

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]	50 Ω	50 Ω
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.

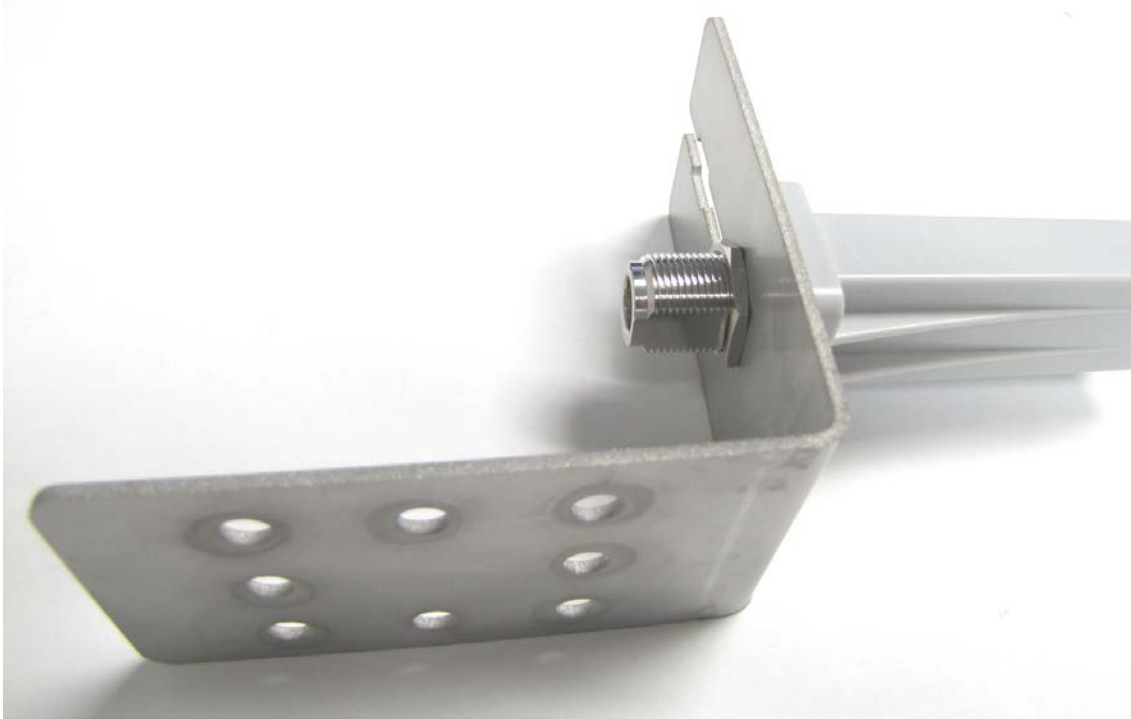
Mechanical / Environmental Properties

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).