

# GNSS Chip Antenna

**MODEL: CB501F**

**P/N: H2UJ4U1H2Q0100**



## Features

- Stable and reliable in performances
- Low profile, compact size
- RoHS 2.0 compliance
- SMT processes compatible
- AEC-Q200 compliant

## Applications

- Smartphones
- Wearables
- Tablets
- Digital Cameras

## Patented Design:

- US Pat. No.: US 8,106,833 B2
- China Pat. No.: ZL 2009 1 0143217.7

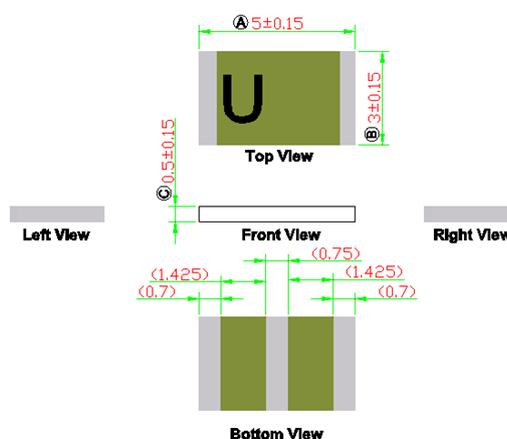
## Specifications

Items	Specifications			
<b>Navigation</b>	GPS L1/ GLONASS G1/ Galileo E1/ BDS B1/ QZSS L1	GPS L2/ GLONASS G2/ QZSS L2	GPS L5/ GLONASS G3/ Galileo E5/ BDS B2/ QZSS L5/ IRNSS L5	Galileo E6/ BDS B3/ QZSS E6
<b>Frequencies (MHz)</b>	1575.42	1227.6	1176.45	1278.75
<b>VSWR</b>	2 Typ.	3 Typ.	2 Typ.	5 Typ.
<b>Efficiency (%)</b>	68 Typ.	66 Typ.	70 Typ.	48 Typ.
<b>Average Gain (dB)</b>	-1.7 Typ.	-1.8 Typ.	-1.5 Typ.	-3.2 Typ.
<b>Peak Gain (dBi)</b>	3.3 Typ.	3.0 Typ.	3.0 Typ.	2.1 Typ.
<b>Test Condition</b>	80 x 40 mm <sup>2</sup> (Evaluation board)			
<b>Impedance (Ω)</b>	50			
<b>Polarization</b>	Linear Polarization			

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Mechanical Specifications	
<b>Dimensions (mm)</b>	5 (L) x 3 (W) x 0.5 (H)
<b>Material</b>	Ceramic
Environmental Conditions	
<b>Operation Temperature (°C)</b>	-40 ~ +85
<b>Storage Temperature (°C)</b>	-5 ~ +40
<b>Relative Humidity</b>	10 ~ 70 %

## Mechanical Dimensions (unit : mm)



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