

# GPS/Galileo + GLONASS Ceramic Patch Antenna



APAKN1304-C2G-T

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

## FEATURES

- Gain of 2.6 dBi
- 1575.42 MHz frequency
- RHCP Polarization
- 13.0 x 13.0 x 4.0mm form factor
- GPS/Galileo and Glonass

## APPLICATIONS

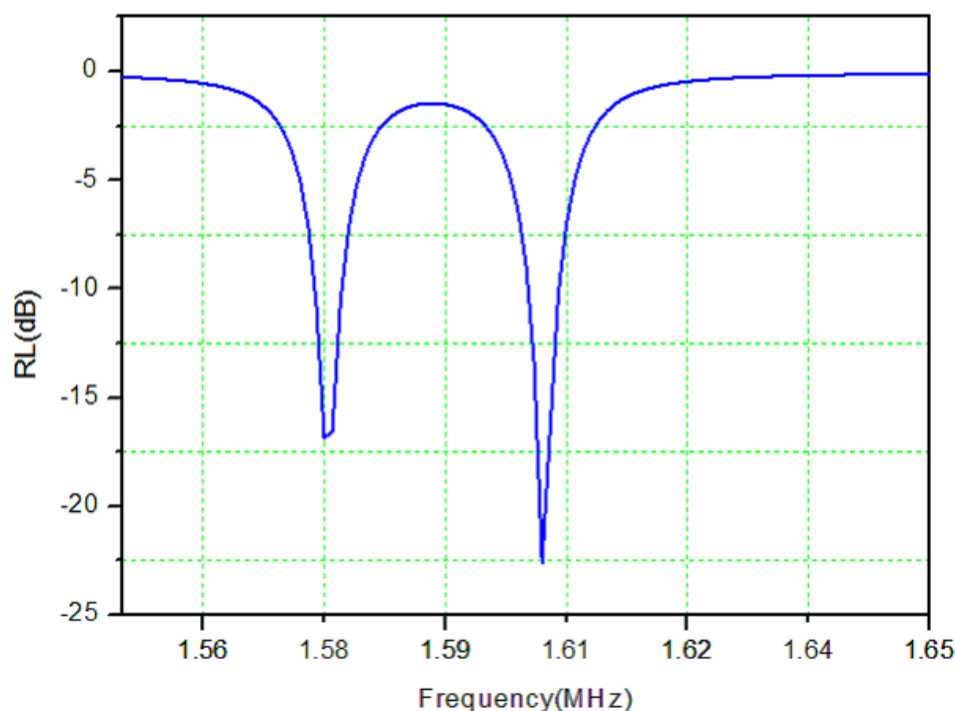
- GPS/GNSS
- Galileo
- GLONASS
- IoT
- Remote technology/monitoring
- M2M

## ELECTRICAL SPECIFICATIONS

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		2.6		dBi	
<b>Application Band: GLONASS</b>		1602±5.0		MHz	( On a 70*70mm Ground Plane )
Return Loss: GLONASS			-10	dB	
Gain (Peak): GLONASS		2.4		dBi	
Polarization Model	RHCP				
Impedance	50			$\Omega$	
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.

## RETURN LOSS CHARACTERISTIC



Return Loss characteristic shows a dual band response for GPS/Galileo & GLONASS R.H.).



5101 Hidden Creek Ln Spicewood TX 78669  
Phone: 512-371-6159 | Fax: 512-351-8858  
For terms and conditions of sales, please visit:  
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REVISED: 02.13.2020

ABRACON IS  
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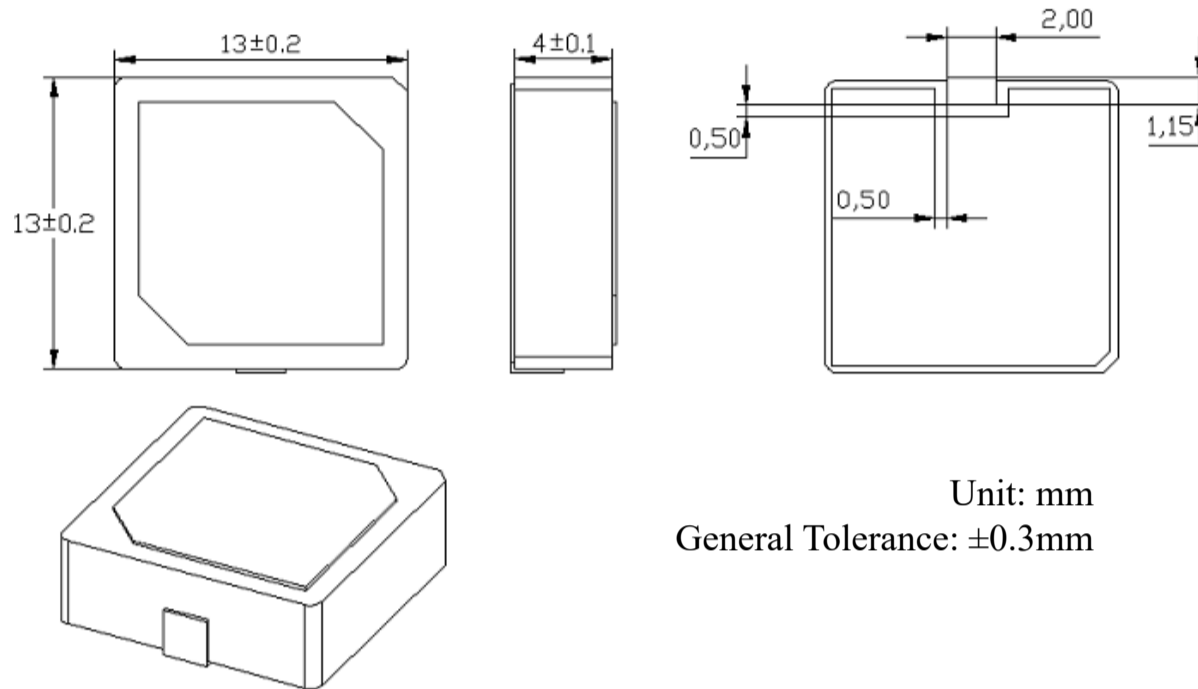
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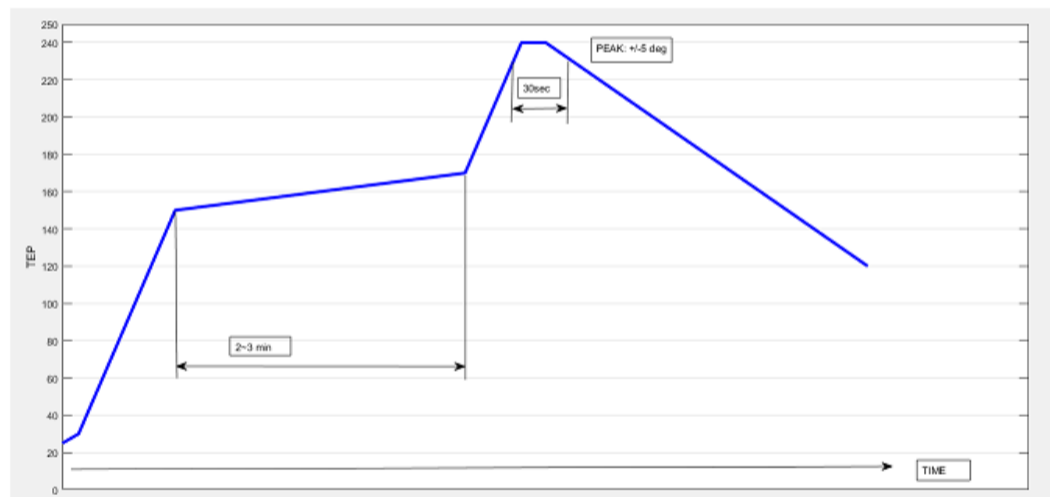
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## OUTLINE DIMENSIONS



## 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 8 inner boxes; each inner box has 1 vacuum bag.

Quantity:

- Per package base : 50 elements
- Per vacuum bag : 5 package bases / trays
- Per inner box : 1 vacuum bag
- Per package : 8 inner boxes
- Total No of pieces/ package : 2000
- Gross Weight : 9 Kg
- Carton Dimensions : 52\*29\*16cm

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