

WPANT30142

4G / 3G / ISM Body-mount Antenna



WPANT30142-S1A

Type-N Female with 2 flat edges

Note: Different cable and connector style requests can be accommodated.

Application

This rugged cellular antenna is specifically designed for wireless systems where antenna performance is critical. This antenna has Radiation Efficiency in excess of 80%.

We specialize in developing customized Antenna solutions. Please contact sales@worldproducts.com with your requirements.

Electrical Properties

Operating Frequency Bands	824 – 960 MHz	1710 – 2170 MHz
Approximate Antenna Impedance [Ω]	50 Ω	50 Ω
VSWR (Typical)*	< 2.5:1	< 2.5:1
Peak Gain [dBi] (Typical)*	2 dBi	4 dBi
Efficiency [%] (Typical)*	85 %	80 %
Polarization	Linear	Linear
Pattern	Near Omni-directional; Also depends on installation	Near Omni-directional; Also depends on installation

*Note: RF performance metrics recorded with antenna placed on top of a metal box.

Mechanical / Environmental Properties

Antenna Dimensions	3.5" Height** x 2.9" Base diameter (90mm x 50mm)
Antenna Color	Black
Antenna Radome	ABS + Polycarbonate
Washer & other outer Metal Parts	Stainless Steel
Connector Plating	Nickel + Chromium Alloy
Main Gasket covering the Base	1.5mm thick Black 3M gasket
Operating / Storage Temperature	-40°C to +125°C
Environmental	Salt Spray Resistant, Water Ingress Resistant, UV resistant, Vandal Resistant Design (IK10 Compliant), Meets standards for UL 94V-0
Hazardous Materials	RoHS Compliant

**Height includes the gasket thickness.

Pictures

