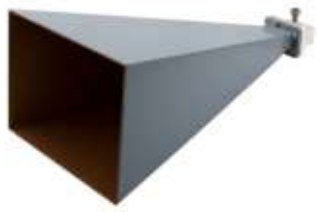
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WR-137 Standard Gain Horn with 20 dBi gain, N Female connector

Technical Data Sheet PEWAN137-20NF

Features

- 5.85 GHz to 8.2 GHz
- WR-137 Waveguide Band
- 20 dBi Nominal Gain
- N Female 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 PEWAN137-20NF 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-137 to N Female waveguide to coaxial adapter and operates from 5.85 GHz to 8.2 GHz.

Our PEWAN137-20NF 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 to WR-137 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and connectorized input.

Waveguide antennas, such as the PEWAN137-20NF 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-137 waveguide antennas with N Female interface is part of over 40,000 RF, microwave and millimeter wave components from Pasternack available worldwide and Ship same day.

Configuration

Design	WR-137 Standard Gain Horn
Coaxial Interface	N Female

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	5.85		8.2	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			1.3:1	

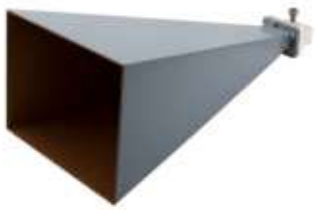
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-137 Standard Gain Horn with 20 dBi gain, N Female connector PEWAN137-20NF

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Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
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WR-137 Standard Gain Horn with 20 dBi gain, N Female connector



Technical Data Sheet PEWAN137-20NF

Mechanical Specifications

Size

Length	16.138 in [409.91 mm]
Width	6.69 in [169.93 mm]
Height	4.963 in [126.06 mm]
Weight	1.8265 lbs [828.49 g]

RF Connector

Type	N Female

Waveguide Interface

Waveguide Size	WR-137

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

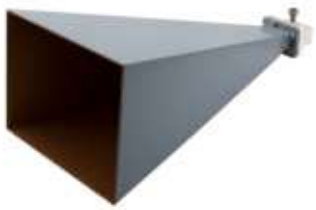
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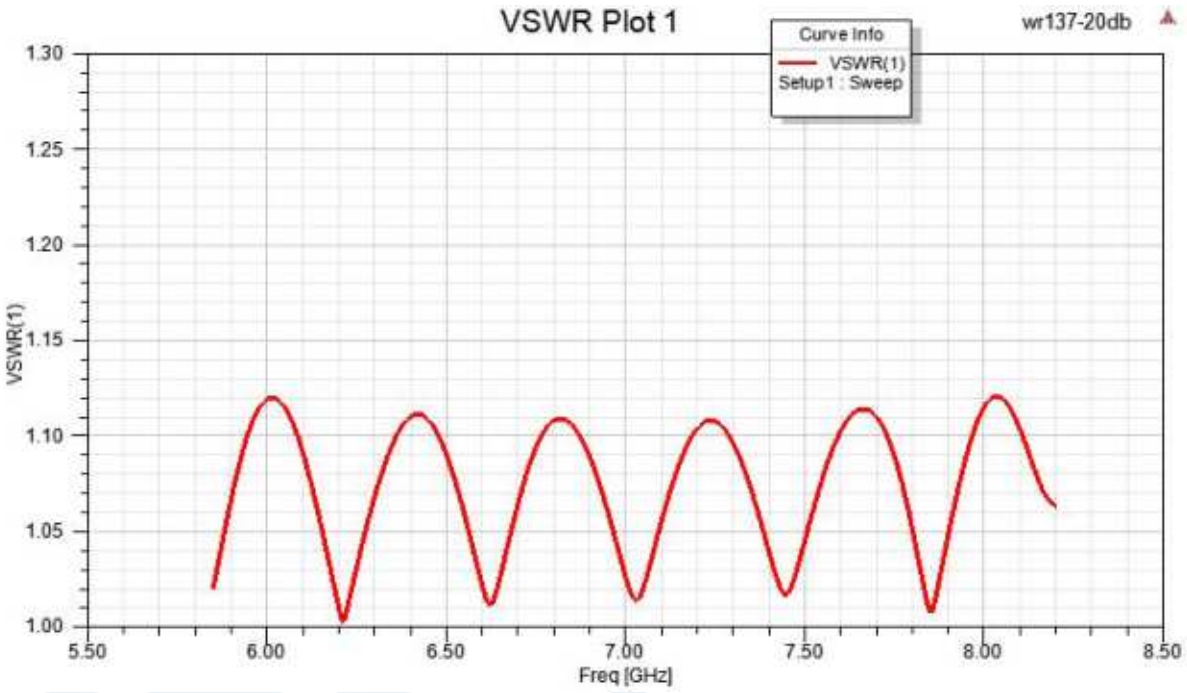
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WR-137 Standard Gain Horn with 20 dBi gain, N Female connector

Technical Data Sheet PEWAN137-20NF

Typical Performance Data

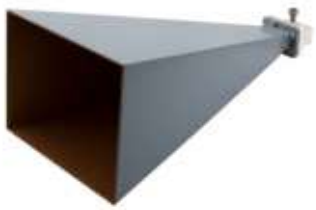


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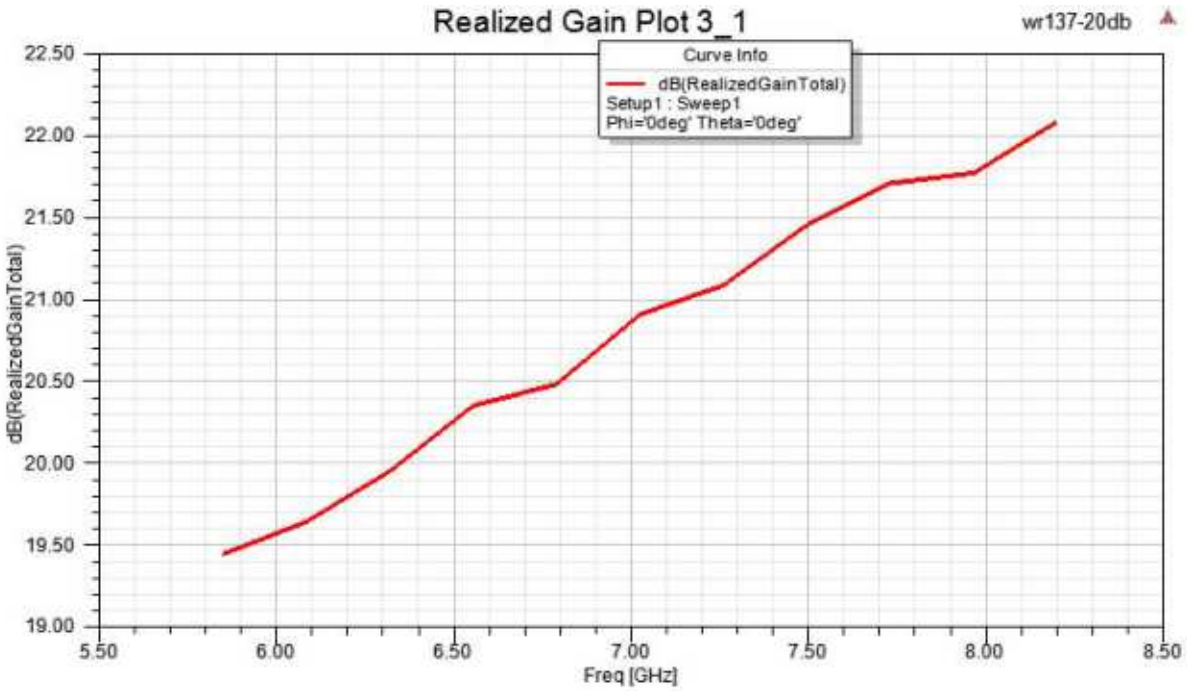
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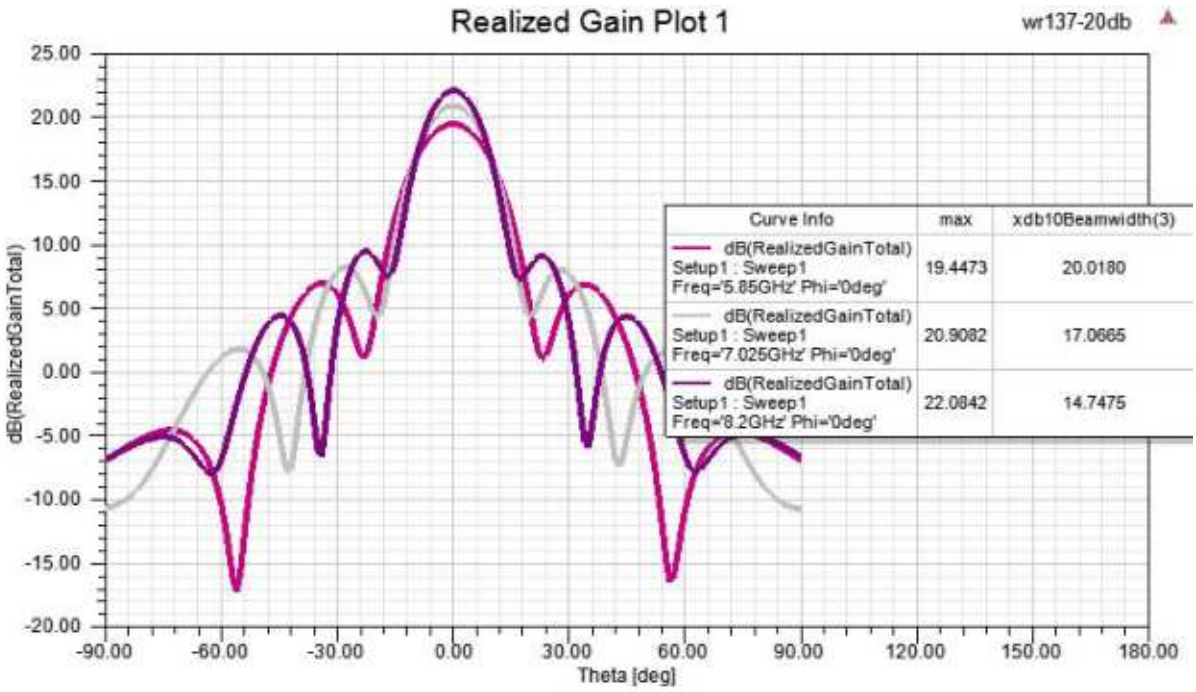
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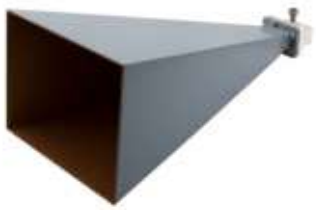


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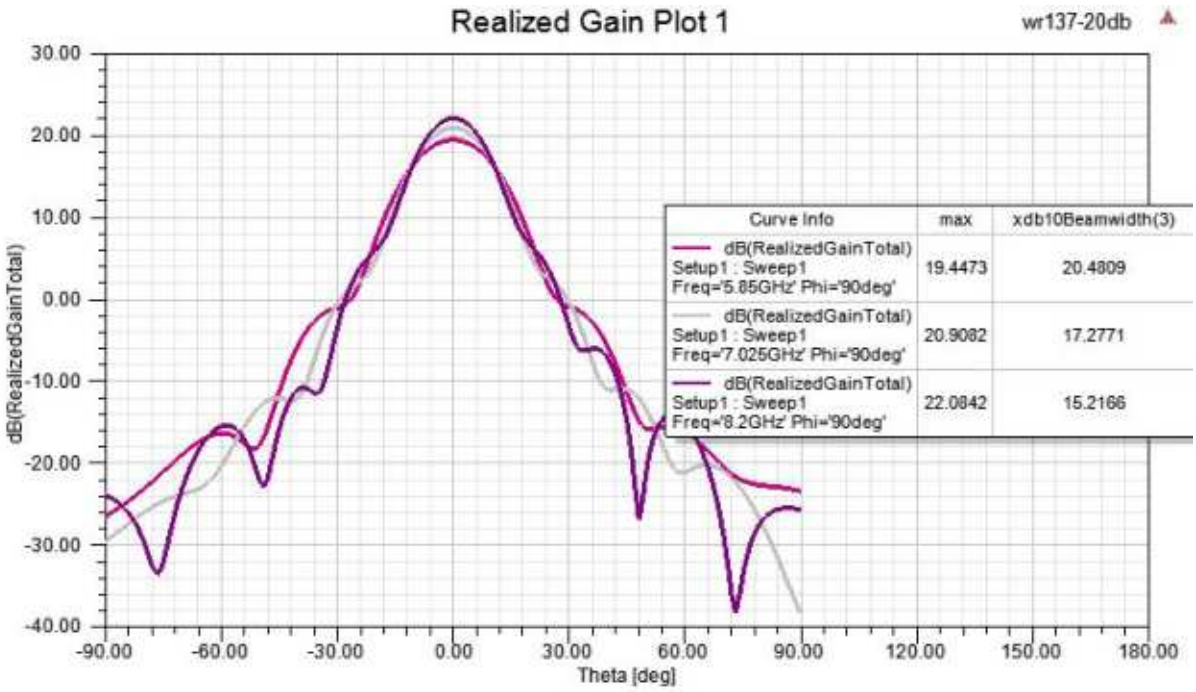
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WR-137 Standard Gain Horn with 20 dBi gain, N Female connector from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the 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-137 Standard Gain Horn with 20 dBi gain, N Female connector PEWAN137-20NF

URL:

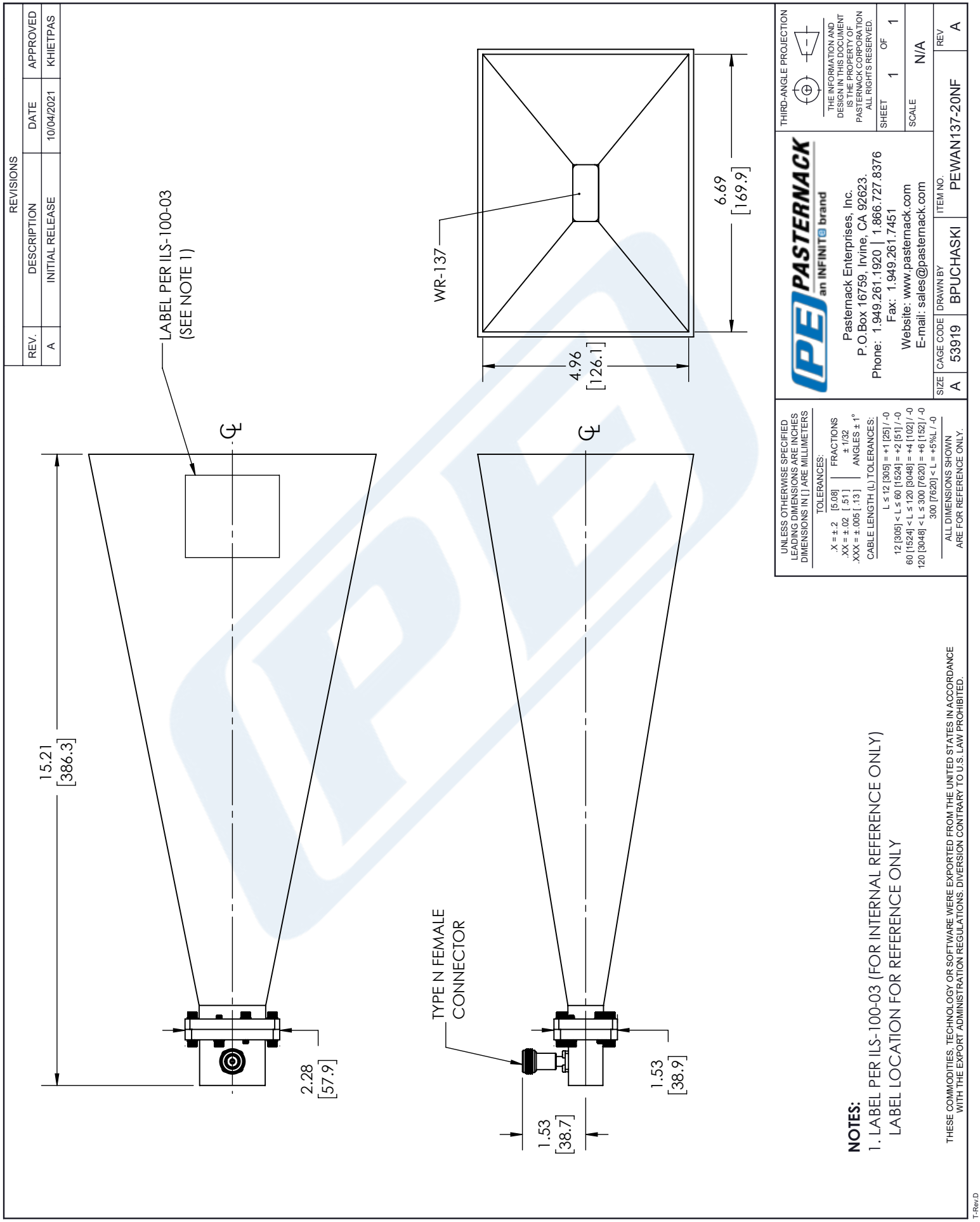
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PEWAN137-20NF CAD Drawing

WR-137 Standard Gain Horn with 20 dBi gain, N Female connector



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