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Powertec 4G-5G Wideband LPDA Antenna, 698 to 4000 MHz, 4.3-10 Female

SKU
ANT-PT-00021
MPN
LLP-6940-7.432
Barcode
9337692005022

Description

The LLP-6940-7 mini log periodic antenna is designed for outdoor applications requiring wideband operation, medium gain, with a compact form-factor. It operates across a frequency range of 698 MHz to 4000 MHz, making it suitable for various telecommunications applications, including cellular networks, wireless broadband, and other RF communication systems. Its vertical polarisation enhances its ability to maintain signal integrity in diverse environmental conditions.

With a VSWR of less than 2.0:1 across its range, the antenna ensures efficient power transfer and minimal signal reflection. The construction features a UV-stabilised ABS plastic radome, offering resilience in harsh weather conditions, with an operational temperature range from -40 °C to 65 °C.

The antenna's 4.3-10 female connector ensures secure and weatherproof connectivity. It is lightweight at 1.1 kg and compact, facilitating easy installation on poles with diameters...

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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	4.3-10 Female	Straight	PSF-402	300 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth	Elevation	F/B Ratio
698 MHz	960 MHz	9.5 dBi	< 2:1	90°	66°	> 15 dB
1710 MHz	2700 MHz	11 dBi	< 1.5:1	75°	58°	> 12 dB
3300 MHz	4000 MHz	11.5 dBi	< 1.8:1	54°	42°	> 15 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
440x205x60
Materials
ABS Plastic, Aluminium
Mounting
Pole Clamp 30 to 52 mm ⌀
Weight
1.1 kg

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