PASTERNACK
an INFINITE brand

2300-2500 MHz, 10 dBi, Gain, V-pol, Type N Female

Antennas Technical Data Sheet PEANLP1009

Features

- Frequency coverage for 2300 MHz to 2500 MHz
- Very High Gain 10 dBi Directional Antenna
- Each connector covers wide band of frequencies
- Easy Install universal mounting bracket provided
- Weatherproof ABS radome
- Pigtail – 12 inches
- N-Type Female connector

Applications

- Point-to-point, LPWAN, LTE-M, NB-IoT, IoT, M2M applications
- 4G LTE B23 operation supported
- 5G Bands supported -n40, n41, n53, n90, n97
- DAS (Distributed Antenna Systems)
- IEEE 802.11a / b /g / n / ac / ad / ah/ ax Wi-Fi applications
- Public safety, utilities, CCTV and local radio coverage
- Smart cities expansion for coverage and IOT / IIOT

Description

Pasternack's PEANLP1009 high gain log periodic antenna is designed to operate from 2300 to 2500 MHz. With 10 dbi of gain, PEANLP1009 is ideal for boosting 5G, LTE, CMDA, LoRA, IoT, WIFI. The Pasternack log periodic PEANLP1009 can be used for long distance directional communication over a wide range of frequencies.

Log periodic antennas from Pasternack function as boosters where the existing cellular signal is weak and needs to reach further distances. The PEANLP1009 has vertical polarization, 55 horizontal beamwidth, and 50 vertical beamwidth for point to point communication. The included mounting brackets allow for either vertical or horizontal mounting configurations. The directional PEANLP1009 antenna has 1 Type N Female connector on a 12 inches long pigtail.

The 10 dBi max gain log periodic PEANLP1009 antenna operates in 5G bands n40, n41, n53, n90, n97. This 2300 to 2500 MHz 5G directional log periodic antenna with Type N connector is in stock and ready to ship the same day. Contact Pasternack's knowledgeable and friendly technical support and sales staff for your answers on antennas or other products.

Configuration

Design	Log Periodic
Band Type	Single
Radiation Pattern	Directional
Polarization	Vertical
Cable Type	Coax Cable
Cable Length	11.8 in [299.72 mm]
Connector Type	N Female
Number of Ports	1

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain			10	dBi
Front to Back Ratio		16		dB
Input Power			100	Watts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 2300-2500 MHz, 10 dBi, Gain, V-pol, Type N Female PEANLP1009

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

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	2.3 to 2.5					GHz
Gain	10					dBi
Horizontal Beam Width	55					Degrees
Vertical Beam Width	50					Degrees
VSWR Max	1.5:1					
Maximum Input Power	100					Watts

Mechanical Specifications

Radome Material	ABS

Size

Overall Length	5.9 in [149.86 mm]
Width	2.2 in [55.88 mm]
Height	4.7 in [119.38 mm]
Weight	0.8 lbs [362.87 g]

Environmental Specifications

Temperature

Operating Range	-40 to +65 deg C
Wind Loading	130.5 MPH [210.02 KPH]

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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2300-2500 MHz, 10 dBi, Gain, V-pol, Type N Female from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: https://www.pasternack.com/single-antenna-0-dbi-gain-n-peanlp1009-p.aspx

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PEANLP1009 CAD Drawing

2300-2500 MHz, 10 dBi, Gain, V-pol, Type N Female