



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

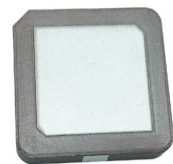
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# GPS/Galileo + GLONASS Ceramic Patch Antenna



APAKN1804-C2G-T

18.0 x 18.0 x 4.0mm  
RoHS/RoHS II Compliant  
MSL = 1

## FEATURES

- Gain of 2.8 dBi
- 1575.42 and 1602 MHz bands
- RHCP polarization
- 18.0 x 18.0 x 4.0mm form factor

## APPLICATIONS

- GPS/GNSS
- Galileo
- GLONASS
- IoT
- Remote technology/monitoring
- M2M

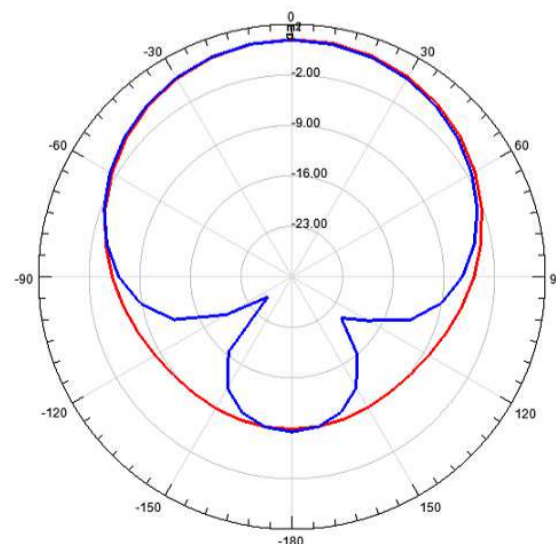
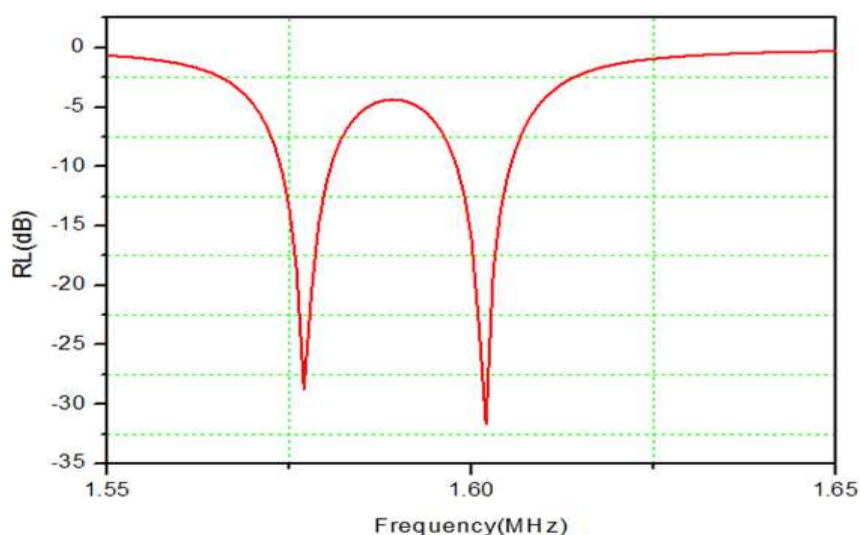
## ELECTRICALSPECIFICATIONS

Parameters	min	Typ.	Max.	Units	Note
<b>Application Band: GPS / Galileo</b>		1575.42±1.023		MHz	( On a 70*70mm Ground Plane )
Return Loss: GPS / Galileo			-10	dB	
Gain (Peak): GPS / Galileo		2.8		dBi	
<b>Application Band: GLONASS</b>		1602±5.0		MHz	( On a 70*70mm Ground Plane )
Return Loss: GLONASS			-10	dB	
Gain (Peak): GLONASS		2.9		dBi	
Polarization Model		RHCP			
Impedance		50		Ω	
Frequency Temperature Coefficient			20	ppm/°C	

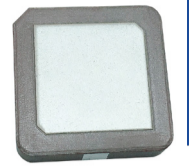
(\*) Application environment, including size of the ground plane, proximity to adjacent components, etc., will affect stated performance. Fine tuning might be required when installed on end-customer's PCB. Abracon offers Antenna Optimization Service, please contact Abracon.

## RETURNLOSSCHARACTERISTIC

## RADIATIONPATTERN(XY-PLANE)



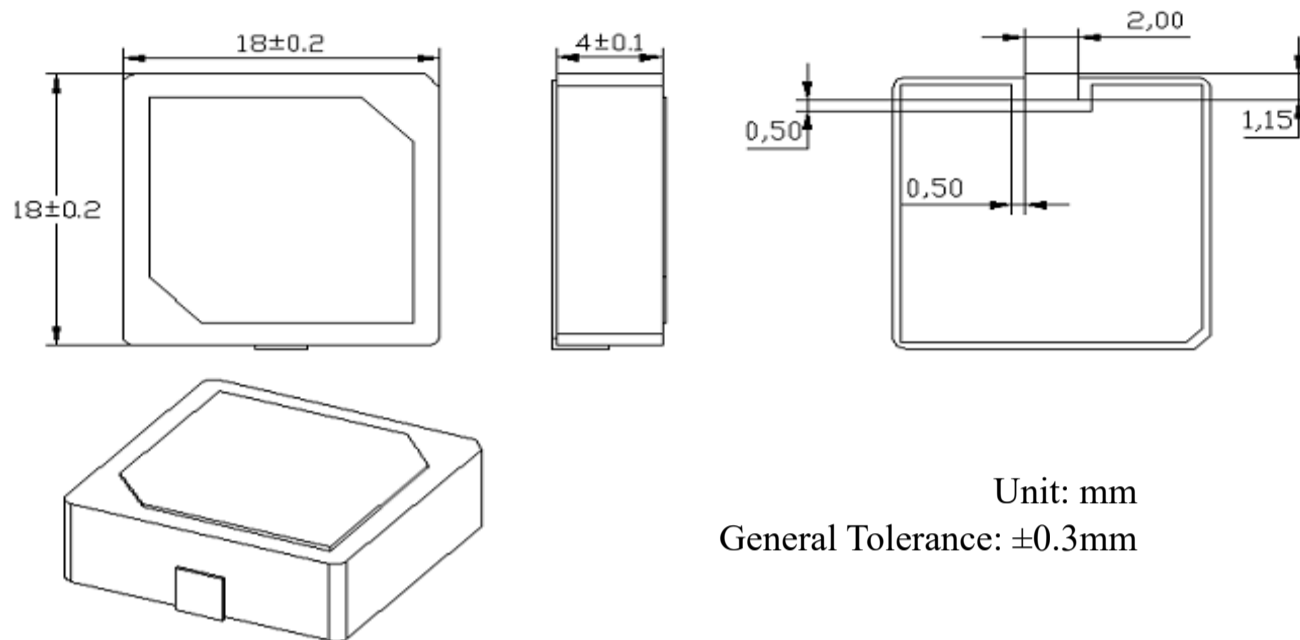
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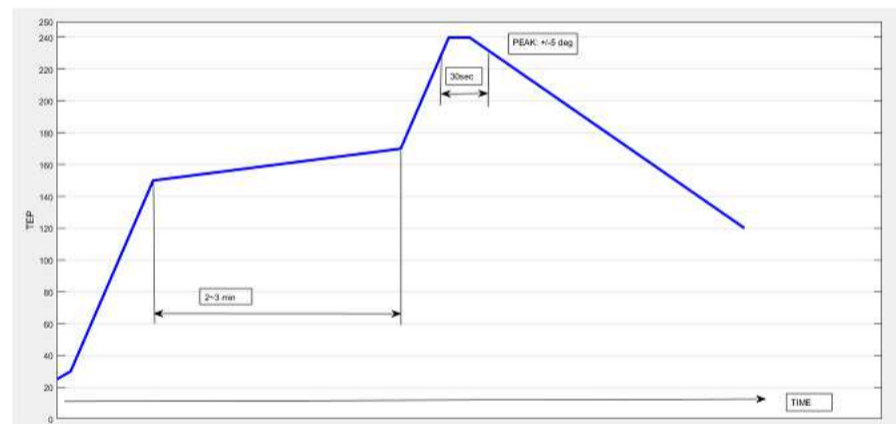
## OUTLINE DIMENSIONS



## RECOMMENDED REFLOW SOLDERING PROFILE

Solder Paste: Sn/Ag/Cu: 96.5/3.0/0.5

Recommended reflow condition:



## PACKAGING

Package is made of corrugated paper with thickness of 0.8cm. Carton has 4 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	: 4 inner boxes
Total No of pieces/package	: 1000
Gross Weight	: 8 Kg
Carton Dimensions	: 36x32x19cm