

5725-5850 MHz, 16 dBi, Gain, V-pol, Type N Female



## Antennas Technical Data Sheet

PEANLP1011

### Features

- Frequency coverage for 5725 MHz to 5850 MHz
- Very High Gain 16 dBi Directional Antenna
- Each connector covers wide band of frequencies
- Easy Install universal mounting bracket provided

- Weatherproof ABS radome
- Pigtail – 9 inches
- N-Type Female connector

### Applications

- Point-to-point, NB-IoT, IoT, M2M applications
- 5G / WLAN / Sub-6 GHz operation supported
- 5G Bands supported - n46, n47
- DAS (Distributed Antenna Systems)

- IEEE 802.11a / n / ac / ah / ax Wi-Fi applications
- Public safety, utilities, CCTV and local radio coverage
- Smart cities expansion for coverage and IOT / IIOT

### Description

Pasternack's PEANLP1011 high gain log periodic antenna is designed to operate from 5725 to 5850 MHz. With 16 dbi of gain, PEANLP1011 is ideal for boosting 5G, LTE, CMDA, LoRA, IoT, WIFI. The Pasternack log periodic PEANLP1011 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 PEANLP1011 has vertical polarization, 19 horizontal beamwidth, and 19 vertical beamwidth for point to point communication. The included mounting brackets allow for either vertical or horizontal mounting configurations. The directional PEANLP1011 antenna has 1 Type N Female connector on a 9 inches long pigtail.

The 16 dBi max gain log periodic PEANLP1011 antenna operates in 5G bands n46, n47. This 5725 to 5850 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	9.1 in [231.14 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		16.5		dBi
Front to Back Ratio	18			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: [5725-5850 MHz, 16 dBi, Gain, V-pol, Type N Female PEANLP1011](#)

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### Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	5.725 to 5.85					GHz
Gain	16.5					dBi
Horizontal Beam Width	19					Degrees
Vertical Beam Width	19					Degrees
VSWR Max	1.5:1					
Maximum Input Power	100					Watts

### Mechanical Specifications

Radome Material

ABS

#### Size

Overall Length

16.5 in [419.1 mm]

Width

1.5 in [38.1 mm]

Height

3.2 in [81.28 mm]

Weight

1 lbs [453.59 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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5725-5850 MHz, 16 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: [5725-5850 MHz, 16 dBi, Gain, V-pol, Type N Female PEANLP1011](https://www.pasternack.com/5725-5850-MHz-16-dBi-Gain-V-pol-Type-N-Female-PEANLP1011.aspx)

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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

# PEANLP1011 CAD Drawing

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