WR-112 Standard Gain Horn with 10 dBi gain, SMA Female connector



PEWAN112-10SF

Features

- 7.05 GHz to 10 GHz
- WR-112 Waveguide Band
- 10 dBi Nominal Gain
- SMA 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 PEWAN112-10SF 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-112 to SMA Female waveguide to coaxial adapter and operates from 7.05 GHz to 10 GHz.

Our PEWAN112-10SF standard gain horn antenna has a nominal gain of 10 dBi with a Horizontal and Vertical HPBW (Half Power Beam Width) of 52.1 dB and 51.6 dB respectively. Pasternack's SMA Female to WR-112 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and connectorized input.

Waveguide antennas, such as the PEWAN112-10SF 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-112 waveguide antennas with SMA 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-112
Coaxial Interface	SMA Female

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	7.05		10	GHz
Gain		10		
Horizontal Half Power Beam Width		52.1		Degrees
Vertical Half Power Beam Width		51.6		
Waveguide to Coaxial Adapter				
VSWR			1.3:1	

Mechanical Specifications

Size	
Length	3.502 in [88.95 mm]
Width	1.705 in [43.31 mm]
Height	1.369 in [34.77 mm]
Weight	0.423 lbs [191.87 g]

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+1 (866) 558-2786 | sales@pasternack.com | pasternack.com

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RF Connector

Type	SMA Female

Waveguide Interface

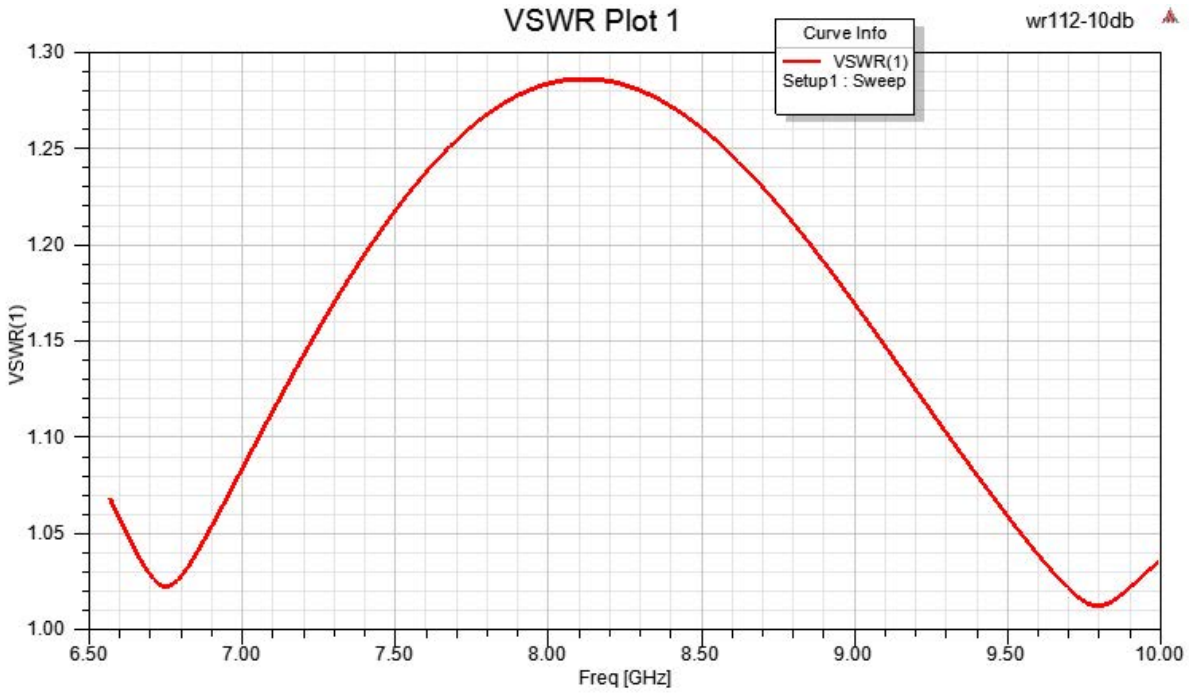
Waveguide Size	WR-112

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Performance Data

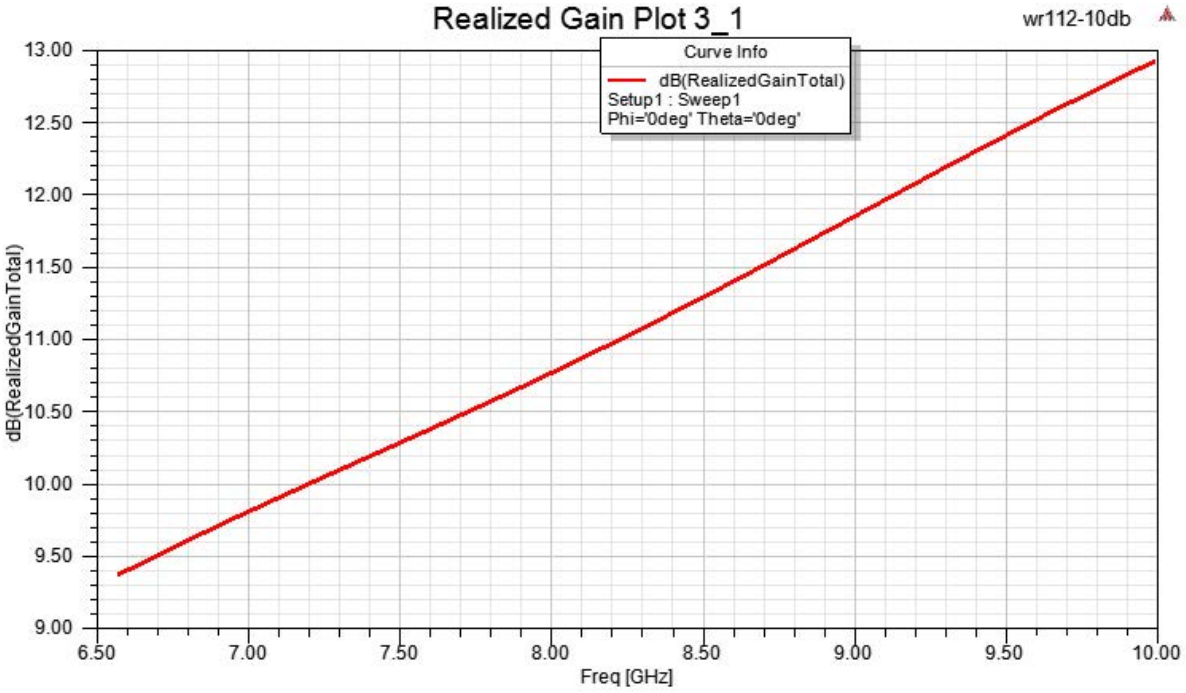


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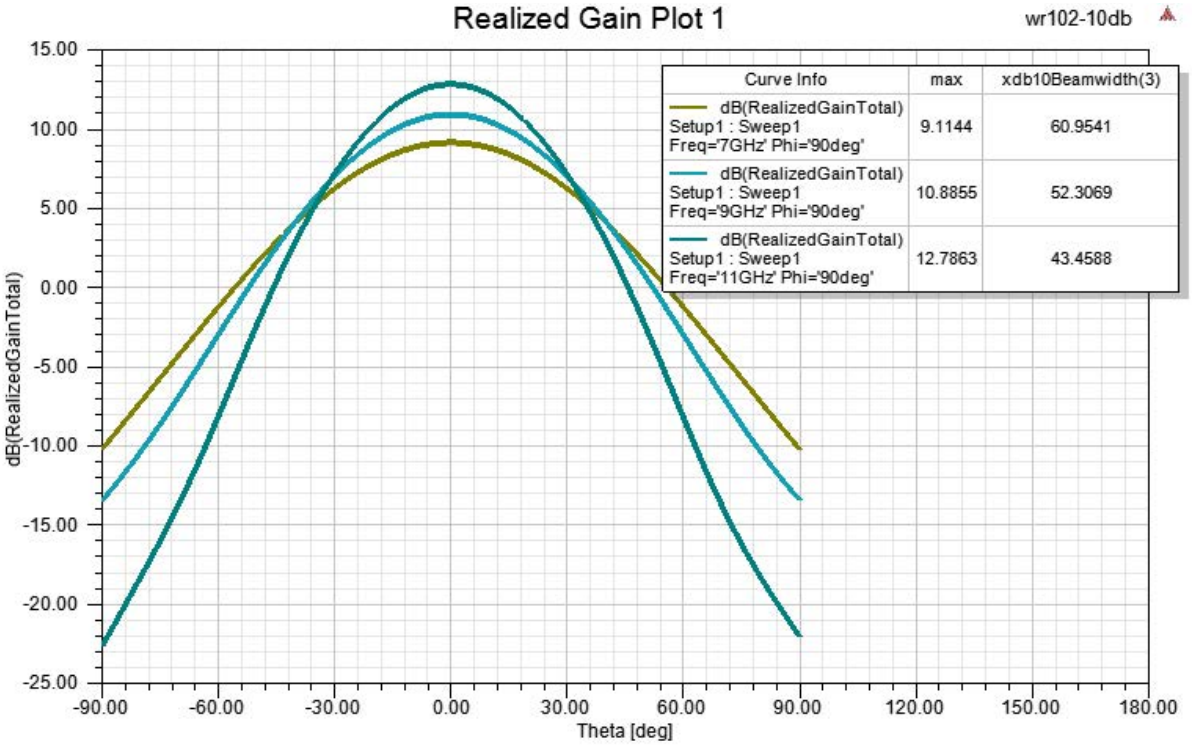


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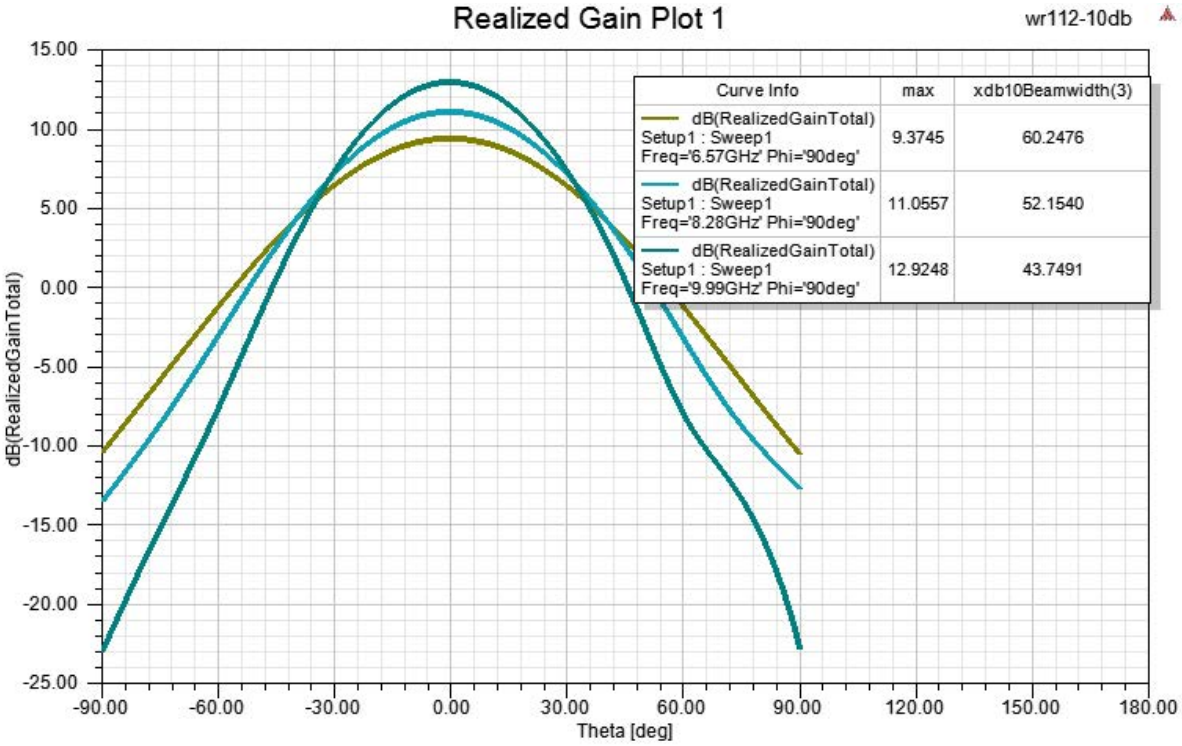


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PEWAN112-10SF



WR-112 Standard Gain Horn with 10 dBi gain, SMA 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-112 Standard Gain Horn with 10 dBi gain, SMA Female connector PEWAN112-10SF

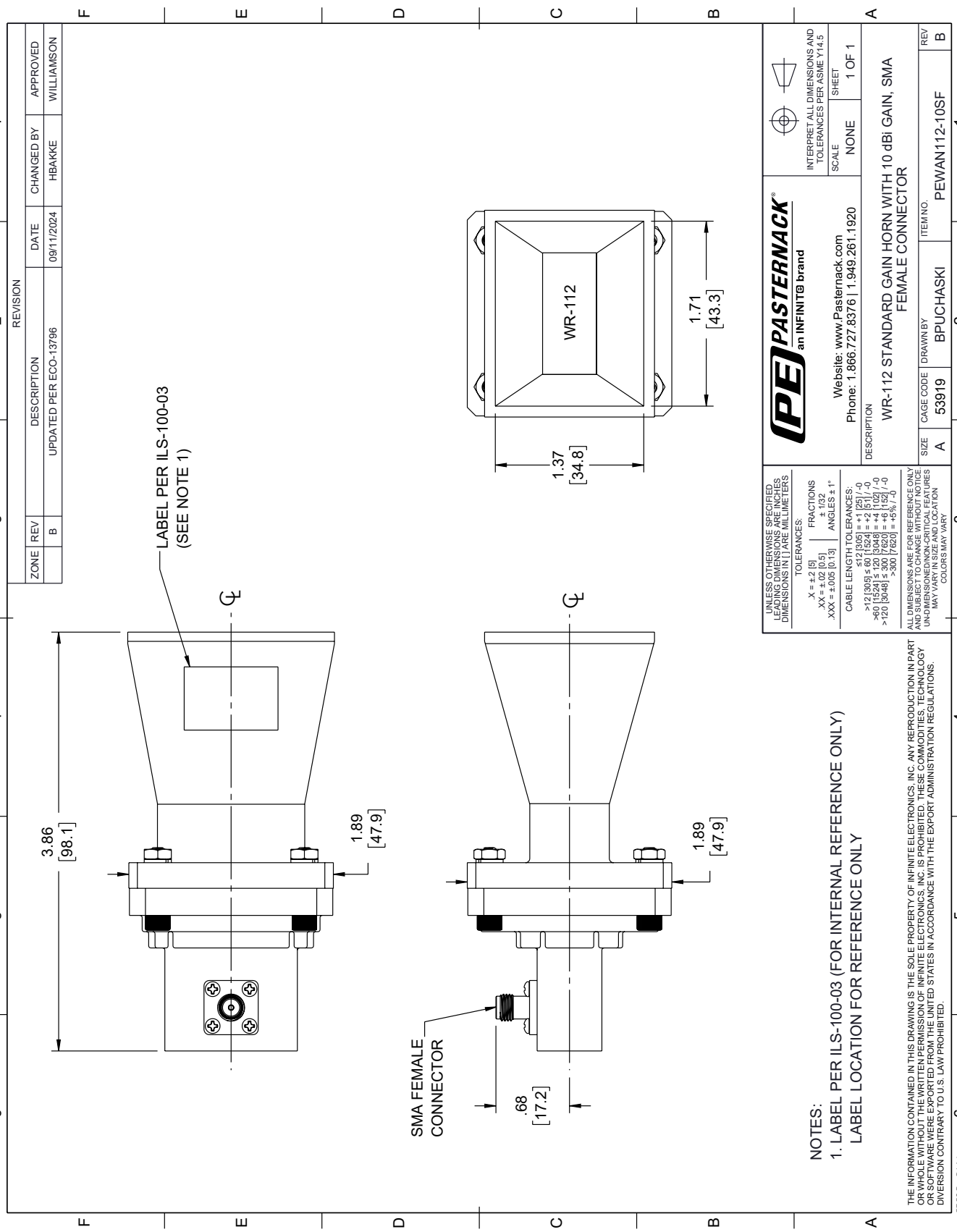
URL: https://www.pasternack.com/wr-112-waveguide-standard-gain-horn-antenna-10-dbi-sma-pewan112-10sf-p.aspx

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PEWAN112-10SF CAD Drawing

WR-112 Standard Gain Horn with 10 dBi gain, SMA Female connector



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