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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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RF Specification

Start Freque	ncy					
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 <u>4.3-10 Female Straight</u>			<u>PSF-402</u>		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 ø Weight 1.1 kg

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