WORLD PRODUCTS INC.

19654 Eighth Street East
P.O. Box 517
Sonoma, CA 95476
(707) 996.5201
www.worldproducts.com
sales@worldproducts.com

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 with your specific application requirements.

Electrical Properties

Operating Frequency	824 – 960 MHz	1710 – 2170 MHz
Approximate Antenna Impedance [Ω]	50Ω	50Ω
VSWR – Typical	< 3:1	< 2.5:1
Peak Gain [dBi] (Typical)	2 dBi	3 dBi
Efficiency [%] (Typical)	85 %	80 %
Polarization	Linear	Linear
Pattern	Near Omni-directional; Also depends on installation	Near Omni-directional; Also depends on installation
Lightning Protection	DC ground	DC ground

Mechanical / Environmental Properties

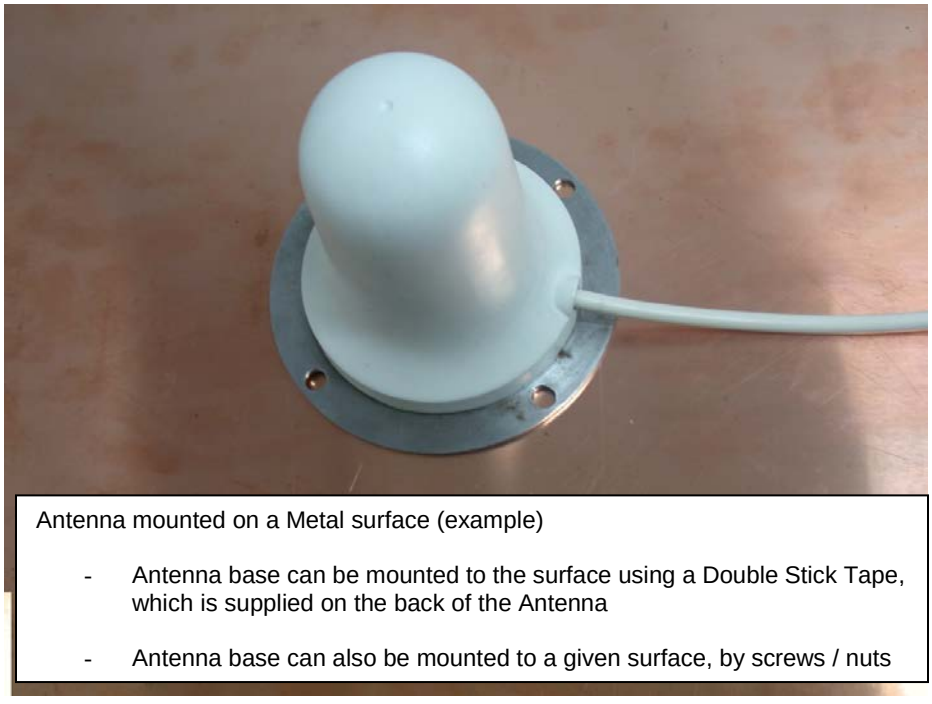
Antenna Dimensions	3.8'' Height X 3.9'' Diameter on the Metal Plate (96mm X 100mm)
Antenna Color	Cool Grey
Cable	1.5 meters RG-58
Connector	SMA Male
Antenna Radome	ABS + Polycarbonate
Operating / Storage Temperature	-40°C to +90°C
Environmental	Meets standards for UL 94V-0
Hazardous Materials	RoHS Compliant

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Pictures of the Antenna





Antenna mounted on a Metal surface (example)

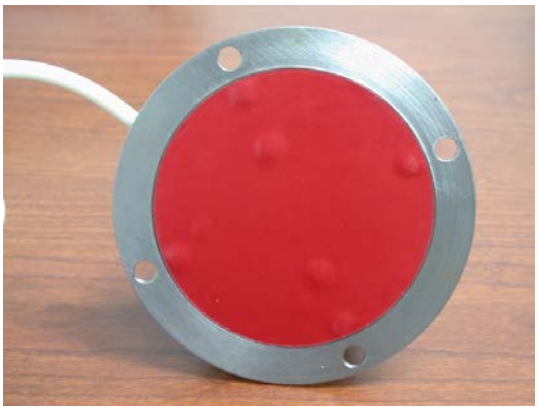
- Antenna base can be mounted to the surface using a Double Stick Tape, which is supplied on the back of the Antenna
- Antenna base can also be mounted to a given surface, by screws / nuts

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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

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VSWR of the Antenna

