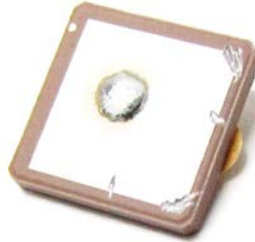


## WPANT60012-R1A

### Pin Style Ceramic GPS Patch Antenna



### Description / Application

This is a Pin-style Ceramic Patch Antenna for GPS L1 Band applications. This can be used in portable navigation devices where size and performance are very critical.

The antenna can be tuned to any other frequency 15XX MHz and the corresponding part number would be WPANT60012-R1AXX.

We can assist your engineers to optimize mounting positions for these antennas in your specific application and can further assist to trouble shoot system integration issues such as TRP/TIS and FCC requirements. We specialize in developing customized Antenna solutions. Please contact [sales@worldproducts.com](mailto:sales@worldproducts.com) with your specific application requirements.

### Electrical Properties

<b>Operating Frequency</b>	1567 – 1583 MHz
<b>Approximate Antenna Impedance [<math>\Omega</math>]</b>	50 $\Omega$
<b>VSWR – Typical</b>	< 1.5:1 @ 1575 MHz
<b>Peak Gain [dBic] (Typical)</b>	-5.5 dBic @ Zenith
<b>Polarization</b>	RHCP
<b>Axial Ratio [dB] (Typical)</b>	4.2 dB

### Mechanical / Environmental Properties

<b>Patch Dimensions</b>	12mm X 12mm X 2mm
<b>Antenna Color</b>	Brown
<b>Operating / Storage Temperature</b>	-40°C to +90°C
<b>Environmental</b>	Meets standards for UL 94V-0
<b>Hazardous Materials</b>	RoHS Compliant

Pictures of the Antenna

