PASTERNACK
an INFINITE brand

698-6000 MHz, 10 to 11 dBi gain, Log Periodic, Type N Female, Low PIM

Antennas Technical Data Sheet PEANLP1014

Features

- Frequency coverage for 698 MHz to 6000 MHz
- Very High Gain 11 dBi Low PIM Directional Antenna
- Each connector covers wide band of frequencies
- Easy Install universal mounting bracket provided
- Weatherproof ABS – UV Resistance PVC radome
- Pigtail - 8 inches
- N-Type Female connector

Applications

- Point-to-point, LPWAN, LoRA, LTE-M, NB-IoT, IoT, CBRS, M2M applications
- 5G / 4G LTE B1 to B10, B12 to B20, B23, B22, B24, B25, B28 / 3G / GSM / AWS / WLAN/ CBRS 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 PEANLP1014 high gain log periodic antenna is designed to operate from 698 to 6000 MHz. With 11 dbi of gain, PEANLP1014 is ideal for boosting 5G, LTE, CMDA, LoRA, IoT, WIFI. The Pasternack log periodic PEANLP1014 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 PEANLP1014 has Vertical polarization, 65 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 PEANLP1014 antenna has 1 Type N Female connector on a 8 inches long pigtail.

The 11 dBi max gain log periodic PEANLP1014 antenna operates in 5G bands n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n46, n47, n48, n53, n65, n66, n67, n67, n70, n71, n77, n78,n79, n80, n81, n82, n83, n84, n85, n86, n89, n90, n91, n92, n93, n94, n95, n96, n97, n98. This 698 to 6000 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	RG58U
Cable Length	7.87 in [199.9 mm]
Connector Type	N Female
Number of Ports	1

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	698		6,000	MHz
Input VSWR		1.7:1	2:1	
Impedance		50		Ohms
Gain	10		11	dBi

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 698-6000 MHz, 10 to 11 dBi gain, Log Periodic, Type N Female, Low PIM PEANLP1014

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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Horizontal Beam Width	50	65	Degrees
Vertical Beam Width	45	50	Degrees
Input Power		100	Watts

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.698 to 0.96	1.71 to 2.7	3.3 to 6			GHz
Gain	10	11	11			dBi
Horizontal Beam Width	65	50	50			Degrees
Vertical Beam Width	50	45	45			Degrees
VSWR Max	2:1	1.7:1	2:1			
Maximum Input Power	100	100	100			Watts

Mechanical Specifications

Radome Material: ABS

Size

Overall Length	17.5 in [444.5 mm]
Width	8.26 in [209.8 mm]
Height	2.51 in [63.75 mm]
Weight	1.85 lbs [839.15 g]

Environmental Specifications

Temperature

Operating Range	-40 to +60 deg C
Wind Loading	150 MPH [241.4 KPH]

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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698-6000 MHz, 10 to 11 dBi gain, Log Periodic, Type N Female, Low PIM 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/multi-antenna-698-mhz-6-ghz-0-dbi-gain-n-peanlp1014-p.aspx

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PEANLP1014 CAD Drawing

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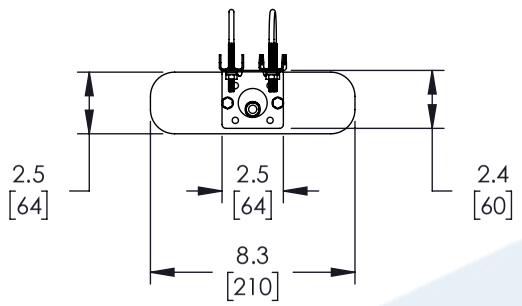
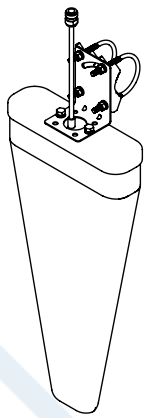
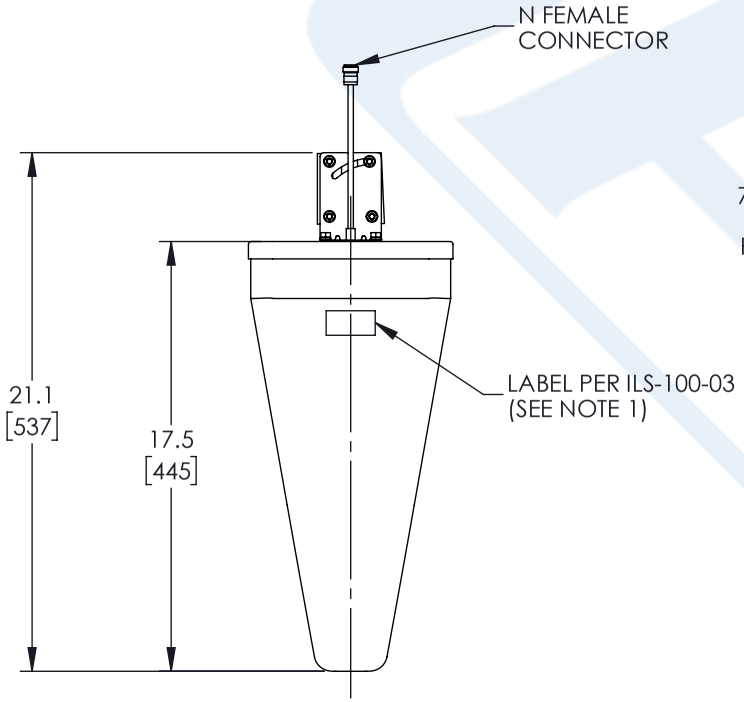
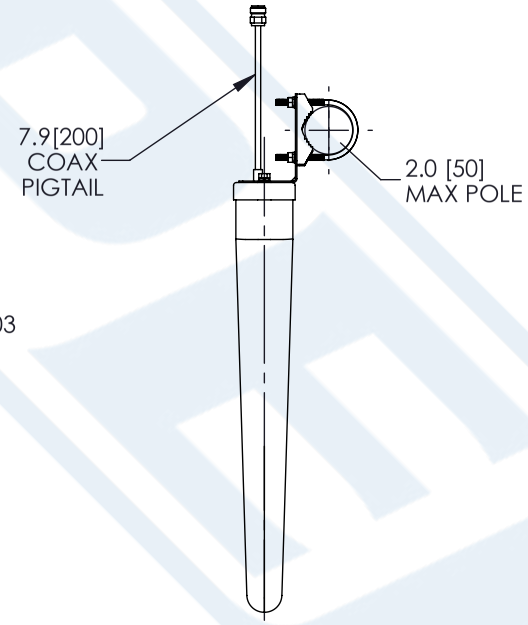
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	03/31/2022	K.HEITPAS









NOTES:

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

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

.X = ± .2 [5.08]	FRACTIONS
.XX = ± .02 [.51]	± 1/32
.XXX = ± .005 [.13]	ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5%L / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

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THIRD-ANGLE PROJECTION

SHEET 1 OF 1

SCALE N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	K.GLEBOVA	PEANLP1014	A