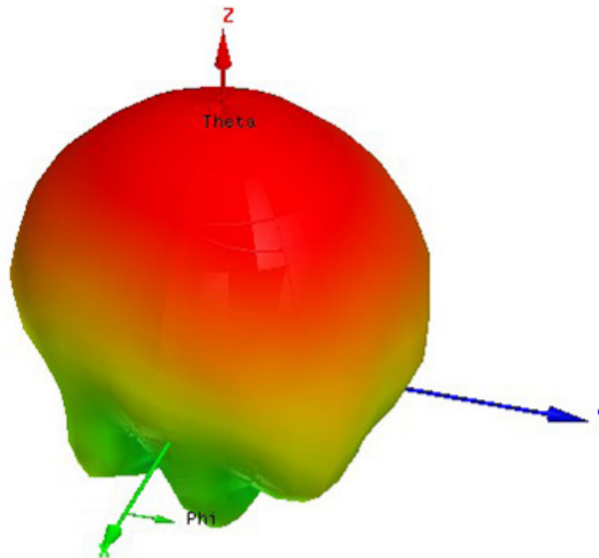
# 5GHz WiFi Ceramic Patch Antenna



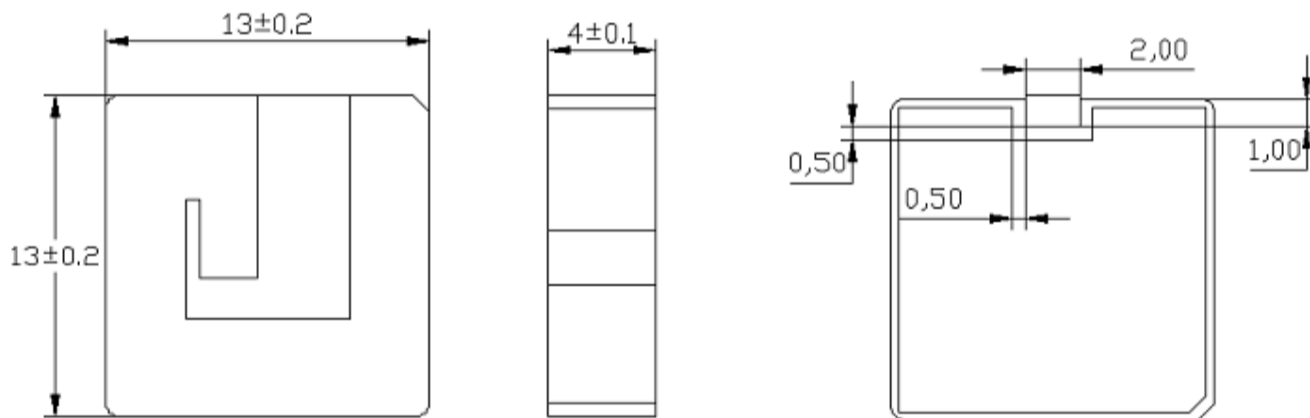
APAKN1304-S5517-T

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

## RADIATIONPATTERN(3D)



## OUTLINEDIMENSIONS

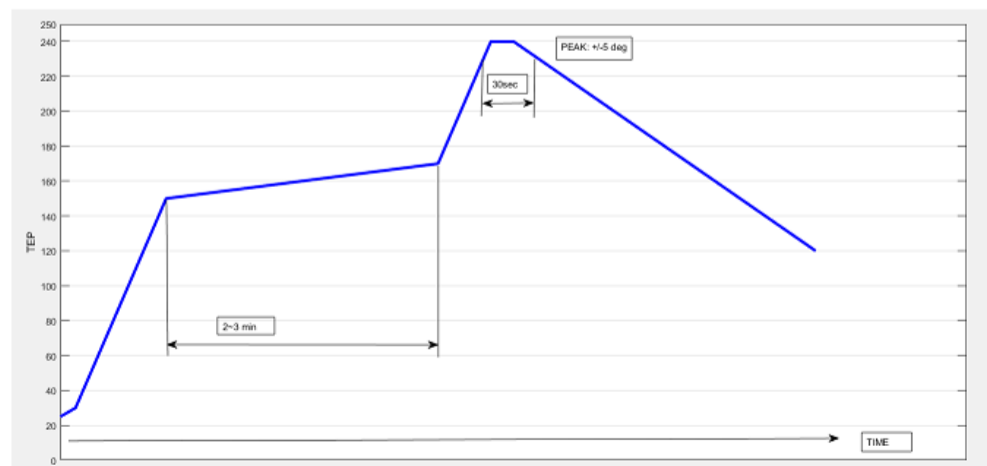


Unit: mm

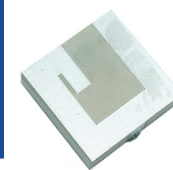
General Tolerance:  $\pm 0.3$ mm

## RECOMMENDEDREFLOWSOLDERINGPROFILE

Solder Paste: Sn/Ag/Cu: 96.5/3.0/0.5  
Recommended reflow condition:



# 5GHz WiFi Ceramic Patch Antenna



APAKN1304-S5517-T

13.0 x 13. x 4.0mm  
RoHS/RoHS II Compliant  
MSL =1

## PACKAGING

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Package is made of corrugated paper with thickness of 0.8cm. Carton has 8 inner boxes; each inner box has 1 vacuum bag.

Quantity:

Per package base	: 50 elements
Per vacuum bag	: 5 package bases
Per inner box	: 1 vacuum bag
Per package	: 8 inner boxes
Total No of pieces/package	: 2000
Gross Weight	: 9Kg
Carton dimensions	: 52x29x16cm