

WPANTDP081-S2C

870 / 915 MHz, 2.4 GHz & 5.6 GHz Combo True-Omni



Description / Application

This True-Omni Antenna is a **Surface Independent, High Performance** Combo Antenna that has a perfect Omni-directional pattern for all three antenna radiators. The Antenna can be configured with different Connector styles. This configuration has three 1 meter long RG316 Cables with straight SMA Male Connectors.

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. This antenna does not need extra ground plane.

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.

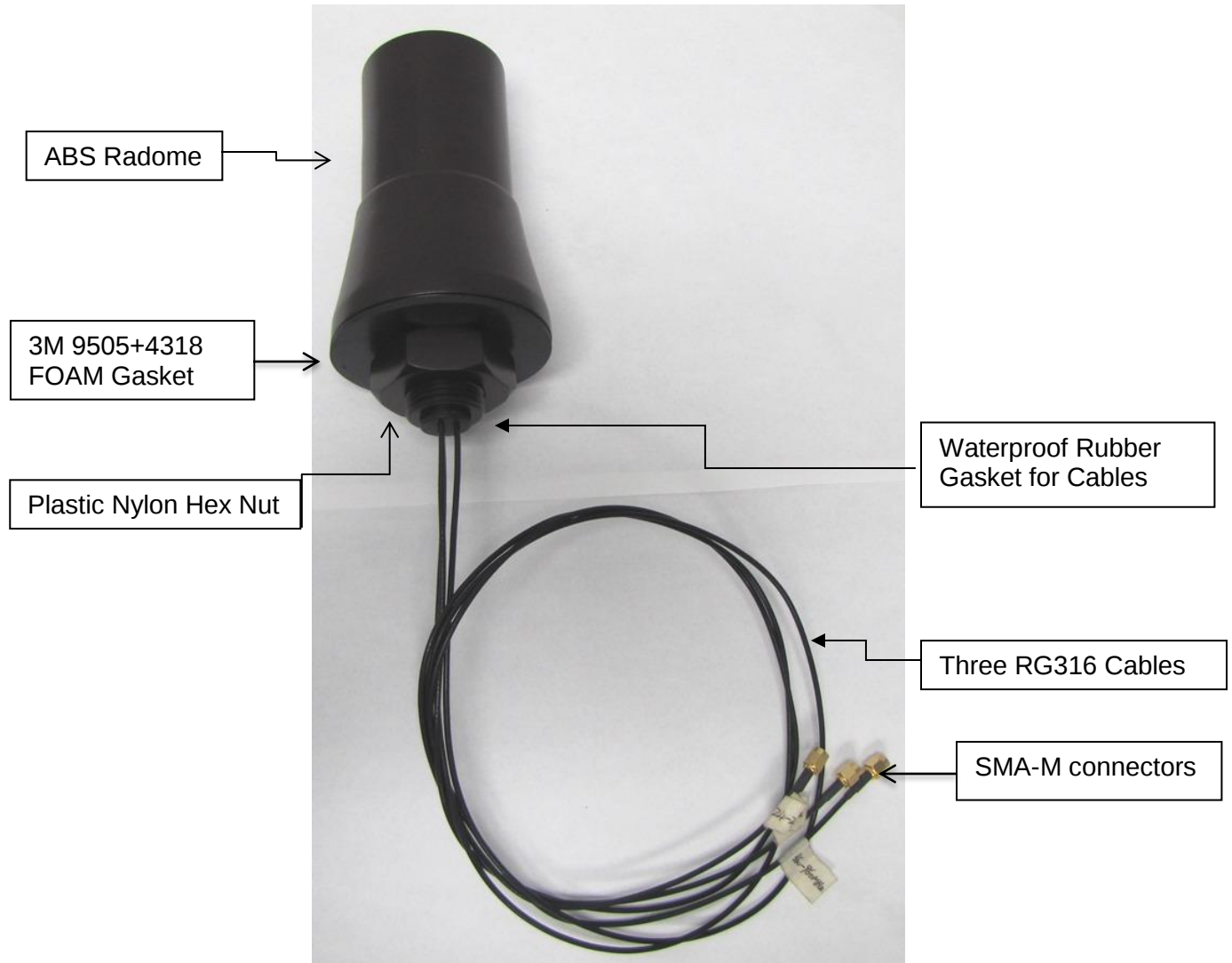
Electrical Properties

Operating Frequency	850 – 960 MHz	2.4 – 2.5 GHz	5.4 – 5.8 GHz
Approximate Antenna Impedance [Ω]	50Ω	50Ω	50Ω
VSWR – Typical	< 2:1	< 2:1	< 2:1
Peak Gain [dBi] (Typical)	~ 2 dBi	~ 4 dBi	~ 5.5 dBi
Efficiency [%] (Typical)	~ 85 %	~ 75 %	~ 75 %
Polarization	Linear	Linear	Linear
Radiation Pattern	True Omni-directional	True Omni-directional	True Omni-directional

Mechanical / Environmental Properties

Antenna Dimensions	5.50" (height) X 2.72" (max diameter)
Antenna Color	Pantone color 440C (Plastic pantone color Q764-2-1)
Cable	1 meter RG316 (3 count)
Connector	Straight SMA Male (3 count)
Gasket	3M 9505+4318 FOAM Gasket
Operating / Storage Temperature	-40°C to +90°C
Environmental	Meets standards for UL 94V-0
Hazardous Materials	RoHS Compliant

Pictures of the Antenna (3D Model)



3D Radiation Pattern

