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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 additional 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.

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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 ⌀
Compliance/Certifications
ISO 9001 Quality Management

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