

WPANT30100-S1A

High Efficiency 4G & ISM Body-mount Antenna



Description / Application

This is a 4G / 3G & ISM band High Efficiency Omni Directional Body-mount Antenna. It is ideal for mounting on any metal structures / surfaces. Compact Size and Impressive Efficiency are the key features of this Proprietary Design. It comes with a 10" long RG316 cable and a SMA Male connector.

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 with your specific application requirements.

Electrical Properties

| | | |
|--|---|---|
| Operating Frequency | 698 – 960 MHz | 1710 – 2700 MHz |
| Approximate Antenna Impedance [Ω] | 50Ω | 50Ω |
| VSWR – Typical* | < 3:1 | < 3:1 |
| Peak Gain [dBi] (Typical)* | 2.5 dBi | 3.5 dBi |
| Efficiency [%] (Typical)* | 80 % | 70 % |
| Polarization | Linear | Linear |
| Pattern | Near Omni-directional; Also depends on installation | Near Omni-directional; Also depends on installation |
| Accepted Power [W] (Max) | 2 Watts | 2 Watts |

*Note: RF Performance Metrics recorded with Antenna placed on top of a Metal Box.

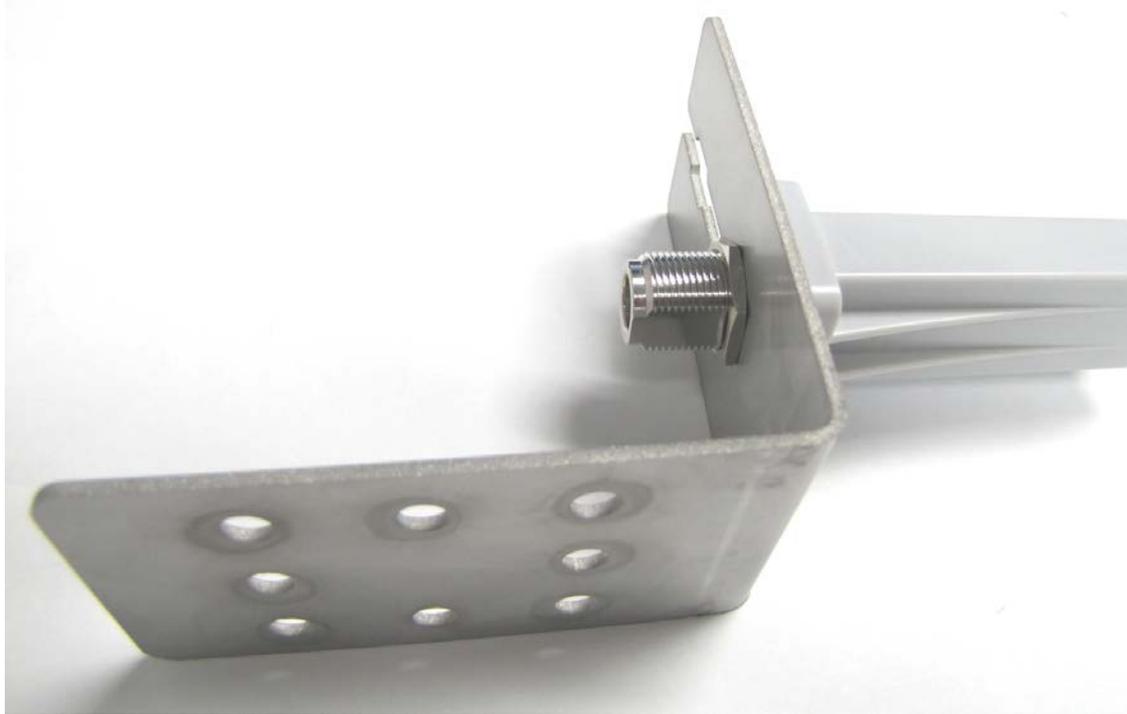
Mechanical / Environmental Properties

| | |
|---|---|
| Antenna Dimensions | 3.2" X 1.2" X 1.2" (81mm X 30mm X 30mm) |
| Antenna Color | Cool Grey |
| Cable | 10" long RG316 |
| Connector | Straight SMA Male |
| Antenna Radome | ABS + Polycarbonate |
| Washer & other outer Metal Parts | Stainless Steel |
| Main Gasket covering the Base | 1.5mm thick Black 3M Gasket |
| Connector Plating | Nickel + Chromium Alloy |
| Operating / Storage Temperature | -40°C to +90°C |
| Environmental | Meets standards for UL 94V-0 |
| Hazardous Materials | RoHS Compliant |

Pictures of the Antenna



Note: Prototype shown here. The actual antenna will have 10" long cable with straight SMA Male connector.



The antenna can be mounted on an L-shaped stainless steel bracket (shown in the picture above) for pole / wall mount applications.

Note: The antenna does not include the mount. It can be ordered separately (P/N: WPANT50018-S2A).