

## WPANT30004-SB2

### Surface Independent 3G Cellular & ISM band Omni Antenna



### Description / Application

This is a **Surface Independent, High Performance** Penta-band Cellular / 3G & ISM band Antenna, which is very compact in shape. The Antenna can be configured with different Connector styles. This configuration has 1.5 meters RG58 Cable with SMA Male Connector. The antenna is at DC ground to ensure protection against lightning.

**The Antenna can be mounted to any surface, metal, concrete or wood and it will have the same characteristics, without any change in the antenna tuning.**

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>	824 – 960 MHz	1710 – 2170 MHz
<b>Approximate Antenna Impedance [Ω]</b>	50Ω	50Ω
<b>VSWR – Typical</b>	< 3:1	< 2.5:1
<b>Peak Gain [dBi] (Typical)</b>	1 to 2 dBi	1.5 to 3 dBi
<b>Efficiency [%] (Typical)</b>	70 – 90 %	65 – 90 %
<b>Polarization</b>	Linear	Linear
<b>Pattern</b>	Near Omni-directional; Also depends on installation	Near Omni-directional; Also depends on installation
<b>Lightning Protection</b>	DC ground	DC ground

### Mechanical / Environmental Properties

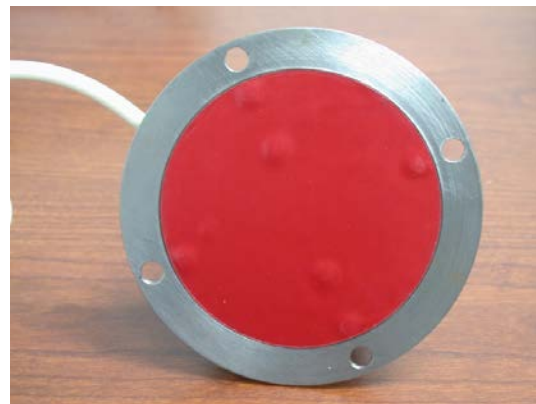
<b>Antenna Dimensions</b>	3.8" Height X 3.9" Diameter on the Metal Plate (96mm X 100mm)
<b>Antenna Color</b>	Cool Grey
<b>Cable</b>	1.5 meters RG-58
<b>Connector</b>	SMA Male
<b>Antenna Radome</b>	ABS + Polycarbonate
<b>Operating / Storage Temperature</b>	-40°C to +90°C
<b>Environmental</b>	Meets standards for UL 94V-0
<b>Hazardous Materials</b>	RoHS Compliant

## Pictures of the Antenna



Antenna mounted on a Metal surface (example)

- Antenna base can be mounted to the surface using a Double Stick Tape, which is supplied on the back of the Antenna
- Antenna base can also be mounted to a given surface, by screws / nuts



Antenna mounted on a Wood surface (example)

- Antenna base can be mounted to the surface using a Double Stick Tape, which is supplied on the back of the Antenna
- Antenna base can also be mounted to a given surface, by screws / nuts

**VSWR of the Antenna**

