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Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

Powertec Wideband 4G & IoT Bulkhead Antenna, 700 to 2700 MHz

MPN
VDIP-6927-2.N2

Description

VDIP-6927-2.N2 is a wideband 4G LTE antenna that covers cellular frequencies in the range from 700 to 2700 MHz. In addition to 3G and 4G wireless applications,

the antenna covers IoT technologies such as LoRa, and others using unlicensed bands such as 868 and 915 MHz. ISM 2.4 GHz WiFi and Bluetooth 3.0 are also fully supported.

The model has a 1.5 dBi gain on the lower 698 to 960 MHz range and 2.5 dBi gain on the upper 1710 to 2700 MHz range. These peak gain figures are ideal for maintaining a near-spherical radiation pattern, very important for use in IoT, machine telemetry, and metering applications.

This antenna has a robust construction, machined from stainless steel and with an impact resistant plastic radome. Mounting can be achieved through the antenna's stainless steel N Female bulkhead connector, or by using the supplied stainless steel pole / wall mount bracket.

[Read More](#)





Powertec

Powertec is a wireless technology manufacturer and systems integrator based in Australia. Operating since 1995, Powertec has grown to become the leading wireless technology distributor in its region, and a leading Infratech systems developer. Supporting over 1500 partners the company provides procurement, design, project management, and support services across Australia, New Zealand, Pacific ...

RF Specification

Start Frequency

698 MHz

Stop Frequency

2700 MHz

Max. Input Power

20 W

Polarisation

[Vertical \(V\)](#)

Input Impedance

50 Ω

RF Connectors

Ports RF Interface Body Shape

1 [N Female](#) [Straight](#)

Frequency Test Data

Start Freq. Stop Freq. Peak Gain VSWR Elevation

698 MHz	960 MHz	1.5 dBi	< 2.5:1	100°
1695 MHz	2200 MHz	2.5 dBi	< 2.5:1	90°
2300 MHz	2700 MHz	2.5 dBi	< 2.5:1	90°

Physical Specification

Subtype

[Dipole](#)

Input Ports

1

MIMO

[1x1 SISO](#)

Min. Operating Temperature

-40 °C

Max. Operating Temperature

85 °C

Dimensions

247 x 20 x 20

Materials

[Polycarbonate \(PC\)](#), [Stainless Steel \(304\)](#)

Mounting

[Pole Clamp 25 to 41 mm ø](#)

Compliance/Certifications

ISO 9001 Quality Management

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