



790-960 / 1710-2170 / 2300-2700 MHz,
 11 dBi Gain, V-pol, Type N Female

Antennas Technical Data Sheet

PEANLP1006

Features

- Frequency coverage for 790 MHz to 2700 MHz
- Very High Gain 11 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, LoRA, LTE-M, NB-IoT, IoT, M2M applications
- 5G / 4G LTE B1 to B21, B23, B24, B25 / 3G / GSM / AWS / WLAN operation supported
- 5G Bands supported
- 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 PEANLP1006 high gain log periodic antenna is designed to operate from 790 to 2700 MHz. With 10 to 11 dBi of gain, PEANLP1006 is ideal for boosting 5G, LTE, CMDA, LoRA, IoT, WIFI. The Pasternack log periodic PEANLP1006 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 PEANLP1006 has vertical polarization, 58 horizontal beamwidth, and 47 vertical beamwidth for point to point communication. The included mounting brackets allow for either vertical or horizontal mounting configurations. The directional PEANLP1006 antenna has 1 Type N Female connector on a 12 inches long pigtail.

The 11 dBi max gain log periodic PEANLP1006 antenna operates in 5G bands n1, n2, n3, n5, n7, n8, n18, n20, n25, n26, n30, n34, n38, n39, n40, n41, n53, n65, n66, n67, n70, n80, n81, n82, n84, n86, n89, n90, n91, n92, n93, n94, n95, n97, n98. This 790 to 2700 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	Multi
Radiation Pattern	Directional
Polarization	Vertical
Cable Type	Coax Cable
Cable Length	11.81 in [299.97 mm]
Connector Type	N Female
Number of Ports	1

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Input VSWR			1.7:1	
Impedance		50		Ohms
Gain	10		11	dBi
Front to Back Ratio		25		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: [790-960 / 1710-2170 / 2300-2700 MHz, 11 dBi Gain, V-pol, Type N Female PEANLP1006](#)



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Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.79 to 0.96	1.71 to 2.17	2.3 to 2.7			GHz
Gain	10	10.5	11			dBi
Horizontal Beam Width	58	55	51			Degrees
Vertical Beam Width	47	46	42			Degrees
VSWR Max	1.7:1	1.5:1	1.5:1			
Maximum Input Power	100	100	100			Watts

Mechanical Specifications

Radome Material

ABS

Size

Overall Length

17.4 in [441.96 mm]

Width

2.5 in [63.5 mm]

Height

8.3 in [210.82 mm]

Weight

2.2 lbs [997.9 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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PEANLP1006 CAD Drawing

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