

## WPANT10089

### GPS and Wi-Fi Miniature Antenna



WPANT10089-S1A

18" micro co-ax with SMA male

*Note: Different cable and connector style requests can be accommodated.*

### Application

This plug and play compact antenna is a very convenient solution to transmit or receive GPS as well as Wi-Fi signals. This antenna can also be mounted on metallic surfaces with little sacrifice in performance.

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	2.4 – 2.5 GHz
<b>Approximate Antenna Impedance [<math>\Omega</math>]</b>	50 $\Omega$	50 $\Omega$
<b>VSWR (Typical)</b>	< 2:1	< 2:1
<b>Peak Gain [dBi] (Typical)</b>	1.5 dBi	2 dBi
<b>Efficiency [%] (Typical)</b>	55%	65%
<b>Polarization</b>	Linear	Linear
<b>Pattern</b>	Near Omni Directional	Near Omni Directional

### Mechanical / Environmental Properties

<b>Antenna Dimensions</b>	1.7" X 0.8" X 0.26" (Including 3M tape thickness)
<b>Antenna Color</b>	Black
<b>Tape</b>	45 mils 3M VHB double stick
<b>Operating / Storage Temperature</b>	-40°C to +125°C
<b>Environmental</b>	Meets standards for UL 94V-0
<b>Hazardous Materials</b>	RoHS Compliant

Pictures

