

## WPANT10082

### 3G Cellular SMT Embedded Antenna



### Application

This surface mountable antenna can be easily installed inside any wireless device. Small size and excellent efficiency make this an ideal choice for applications where space is limited.

We can assist your engineers to optimize mounting positions for this antenna in your specific application and can further assist to troubleshoot 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>	824 – 960 MHz	1710 – 2170 MHz
<b>VSWR (Typical)*</b>	< 2:1	< 2:1
<b>Peak Gain [dBi] (Typical)*</b>	1.5 dBi	2.5 dBi
<b>Efficiency [%] (Typical)*</b>	70 %	70 %
<b>Polarization</b>	Linear	Linear
<b>Pattern</b>	Near Omni-directional	Near Omni-directional

\*Note: These performance metrics were recorded with the antenna installed on an evaluation board.

### Mechanical / Environmental Properties

<b>Antenna Dimensions</b>	1.7" x 0.47" x 0.138" (44mm x 12mm x 3.5mm)
<b>Antenna Color</b>	Black
<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

