

698-960/1710-2700 MHz 10 dBi Log Periodic Antenna



Antennas Technical Data Sheet PE51LP1001 Features

- Frequency coverage for 700 MHz, 850 MHz, AWS and PCS bands
- Weatherproof ABS

Applications

- DAS (Distributed Antenna Systems)
- Cellular networks
- Public safety

- Internal combiner eliminated the need for separate coax cables for each frequency
- · Supplied with tilt and swivel mast bracket
- IEEE 802.11b/g WiFi applications
- LPWAN, LoRA, LTE-M, NB-IoT, IoT, M2M applications

Description

The HyperLink PE51LP1001 is a high performance wide band log periodic antenna designed to operate from 698-960 MHz and 1710-2700 MHz. This Wideband design eliminates the need to purchase different antennas for each frequency. This simplifies installations since the same antenna can be used for a wide array of wireless applications where wide coverage is desired.

The PE51LP1001 is ideal for Distributed Antenna Systems, DAS. A DAS system is used to distribute Cellular and WiFi signals throughout a building or area. It is also suited for directional and multipoint IEEE 802.11b/g/n wireless LANs, public wireless hotspot applications and other systems operating in the 2.4GHz ISM band. It is ideal for LPWAN/IoT/M2M applications such as LoRA, LTE-M and NB-IoT. The broadband characteristics of the antenna enable it to operate over a very wide frequency range. This antenna features 9/10 dBi of gain and a 56°/45° vertical beam width.

The internal components of this antenna are enclosed within a UV-stable white ABS radome for all-weather operation. It is supplied with a tilt and swivel mast mount kit.

Configuration	
Design	Log Periodic
Band Type	Multi
Radiation Pattern	Directional
Polarization	Vertical or Horizontal
Cable Type	Coax Cable
Cable Length	8 in [203.2 mm]
Connector Type	N Female
Number of Ports	1

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Input VSWR		1.6:1	1.6:1	
Impedance		50		Ohms
Gain		10		dBi
Gain	9		10	dBi
Front to Back Ratio		19		dB
Input Power			50	Watts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 698-960/1710-2700 MHz 10 dBi Log Periodic Antenna PE51LP1001

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451 Sales@Pasternack.com • Techsupport@Pasternack.com

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Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	698-960	1,710-2,500				MHz
Gain	9	10				dBi
Horizontal Beam Width	78	75				Degees
Vertical Beam Width	56	45				Degees
Maximum Input Power	50					Watts
Mechanical Specification	ons					
Radome Material			AE	BS		
Size						
Overall Length			11	.6 in [294.64	mm]	
Width			2.4	4 in [60.96 mr	n]	
Height			8.	1 in [205.74 m	nm]	
Weight			2	bs [907.18 g]		
Environmental Specific	ations					
Temperature						
Operating Range			-4	0 to +85 deg	С	
Wind Loading			15	0 MPH [241.4	4 KPH]	
Compliance Certificatio	ns (see produ	uct page for cur	rent documer	nt)		
Plotted and Other Data						
Notes:						
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URL: https://www.pasternack.com/multi-antenna-10-dbi-gain-n-pe51lp1001-p.aspx

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PE51LP1001 CAD Drawing

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