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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	Polarisation:	Vertical (V)
Stop Frequency:	2700 MHz	Input Impedance:	50
Max. Input Power:	20 W		

RF Connectors

PortsRF InterfaceBody Shape1N FemaleStraight

Frequency Test Data

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°	Start Freq.	Stop Freq.	Peak Gain	VSWR	Elevation
	698 MHz	960 MHz	1.5 dBi	< 2.5:1	100°
2300 MHz 2700 MHz 25 dBi < 25:1 90°	1695 MHz	2200 MHz	2.5 dBi	< 2.5:1	90°
2500 1911 12 2700 1911 12 2.5 dbl \ 2.5.1	2300 MHz	2700 MHz	2.5 dBi	< 2.5:1	90°

Physical Specification

Subtype:	Dipole	Dimensions:	247 x 20 x 20
Input Ports:	1	Materials:	Polycarbonate (PC), Stainless
MIMO:	1x1 SISO		Steel (304)
Min. Operating Temperature:	-40 °C	Mounting:	Pole Clamp 25 to 41 mm
Max. Operating Temperature:	85 °C	Compliance/Certifications:	ISO 9001 Quality Management
wax. Operating remperature.			

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