PASTERNACK
an INFINITE brand

600-960 / 1710-2700 / 3300-3800 MHz, 7 / 9 / 11, MIMO Log Periodic Antenna, 2 x N Female Connector

Antennas Technical Data Sheet PEANLP1004

Features

- Frequency coverage for 600 MHz to 3800 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 – 20 inches
- 2 X 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 PEANLP1004 high gain log periodic antenna is designed to operate from 600 to 3800 MHz. With 11 dbi of gain, PEANLP1004 is ideal for boosting 5G, LTE, CMDA, LoRA, IoT, WIFI. The Pasternack log periodic PEANLP1004 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 PEANLP1004 has V/H polarization, 85 horizontal beamwidth, and 65 vertical beamwidth for point to point communication. The included mounting brackets allow for either vertical or horizontal mounting configurations. The directional PEANLP1004 antenna has 2 Type N Female connector on a 20 Inches long pigtail.

The 11 dBi max gain log periodic PEANLP1004 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, n48, n53, n65, n66, n67, n67, n70, n71, n77, n78, n80, n81, n82, n83, n84, n85, n86, n89, n90, n91, n92, n93, n94, n95, n97, n98. This 600 to 3800 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 and Horizontal
Cable Type	RG58
Cable Length	19.69 in [500.13 mm]
Connector Type	N Female
Number of Ports	2

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	600		3,800	MHz
Input VSWR		2:1	2.5:1	
Impedance		50		Ohms
Gain	7		11	dBi

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 600-960 / 1710-2700 / 3300-3800 MHz, 7 / 9 / 11, MIMO Log Periodic Antenna, 2 x N Female Connector PEANLP1004

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
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Input Power	50	Watts

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.6 to 0.96	1.71 to 2.7	3.3 to 3.8			GHz
Gain	7	9	11			dBi
Horizontal Beam Width	85	65	55			Degrees
Vertical Beam Width	65	50	45			Degrees
VSWR Max	2.5:1	2.5:1	2:1			
Maximum Input Power	50	50	50			Watts

Mechanical Specifications

Radome Material	ABS
Size	
Overall Length	18.2 in [462.28 mm]
Width	10.2 in [259.08 mm]
Height	10.2 in [259.08 mm]
Mounting Mast Diameter	1.57 to 1.97 in [39.88 to 50.04 mm]
Weight	3 lbs [1.36 kg]

Environmental Specifications

Temperature	
Operating Range	-40 to +70 deg C
Wind Loading	150 MPH [241.4 KPH]
Humidity	5 to 95

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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600-960 / 1710-2700 / 3300-3800 MHz, 7 / 9 / 11, MIMO Log Periodic Antenna, 2 x N Female Connector 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-600-mhz-3.8-ghz-0-dbi-gain-n-peanlp1004-p.aspx

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PEANLP1004 CAD Drawing

600-960 / 1710-2700 / 3300-3800 MHz, 7 / 9 / 11, MIMO
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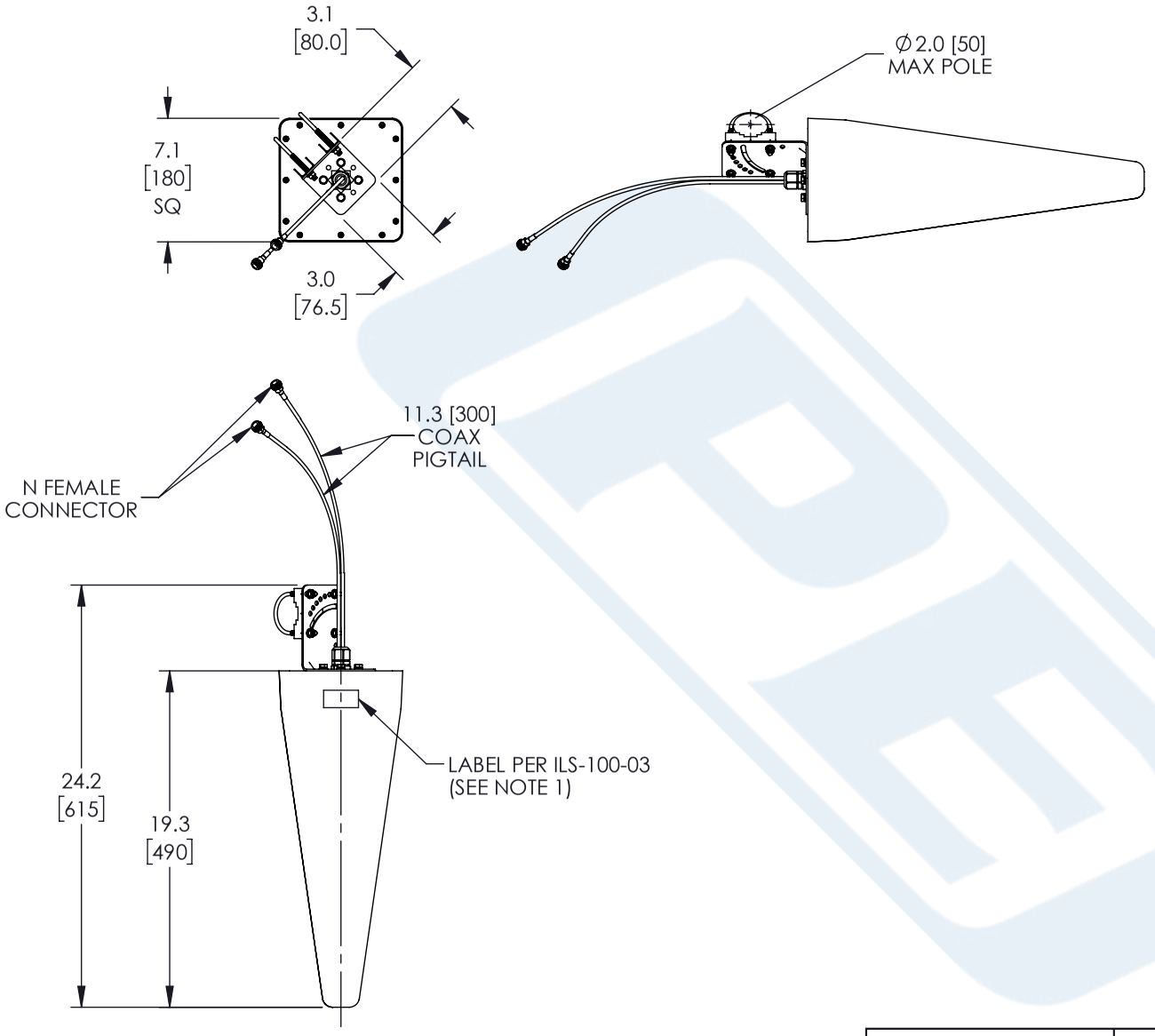
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	03/28/2022	KHIETPAS



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

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

TOLERANCES:

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

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	PEANLP1004	A