

WR-159 Standard Gain Horn Antenna Operating From 4.9 GHz to 7.05 GHz, 10 dBi Nominal Gain, ? Flange



Waveguide Antennas Technical Data Sheet

PEWAN159-10

Features

- WR-159 Rectangular Waveguide Interface
- 4.9 GHz to 7.05 GHz
- 10 dBi Nominal Gain

- CMR-159 Cover Flange
- C Band

Applications

- · Antenna Measurements
- · Wireless Communication

- Laboratory Use
- Microwave Radio Systems

Description

The PEWAN159-10 C Band standard gain horn antenna (also known as waveguide horn) from Pasternack has a nominal gain of 10 dBi. This WR-159 standard gain horn has a CMR-159 type flange. The Pasternack 10 dBi WR-159 horn antenna operates from 4.9 GHz to 7.05 GHz. The WR-159 PEWAN159-10 waveguide horn is Powder coated Aluminum for added protection and corrosion resistance. It is part of over 40,000 RF, microwave and millimeter wave components available from Pasternack. Waveguide standard gain horn antennas are used in a wide variety of applications due to their high power handling capability, low loss, high directivity, and near constant electrical performance. Pasternack's WR-159 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and rectangular input. Our WR-159 standard gain horn antennas can ship worldwide the same day as it is purchased as with our other available RF parts.

Configuration

Design Polarization WR-159 Linear

Electrical Specifications

4.0			
4.9		7.05	GHz
	10		dB
	52.1		Degrees
	51.6		Degrees
	1.3:1		
		10 52.1 51.6	10 52.1 51.6

Mechanical Specifications

Size

 Length
 3.15 in [80.01 mm]

 Width
 2.417 in [61.39 mm]

 Height
 1.94 in [49.28 mm]

 Weight
 0.3 lbs [136.08 g]

Waveguide Interface

Waveguide Size WR-159

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-159 Standard Gain Horn Antenna Operating From 4.9 GHz to 7.05 GHz, 10 dBi Nominal Gain, ? Flange PEWAN159-10

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451

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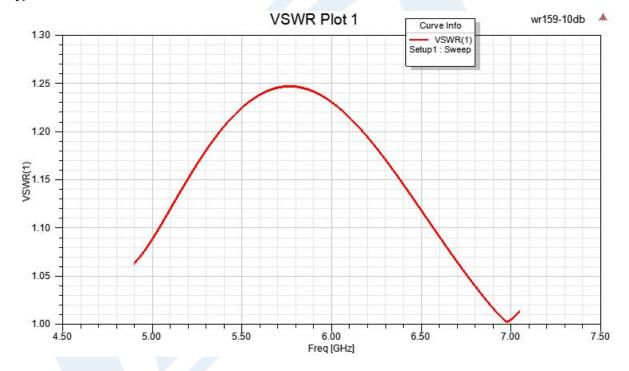
PEWAN159-10

Flange Type Body Material and Plating CMR-159 Aluminum, Gray

Compliance Certifications (see product page for current document)

Plotted and Other Data

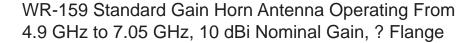
Typical Performance Data



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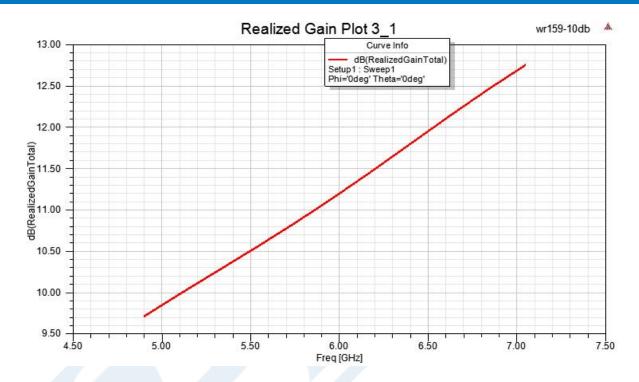






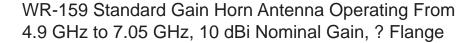
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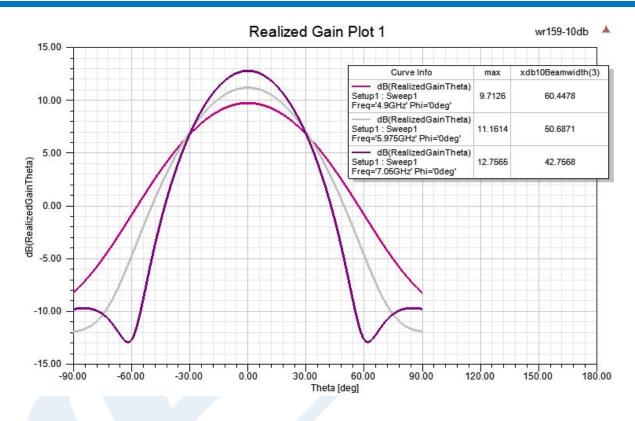






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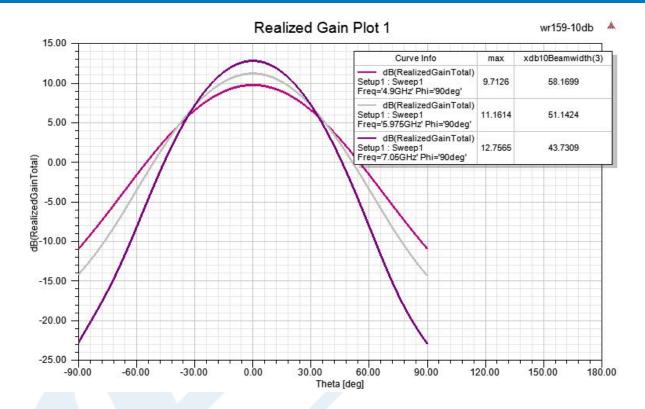


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WR-159 Standard Gain Horn Antenna Operating From 4.9 GHz to 7.05 GHz, 10 dBi Nominal Gain, ? Flange from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: https://www.pasternack.com/wr-159-gain-horn-antenna-4-ghz-to-7-ghz-10-dbi-gain-pewan159-10-p.aspx

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.

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PEWAN159-10 CAD DrawingWR-159 Standard Gain Horn Antenna Operating From 4.9 GHz to 7.05 GHz, 10 dBi Nominal Gain, ? Flange

