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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	WR-159
Polarization	Linear

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	4.9		7.05	GHz
Nominal Gain		10		dB
Horizontal Half Power Beam Width		52.1		Degrees
Vertical Half Power Beam Width		51.6		Degrees
VSWR		1.3:1		

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

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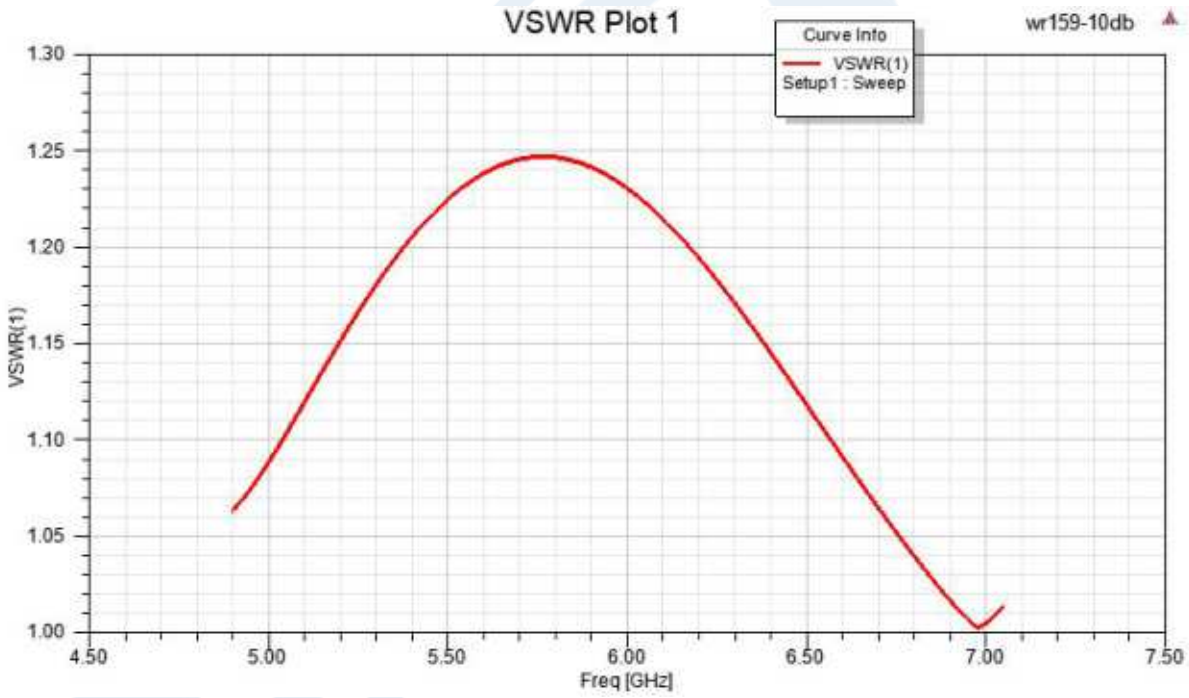
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Flange Type	CMR-159
Body Material and Plating	Aluminum, Gray

Compliance Certifications (see product page for current document)

Plotted and Other Data

Typical Performance Data



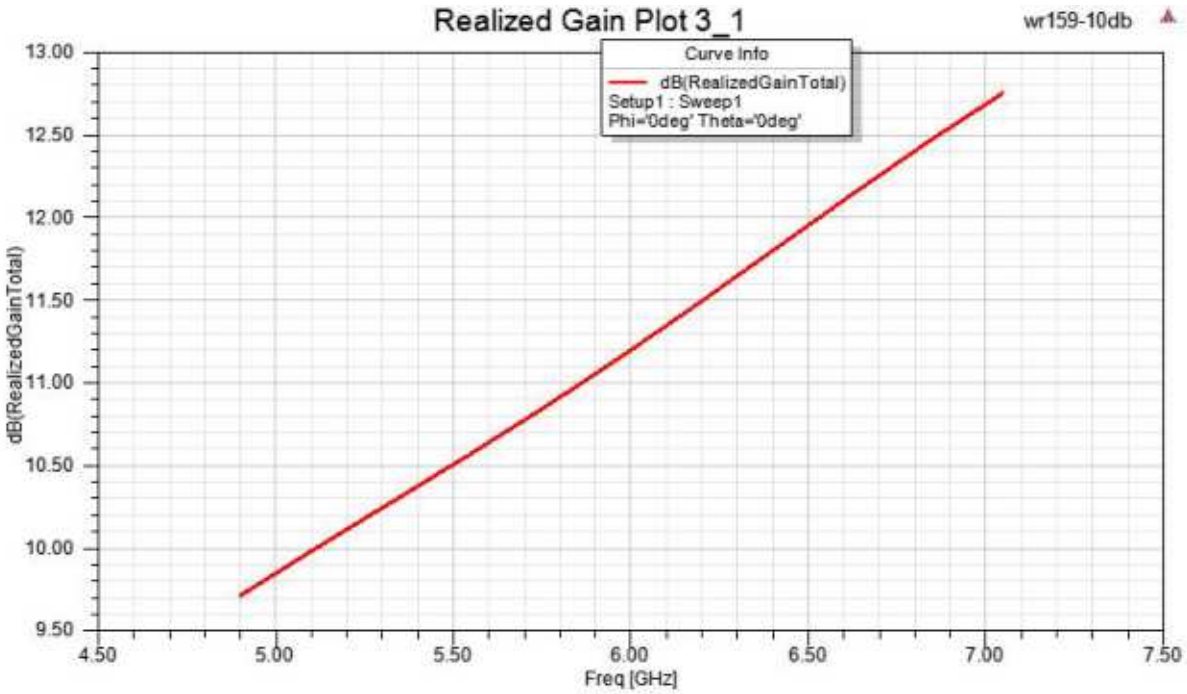
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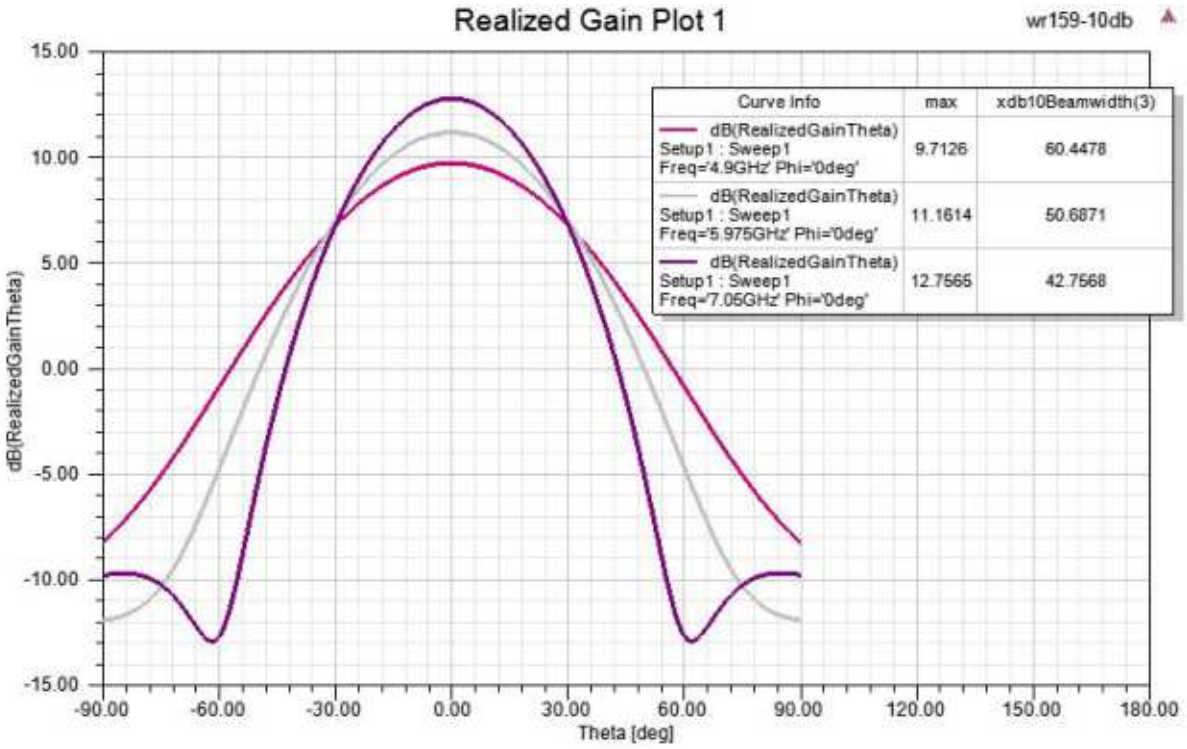
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WR-159 Standard Gain Horn Antenna Operating From 4.9 GHz to 7.05 GHz, 10 dBi Nominal Gain, ? Flange from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4%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

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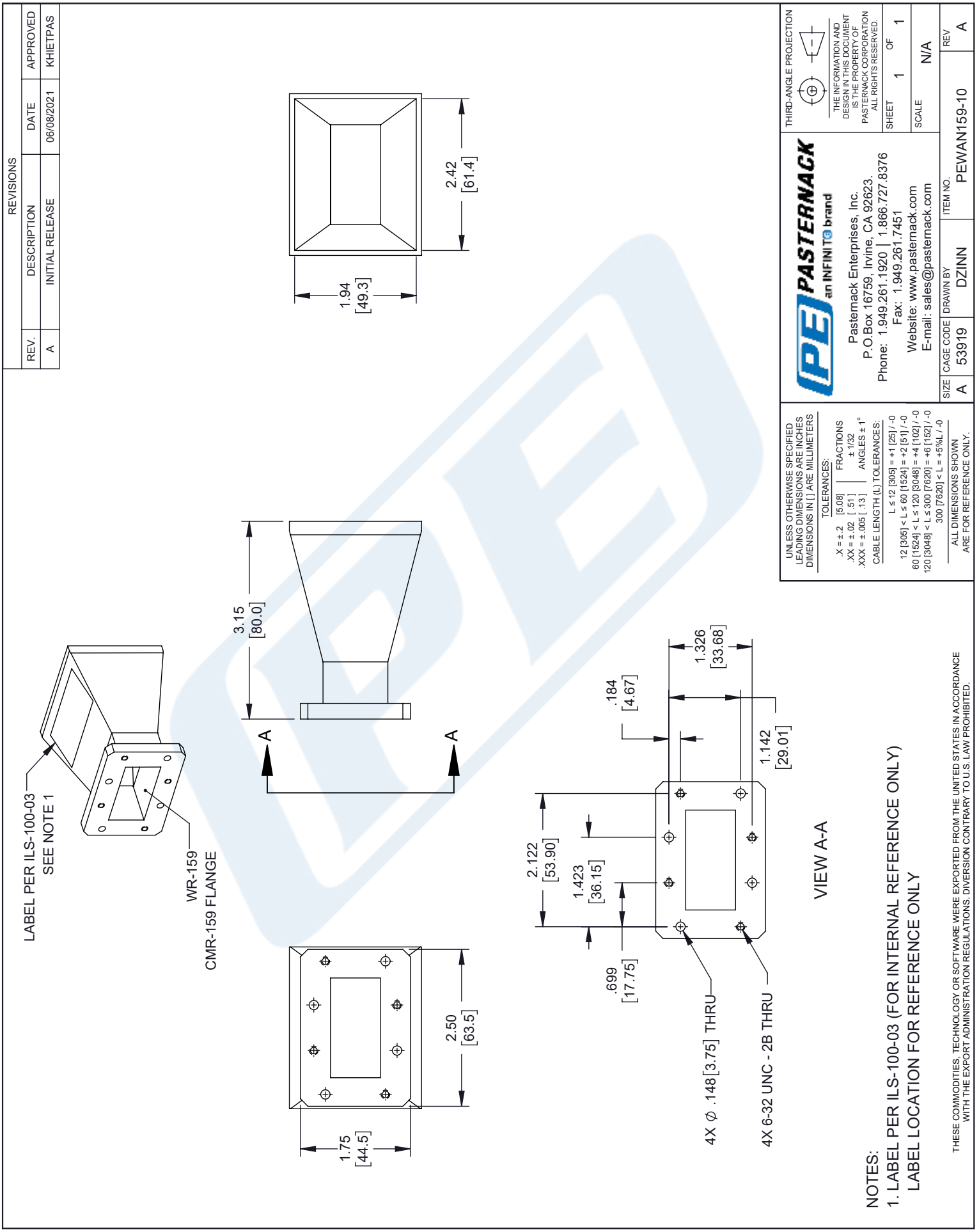
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PEWAN159-10 CAD Drawing

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