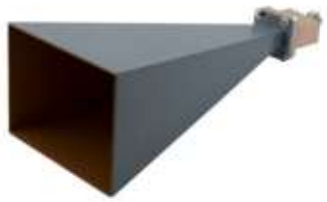
PASTERNACK
an INFINITE brand



WR-102 Standard Gain Horn with 20 dBi gain, End Launch N Female connector

Technical Data Sheet PEWAN102-20ELNF

Features

- 7 GHz to 11 GHz
- WR-102 Waveguide Band
- 20 dBi Nominal Gain
- N Female End Launch Connector

Applications

- Antenna Measurements
- Wireless Communication
- Laboratory Use
- Microwave Radio Systems
- Radome Testing
- Automotive Antenna Test Solutions
- Radar Cross Section
- Satellite Antenna Testing

Description

The PEWAN102-20ELNF standard gain horn antenna (also known as waveguide horn) from Pasternack is part of our comprehensive selection of waveguide antennas. This standard gain horn is mated with a WR-102 to N Female End Launch waveguide to coaxial adapter and operates from 7 GHz to 11 GHz.

Our PEWAN102-20ELNF standard gain horn antenna has a nominal gain of 20 dBi with a Horizontal and Vertical HPBW (Half Power Beam Width) of 17.5 dB and 17.3 dB respectively. Pasternack's N Female End Launch to WR-102 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and connectorized input.

Waveguide antennas, such as the PEWAN102-20ELNF are used in a wide variety of applications due to the high-power handling capability, low loss, high directivity, and near constant electrical performance. Our WR-102 waveguide antennas with N Female End Launch interface is part of over 40,000 RF, microwave and millimeter wave components from Pasternack available worldwide and Ship same day.

Configuration

Design	WR-102 Standard Gain Horn
Coaxial Interface	N Female

Electrical Specifications

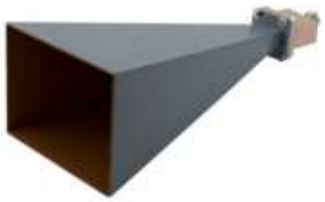
Description	Minimum	Typical	Maximum	Units
Frequency Range	7		11	GHz
Waveguide Standard Gain Horn				
Gain		20		dBi
Horizontal Half Power Beam Width		17.5		Degrees
Vertical Half Power Beam Width		17.3		Degrees
Waveguide to Coaxial Adapter				
Input VSWR			1.25:1	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-102 Standard Gain Horn with 20 dBi gain, End Launch N Female connector PEWAN102-20ELNF

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

© 2020 Pasternack Enterprises All Rights Reserved

PASTERNACK
an INFINITE brand



WR-102 Standard Gain Horn with 20 dBi gain,
End Launch N Female connector

Technical Data Sheet PEWAN102-20ELNF

Mechanical Specifications

Size

Length	12.373 in [314.27 mm]
Width	4.988 in [126.7 mm]
Height	3.701 in [94.01 mm]
Weight	1.077 lbs [488.52 g]

RF Connector

Type	N Female
Specification	End Launch

Waveguide Interface

Waveguide Size	WR-102

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

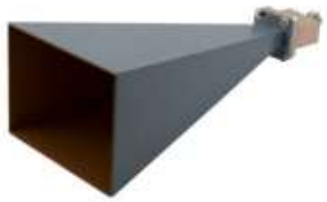
Notes:

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: WR-102 Standard Gain Horn with 20 dBi gain, End Launch N Female connector PEWAN102-20ELNF

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

© 2020 Pasternack Enterprises All Rights Reserved

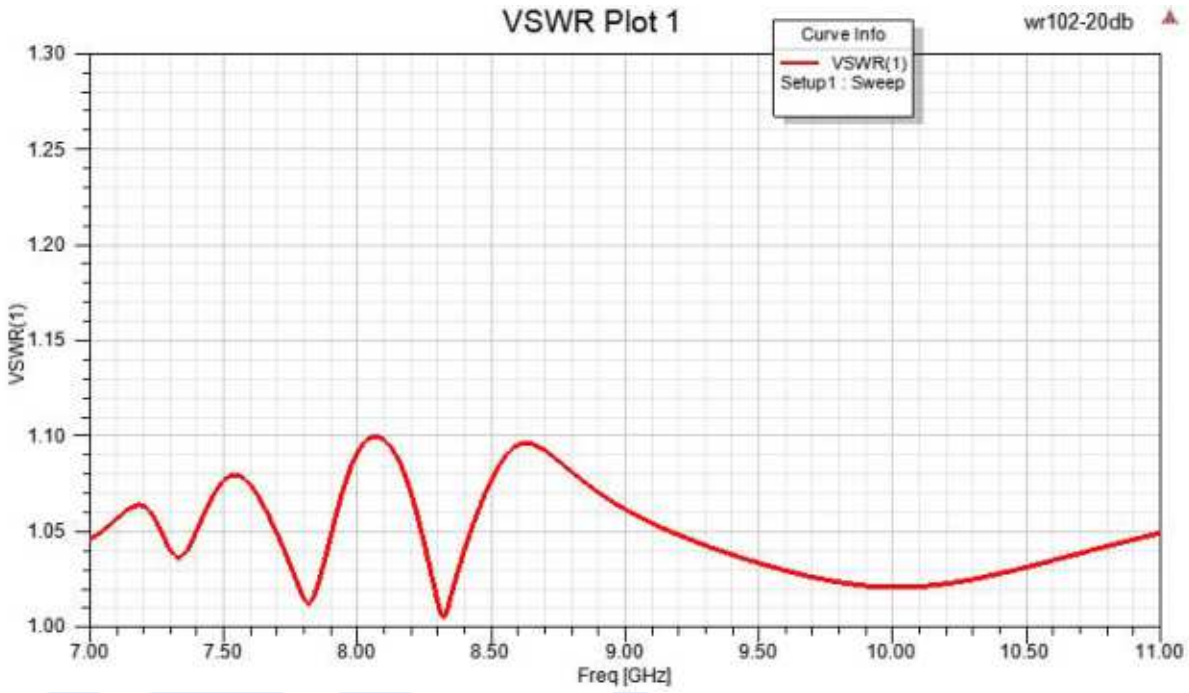
PASTERNACK
an INFINITE brand



WR-102 Standard Gain Horn with 20 dBi gain,
End Launch N Female connector

Technical Data Sheet PEWAN102-20ELNF

Typical Performance Data

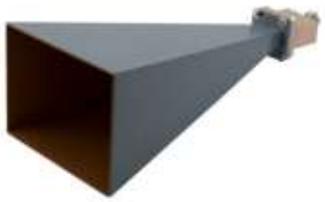


Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: WR-102 Standard Gain Horn with 20 dBi gain, End Launch N Female connector PEWAN102-20ELNF

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

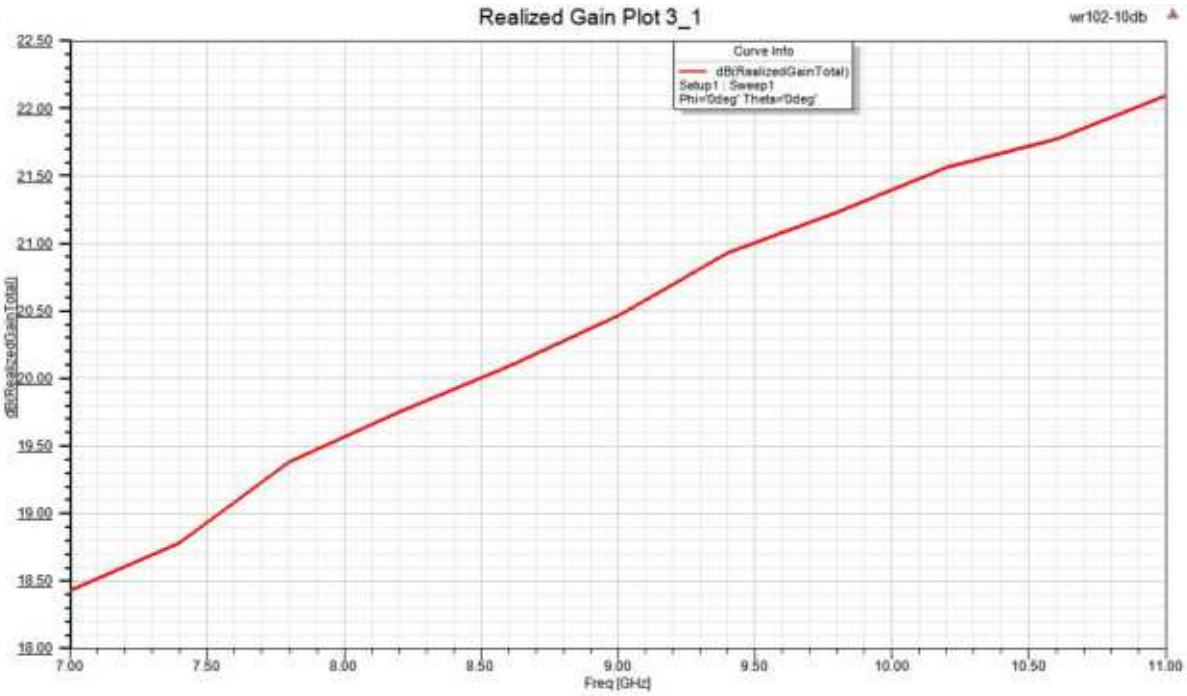
© 2020 Pasternack Enterprises All Rights Reserved

PASTERNACK
an INFINITE brand



WR-102 Standard Gain Horn with 20 dBi gain,
End Launch N Female connector

Technical Data Sheet PEWAN102-20ELNF

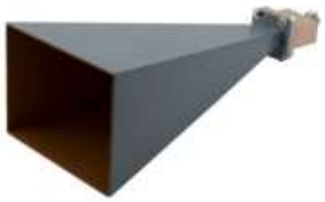


Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: WR-102 Standard Gain Horn with 20 dBi gain, End Launch N Female connector PEWAN102-20ELNF

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

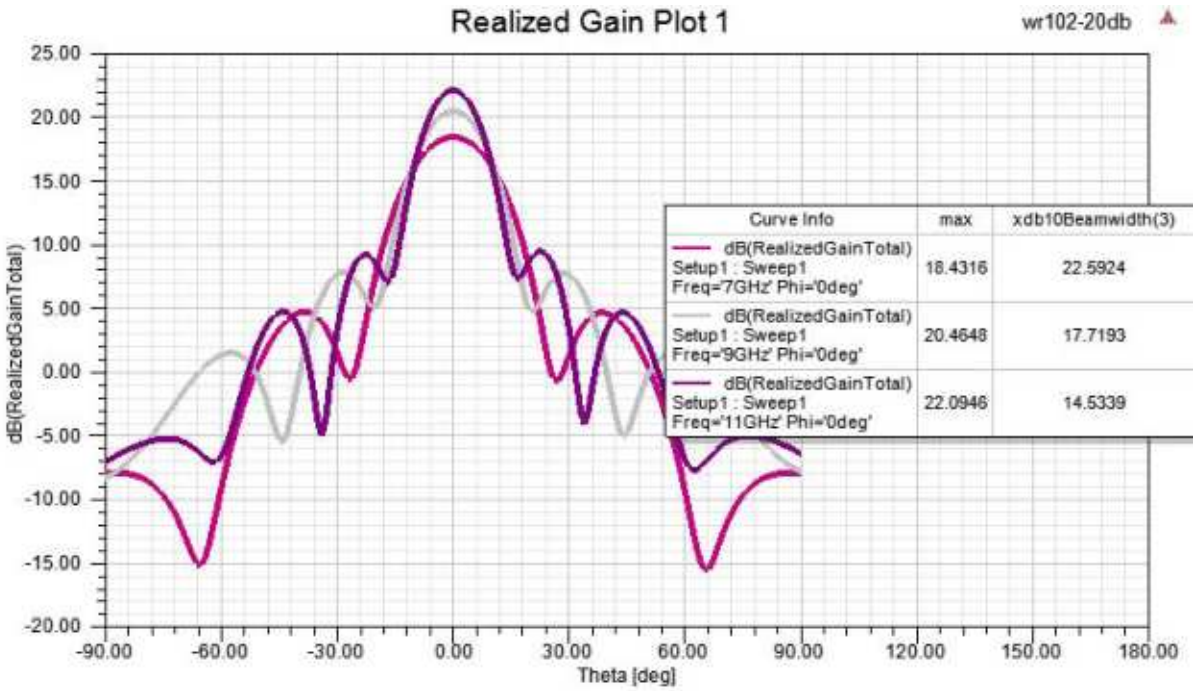
© 2020 Pasternack Enterprises All Rights Reserved

PASTERNACK
an INFINITE brand



WR-102 Standard Gain Horn with 20 dBi gain,
End Launch N Female connector

Technical Data Sheet PEWAN102-20ELNF

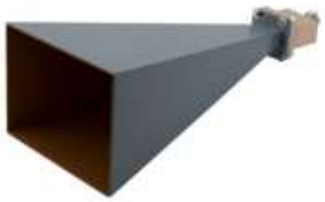


Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: WR-102 Standard Gain Horn with 20 dBi gain, End Launch N Female connector PEWAN102-20ELNF

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

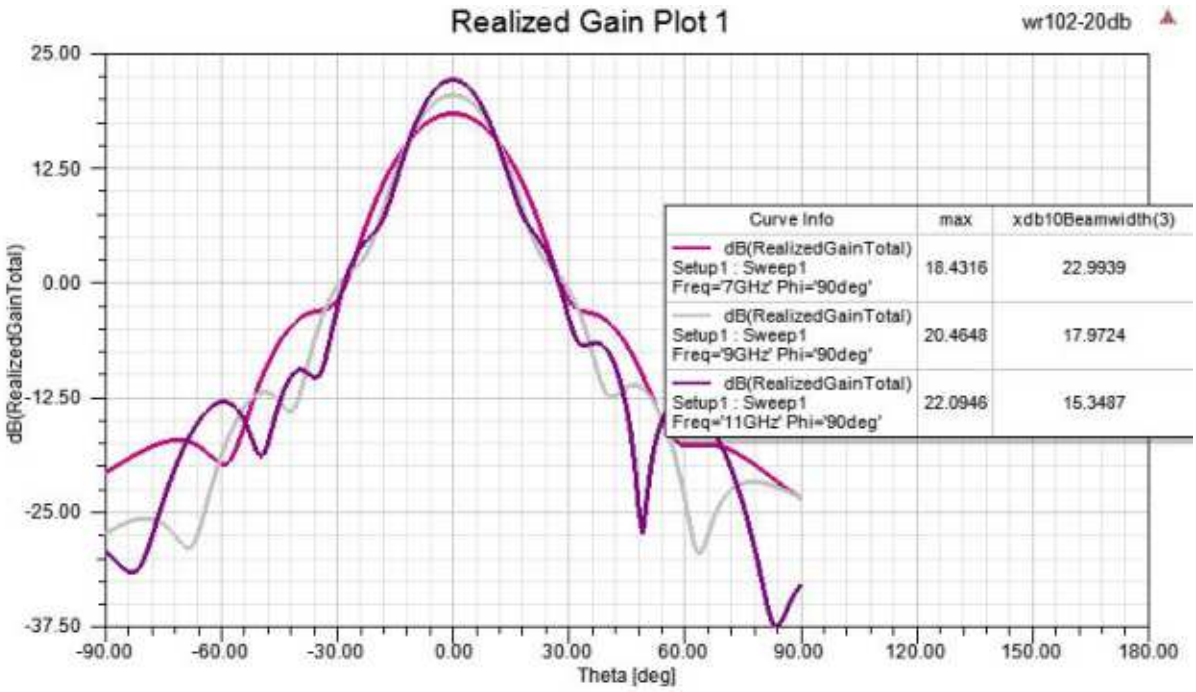
© 2020 Pasternack Enterprises All Rights Reserved

PASTERNACK
an INFINITE brand



WR-102 Standard Gain Horn with 20 dBi gain, End Launch N Female connector

Technical Data Sheet PEWAN102-20ELNF



WR-102 Standard Gain Horn with 20 dBi gain, End Launch 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.

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: WR-102 Standard Gain Horn with 20 dBi gain, End Launch N Female connector PEWAN102-20ELNF

URL:

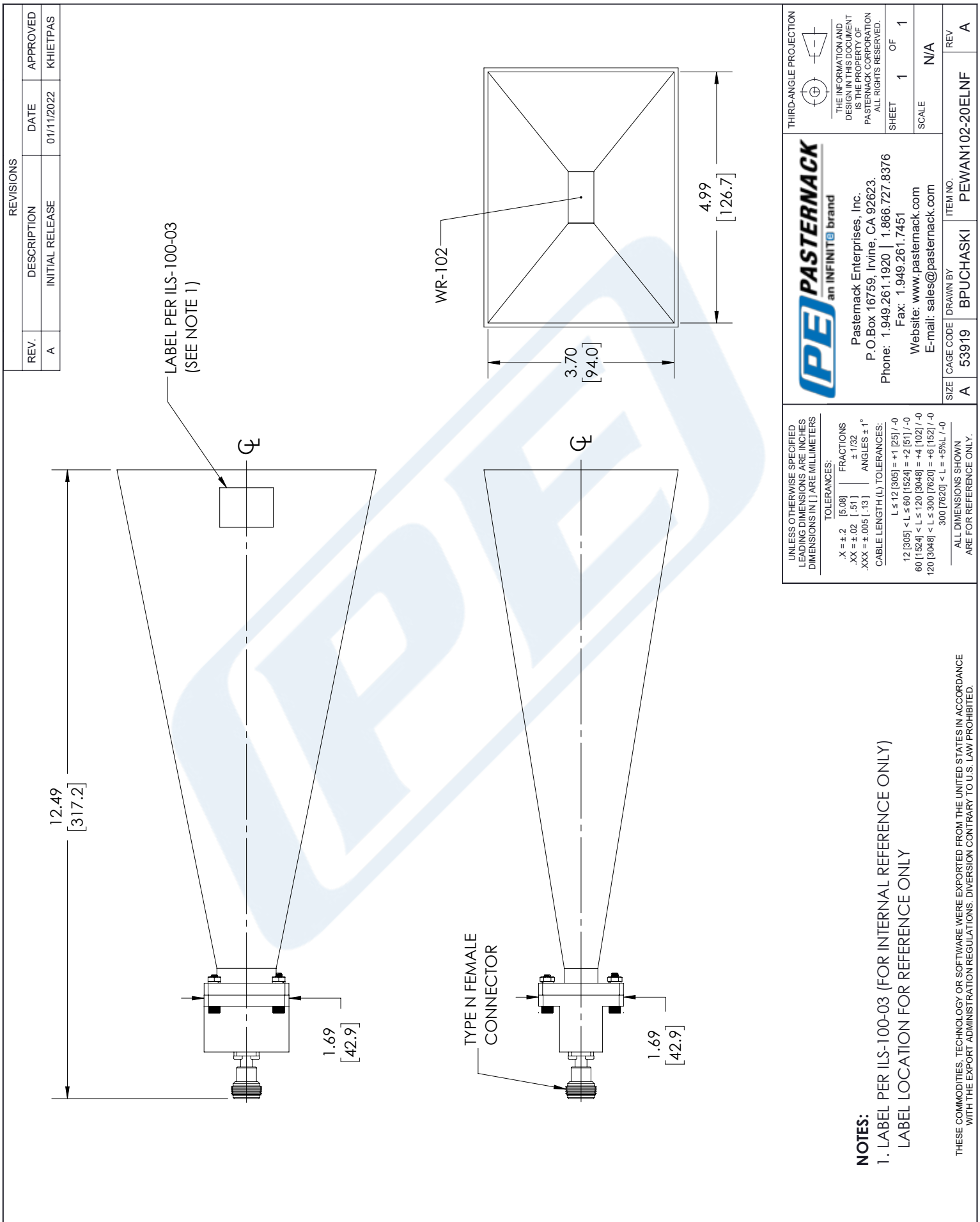
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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.

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

© 2020 Pasternack Enterprises All Rights Reserved

PEWAN102-20ELNF CAD Drawing

WR-102 Standard Gain Horn with 20 dBi gain, End Launch N Female connector



© 2020 Pasternack Enterprises All Rights Reserved