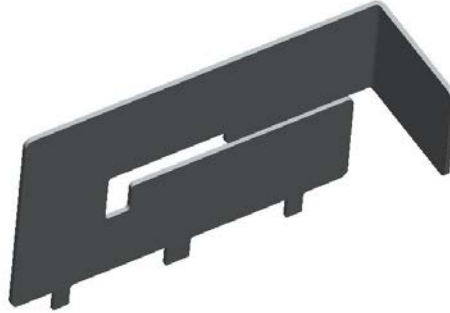


## WPANT10071

### 900 MHz ISM band Stamped Metal Embedded Antenna



Note: 3D Model shown.

### Application

An ideal choice for devices where circuit board real estate is at premium and low cost is a priority.

We can assist your engineers to optimize mounting positions for these antennas 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

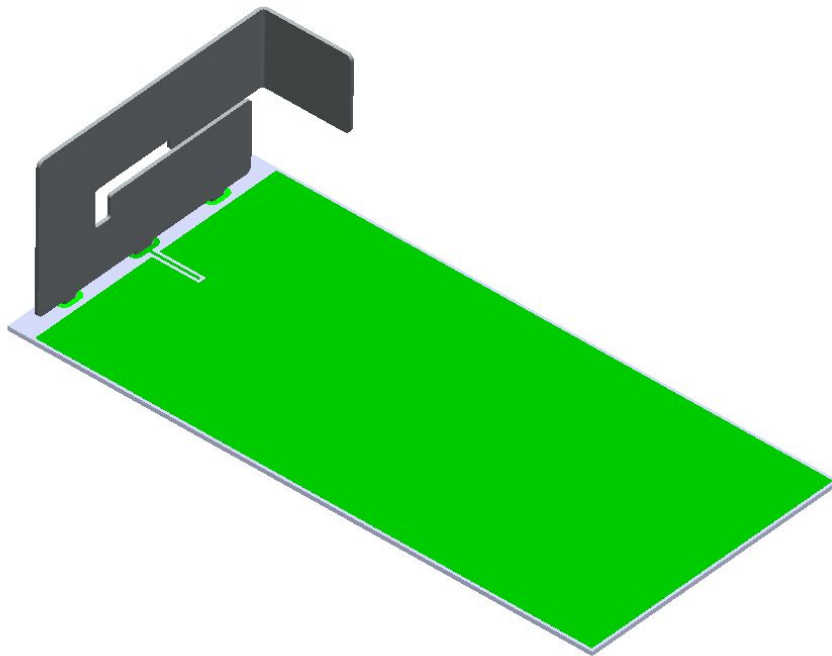
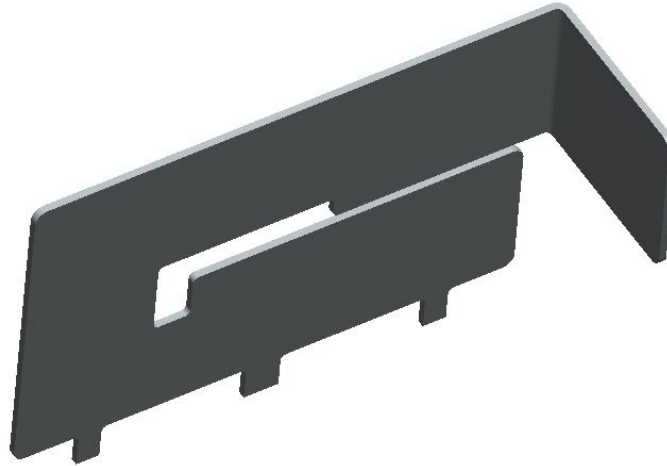
|                                                             |                  |
|-------------------------------------------------------------|------------------|
| <b>Operating Frequency</b>                                  | 860 – 960 MHz    |
| <b>Approximate Antenna Impedance [<math>\Omega</math>]*</b> | 50 $\Omega$      |
| <b>VSWR (Typical)*</b>                                      | < 2:1            |
| <b>Peak Gain [dBi] (Typical)*</b>                           | 2 dBi            |
| <b>Efficiency [%] (Typical)*</b>                            | 70%              |
| <b>Polarization</b>                                         | Linear           |
| <b>Pattern</b>                                              | Omni-directional |

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

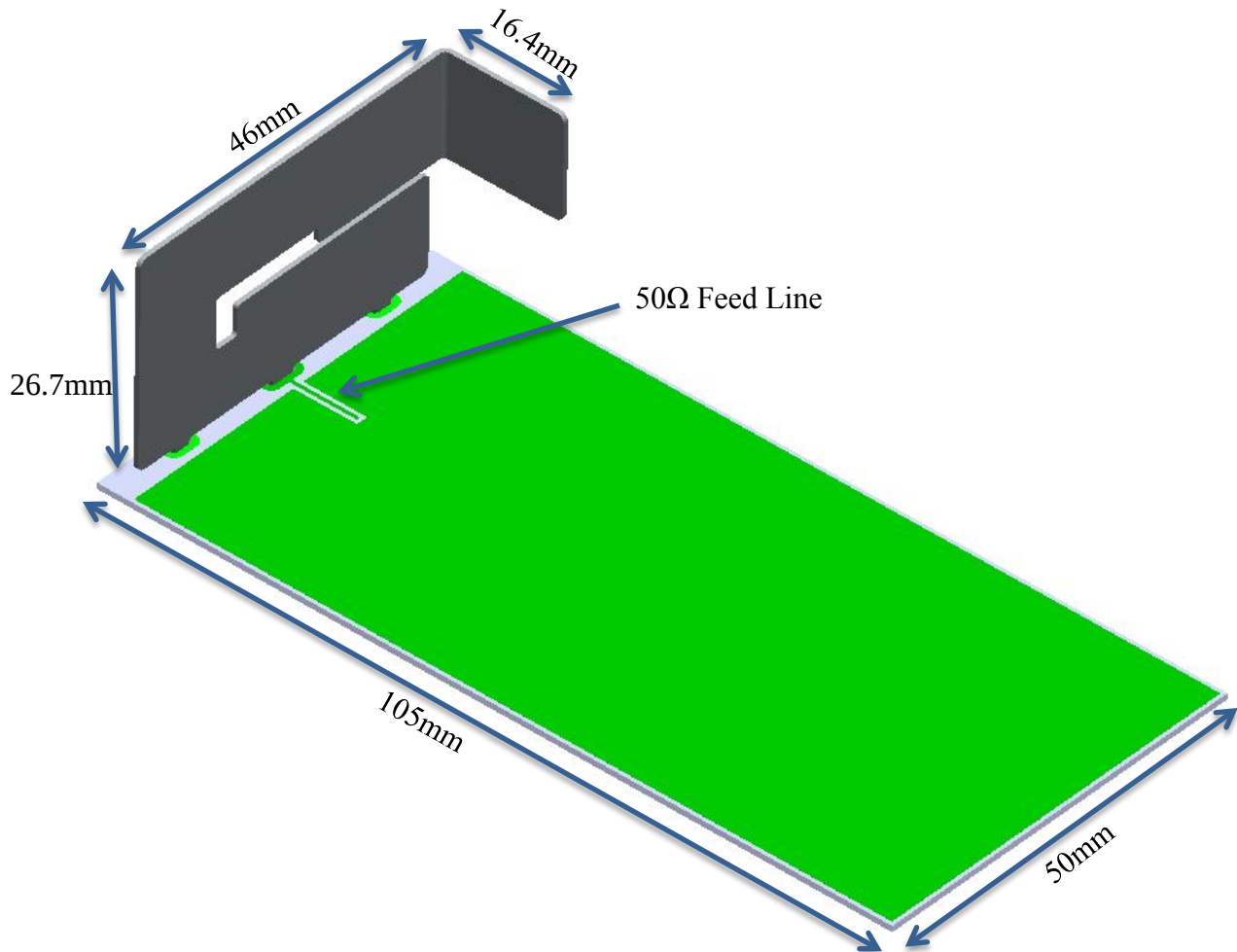
### Mechanical / Environmental Properties

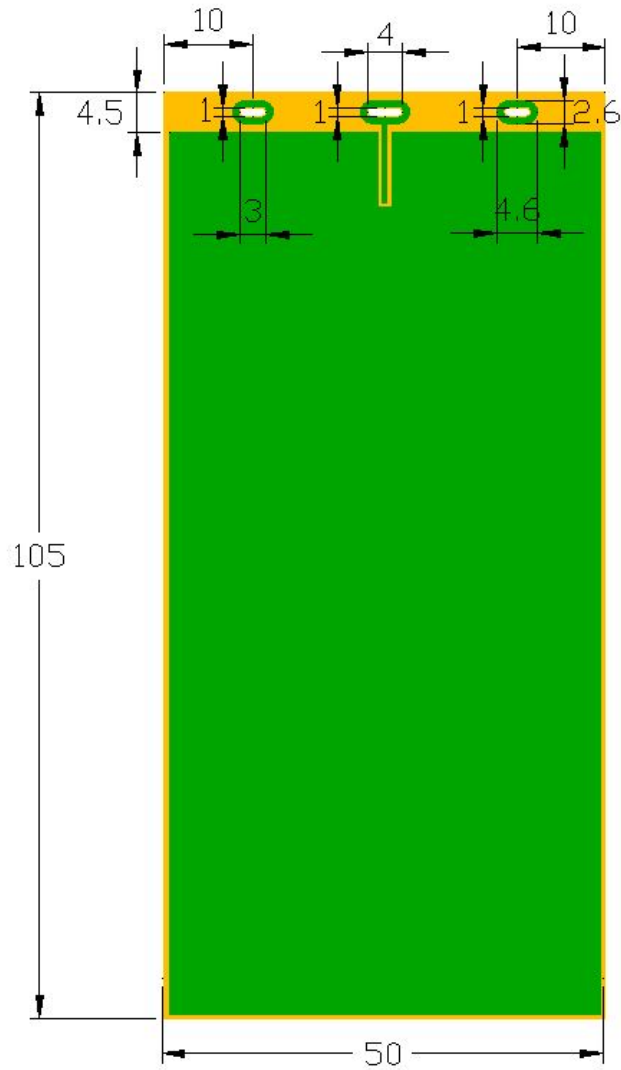
|                                        |                                                                   |
|----------------------------------------|-------------------------------------------------------------------|
| <b>Antenna Dimensions</b>              | 1.05" Height x 1.8" Length x 0.65" Width (26.7mm X 46mm X 16.4mm) |
| <b>Antenna Color</b>                   | Metallic Silver                                                   |
| <b>Operating / Storage Temperature</b> | -40°C to +300°C                                                   |
| <b>Environmental</b>                   | Meets standards for UL 94V-0                                      |
| <b>Hazardous Materials</b>             | RoHS Compliant                                                    |

Pictures (3D Model)



## Board Layout and Dimensions





Board Outline  
Top Copper

## TOP LAYER

Note: All units in millimeters (mm)



Board Outline

Bottom Copper

**BOTTOM LAYER**