



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

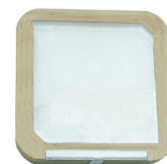
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



GPS/Galileo + GLONASS Ceramic Patch Antenna



APAKN2504-C2G-T

25.0 x 25.0 x 4.0mm
RoHS/RoHS II Compliant
MSL = 1

FEATURES

- Gain of 3.6 dBi
- 1575.42 and 1602 MHz bands
- RHCP polarization
- 25.0 x 25.0 x 4.0mm form factor

APPLICATIONS

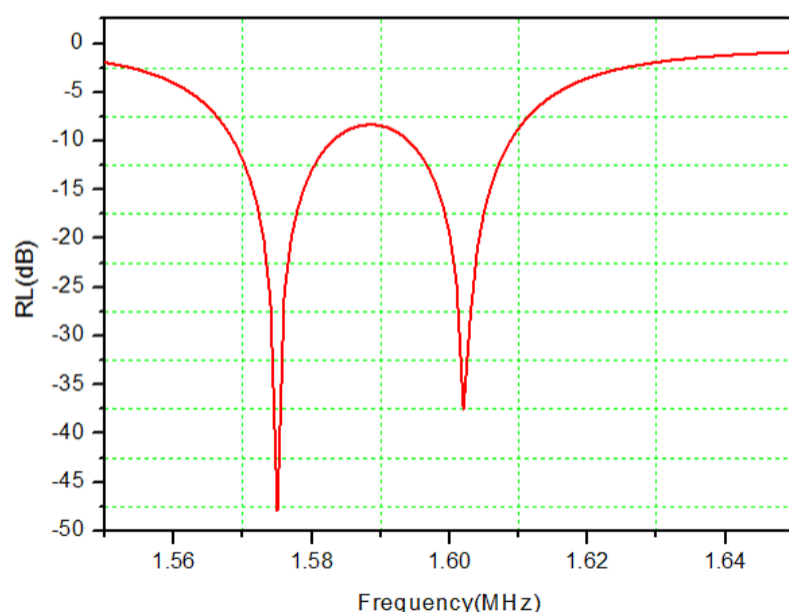
- GPS/GNSS
- Galileo
- GLONASS
- IoT
- Remote technology/monitoring
- M2M

ELECTRICAL SPECIFICATIONS

Parameters	min	Typ.	Max.	Units	Note
Application Band: GPS / Galileo		1575.42±1.023		MHz	(On a 70*70mm Ground Plane)
Return Loss: GPS / Galileo			-10	dB	
Gain (Peak): GPS / Galileo		3.6		dBi	
Application Band: GLONASS		1602±5.0		MHz	(On a 70*70mm Ground Plane)
Return Loss: GLONASS			-10	dB	
Gain (Peak): GLONASS		3.6		dBi	
Polarization Model	RHCP				
Impedance	50			Ω	
Frequency Temperature Coefficient			20	ppm/°C	

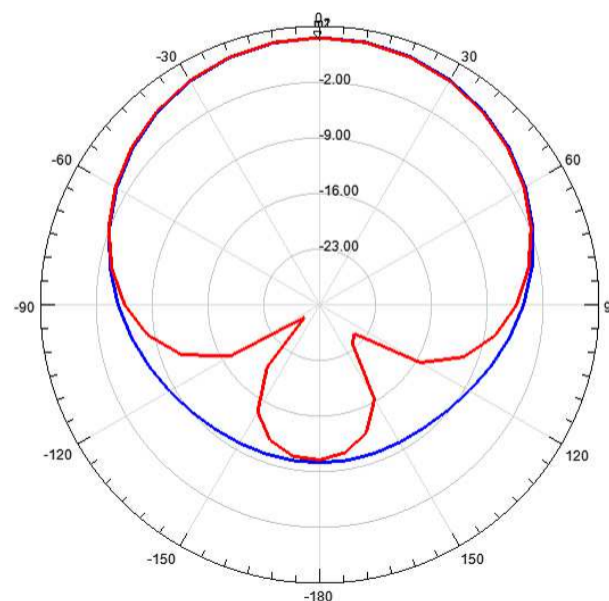
(*) Application environment, including size of the ground plane, proximity to adjacent components, etc., will affect stated performance. Fine tuning might be required when installed on end-customer's PCB. Abracon offers Antenna Optimization Service, please contact Abracon.

RETURN LOSS CHARACTERISTIC



Return Loss characteristic shows a dual band response for GPS/Galileo & GLONASS

RADIATION PATTERN (X-Y PLANE)



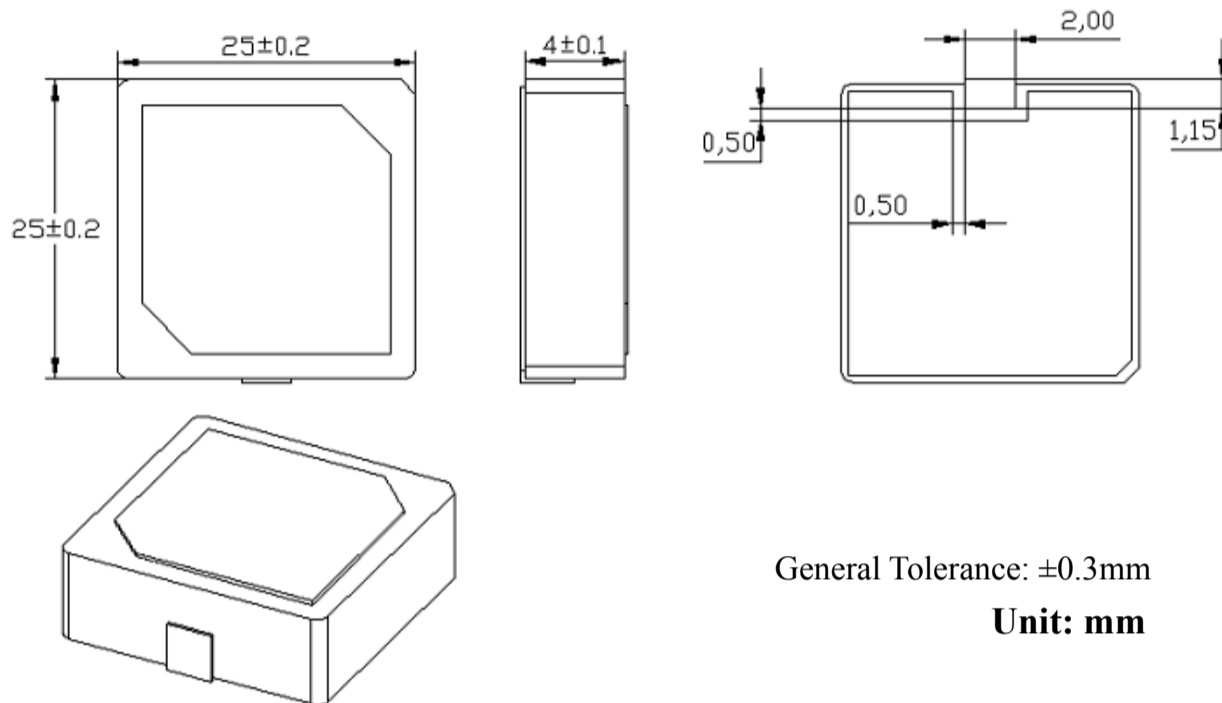
GPS/Galileo + GLONASS Ceramic Patch Antenna



APAKN2504-C2G-T

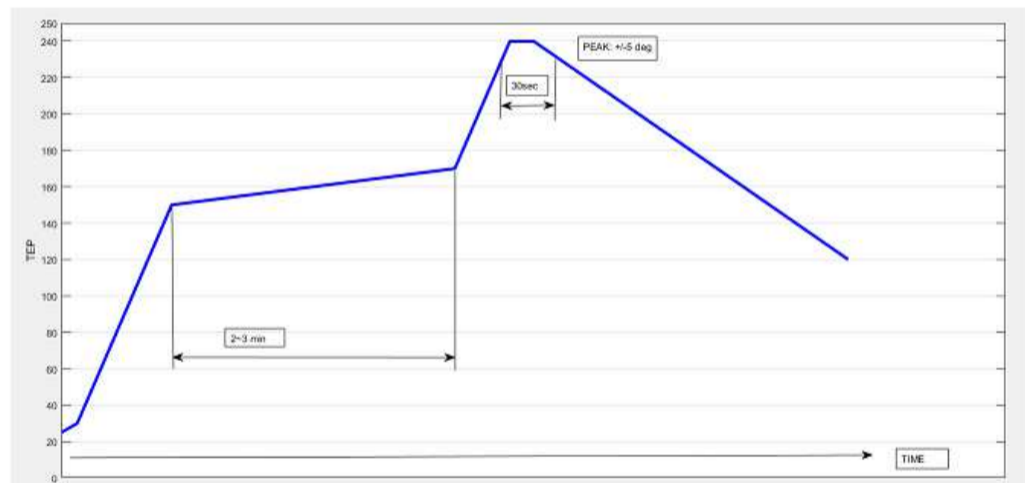
25.0 x 25.0 x 4.0mm
RoHS/RoHS II Compliant
MSL = 1

OUTLINE DIMENSIONS



REFLOW 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 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 piece/package	: 1000
Gross Weight	: 12 Kg
Carton Dimensions	: 37x37x17cm