

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 Frequency:	698 MHz	Polarisation:	Vertical (V)
Stop Frequency:	4000 MHz	Input Impedance:	50
Max. Input Power:	50 W		

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	Dimensions:	440x205x60
Input Ports:	1	Materials:	ABS Plastic, Aluminium
MIMO:	1x1 SISO	Mounting:	Pole Clamp 30 to 52 mm
Min. Operating Temperature:	-40 °C	Weight:	1.1 kg
Max. Operating Temperature:	65 °C		

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