

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] | 50Ω | 50Ω |
| 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

