Powertec Wireless Technology
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Powertec 4G-5G LPDA Antenna, 698 to 4000 MHz, N Female + 10m Cable N Male to SMA Male

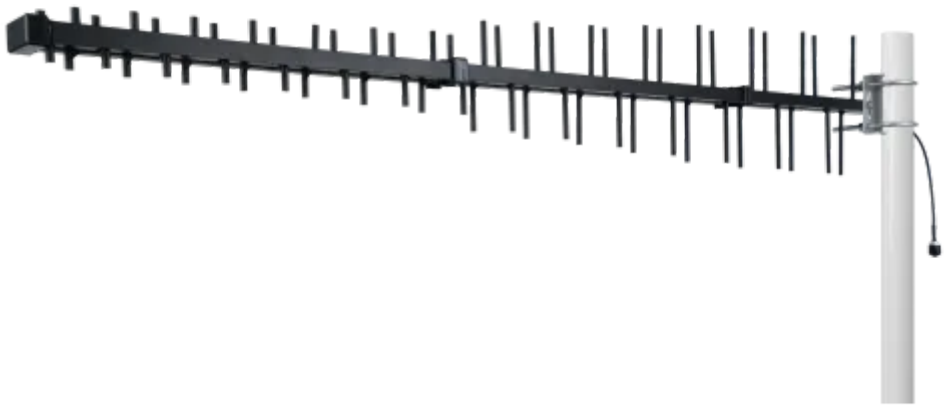
SKU
ANT-BH-YG-LOG-LPDA-10
MPN
LLP-6940-12.N2

Description

The Powertec 4G-5G LPDA Antenna is designed to enhance mobile network connectivity across a wide frequency range of 698 to 4000 MHz. This antenna is ideal for boosting 3G, 4G, and 5G signals, making it an excellent choice for areas with poor cellular reception. Its robust construction and aluminium build ensure durability, even in harsh environmental conditions, making it suitable for outdoor installations. The antenna’s log periodic dipole array design allows for wideband performance, providing consistent high gain across various frequency bands. This ensures efficient transmission and reception of signals, enhancing data speeds and call quality.

Equipped with a peak gain of up to 11.5 dBi and a vertical polarisation, the antenna efficiently focuses signal strength towards the cell tower, improving overall network performance. Its compatibility with a range of frequencies makes it versatile, supporting multiple network providers and...

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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
4000 MHz
Max. Input Power
50 W
Polarisation
Vertical (V)
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	N Female	Straight	RG-142	300 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth	Elevation	F/B Ratio
698 MHz	803 MHz	11.1 dBi	< 1.8:1	60°	46°	> 28 dB
803 MHz	960 MHz	11.3 dBi	< 1.8:1	60°	47°	> 26 dB
1695 MHz	2200 MHz	11.5 dBi	< 1.8:1	45°	34°	> 24 dB

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth	Elevation	F/B Ratio
2200 MHz	2700 MHz	10.7 dBi	< 1.8:1	50°	40°	> 13 dB
3300 MHz	4000 MHz	9.5 dBi	< 1.6:1	34°	30°	> 9 dB

Physical Specification

Subtype
Log Periodic Dipole Array
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
65 °C
Dimensions
1240 x 200 x 60 mm
Materials
Aluminium
Mounting
Pole Clamp 30 to 52 mm ⌀
Weight
2.2 kg
Compliance/Certifications
ISO 9001 Quality Management

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