

# 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...

[Read More](#)



## RF Specification

Start Frequency:	698 MHz	Polarisation:	Vertical (V)
Stop Frequency:	4000 MHz	Input Impedance:	50 Ω
Max. Input Power:	50 W	Powertec is a wireless technology manufacturer, distributor 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 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		

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

