



11920-2170 MHz, 10 dBi, Gain, V-pol, Type N Female

Antennas Technical Data Sheet

PEANLP1008

Features

- Frequency coverage for 1920 MHz to 2170 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 – 9.5 inches
- N-Type Female connector

Applications

- Point-to-point, LPWAN, LTE-M, NB-IoT, IoT, M2M applications
- 5G / 4G LTE B1, B2, B4, B23, B25 / 3G / GSM / AWS operation supported
- 5G Bands supported - n1, n2, n25, n34, n39, n65, n67, n70, n84, n95, n98
- DAS (Distributed Antenna Systems)
- Public safety, utilities, CCTV and local radio coverage
- Smart cities expansion for coverage and IOT / IIOT

Description

Pasternack's PEANLP1008 high gain log periodic antenna is designed to operate from 1920 to 2170 MHz. With 10 dBi of gain, PEANLP1008 is ideal for boosting 5G, LTE, CMDA, LoRA, IoT, WIFI. The Pasternack log periodic PEANLP1008 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 PEANLP1008 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 PEANLP1008 antenna has 1 Type N Female connector on a 9.5 inches long pigtail.

The 10 dBi max gain log periodic PEANLP1008 antenna operates in 5G bands n1, n2, n25, n34, n39, n65, n67, n70, n84, n95, n98. This 1920 to 2170 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	9.4 in [238.76 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: [11920-2170 MHz, 10 dBi, Gain, V-pol, Type N Female PEANLP1008](#)



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Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	1.92 to 2.17					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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11920-2170 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [11920-2170 MHz, 10 dBi, Gain, V-pol, Type N Female PEANLP1008](https://www.pasternack.com/single-antenna-0-dbi-gain-n-peanlp1008-p.aspx)

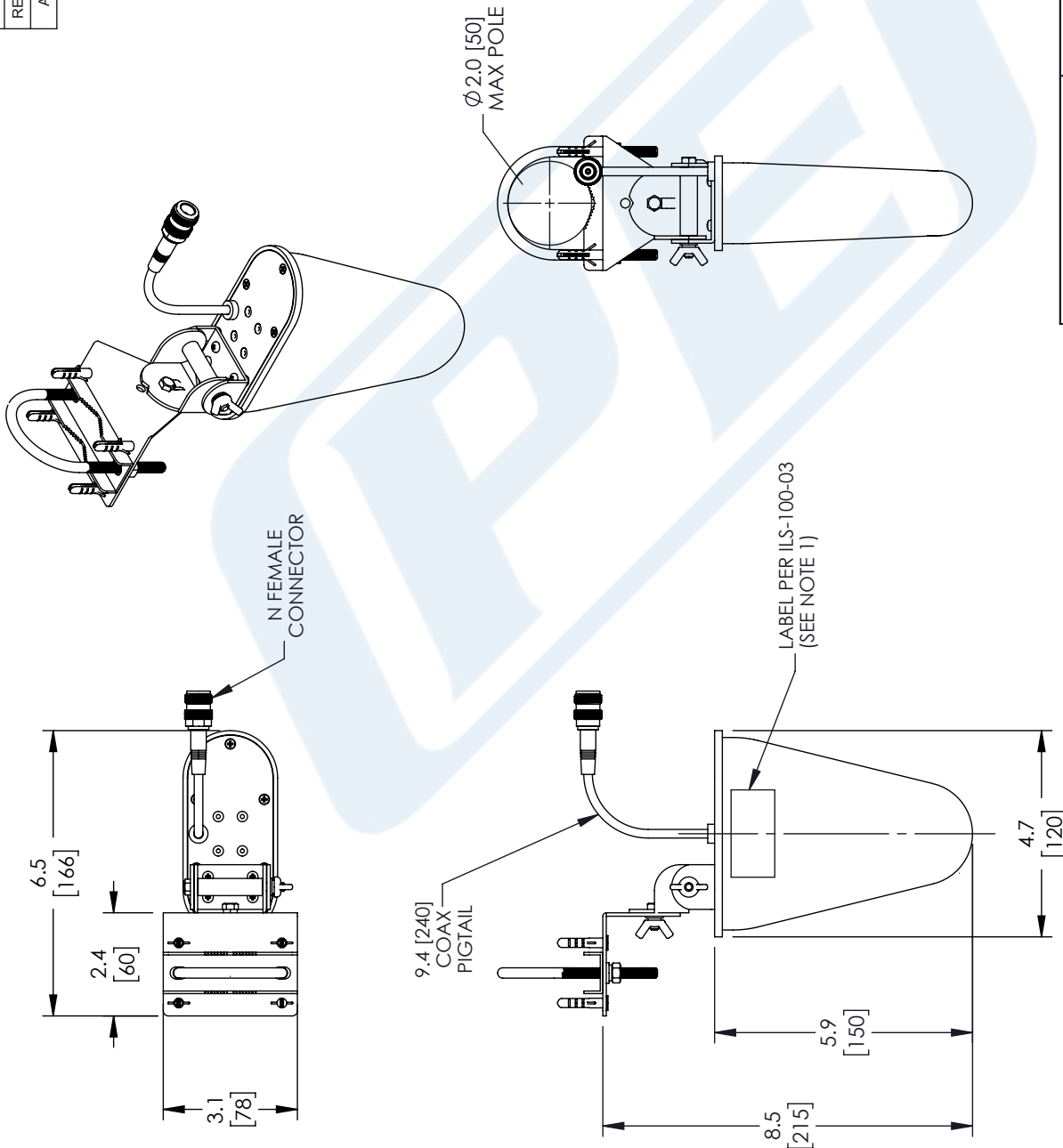
URL: <https://www.pasternack.com/single-antenna-0-dbi-gain-n-peanlp1008-p.aspx>

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PEANLP1008 CAD Drawing

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	03/21/2022	K.HIETPAS



NOTES:

1. LABEL PER ILS-100-03 (FOR INTERNAL REFERENCE ONLY)
LABEL LOCATION FOR REFERENCE ONLY

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ITEM NO.		PEANLP1008	
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