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WR-187 Standard Gain Horn Antenna Operating From 3.95 GHz to 5.85 GHz, 10 dBi Nominal Gain, CMR-187 Flange

Waveguide Antennas Technical Data Sheet PEWAN187-10

Features

- WR-187 Rectangular Waveguide Interface
- 3.95 GHz to 5.85 GHz
- 10 dBi Nominal Gain
- CMR-187 Cover Flange
- C Band

Applications

- Antenna Measurements
- Wireless Communication
- Laboratory Use
- Microwave Radio Systems

Description

The PEWAN187-10 C Band standard gain horn antenna (also known as waveguide horn) from Pasternack has a nominal gain of 10 dBi. This WR-187 standard gain horn has a CMR-187 type flange. The Pasternack 10 dBi WR-187 horn antenna operates from 3.95 GHz to 5.85 GHz. The WR-187 PEWAN187-10 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-187 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and rectangular input. Our WR-187 standard gain horn antennas can ship worldwide the same day as it is purchased as with our other available RF parts.

Configuration

Design	WR-187
Polarization	Linear

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	3.95		5.85	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	3.386 in [86 mm]
Width	2.845 in [72.26 mm]
Height	2.284 in [58.01 mm]
Weight	0.25 lbs [113.4 g]

Waveguide Interface

Waveguide Size	WR-187

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-187 Standard Gain Horn Antenna Operating From 3.95 GHz to 5.85 GHz, 10 dBi Nominal Gain, CMR-187 Flange PEWAN187-10

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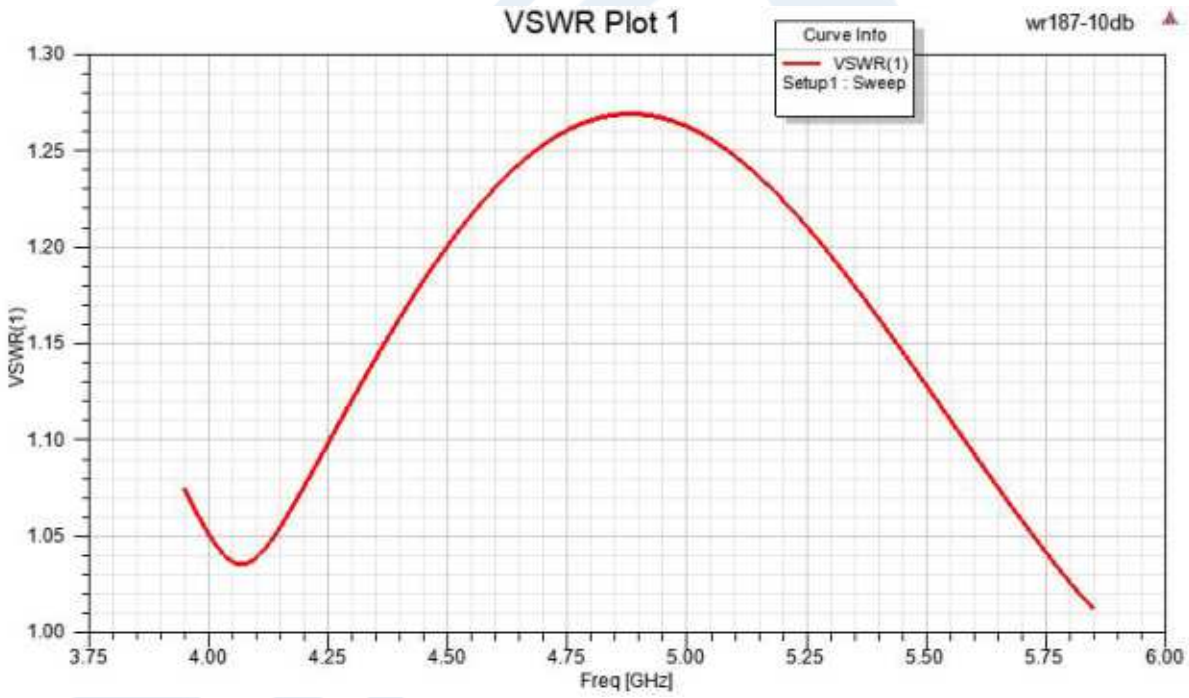
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Flange Type	CMR-187
Body Material and Plating	Aluminum, Gray

Compliance Certifications (see product page for current document)

Plotted and Other Data

Typical Performance Data



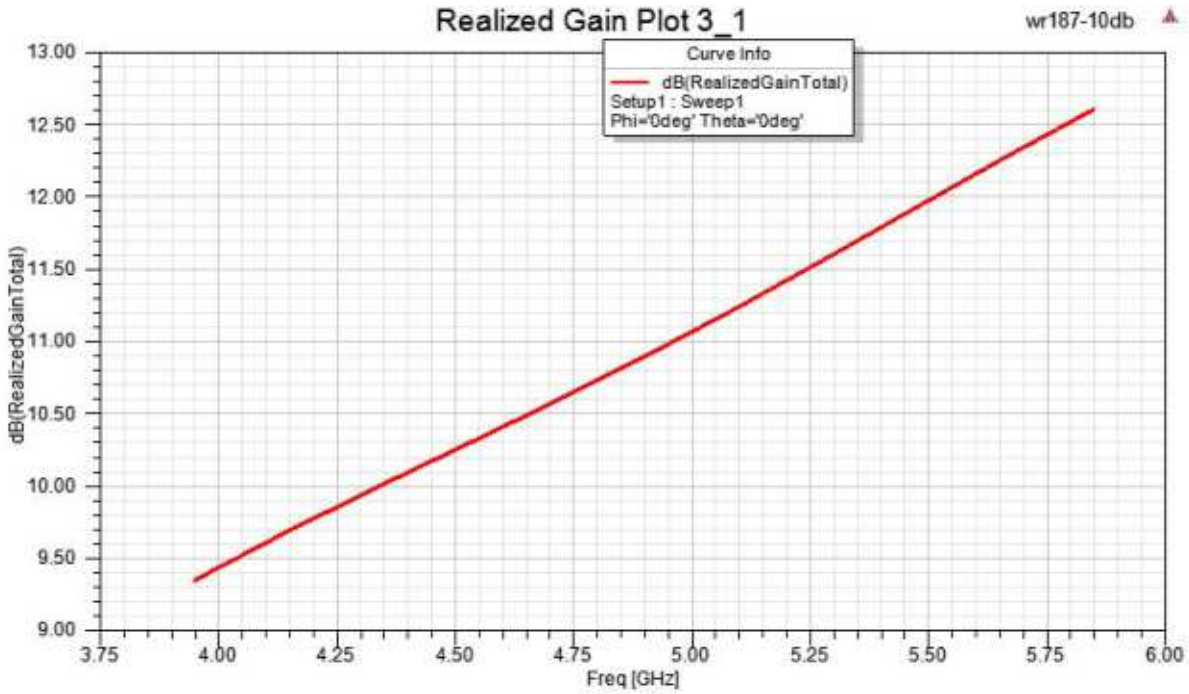
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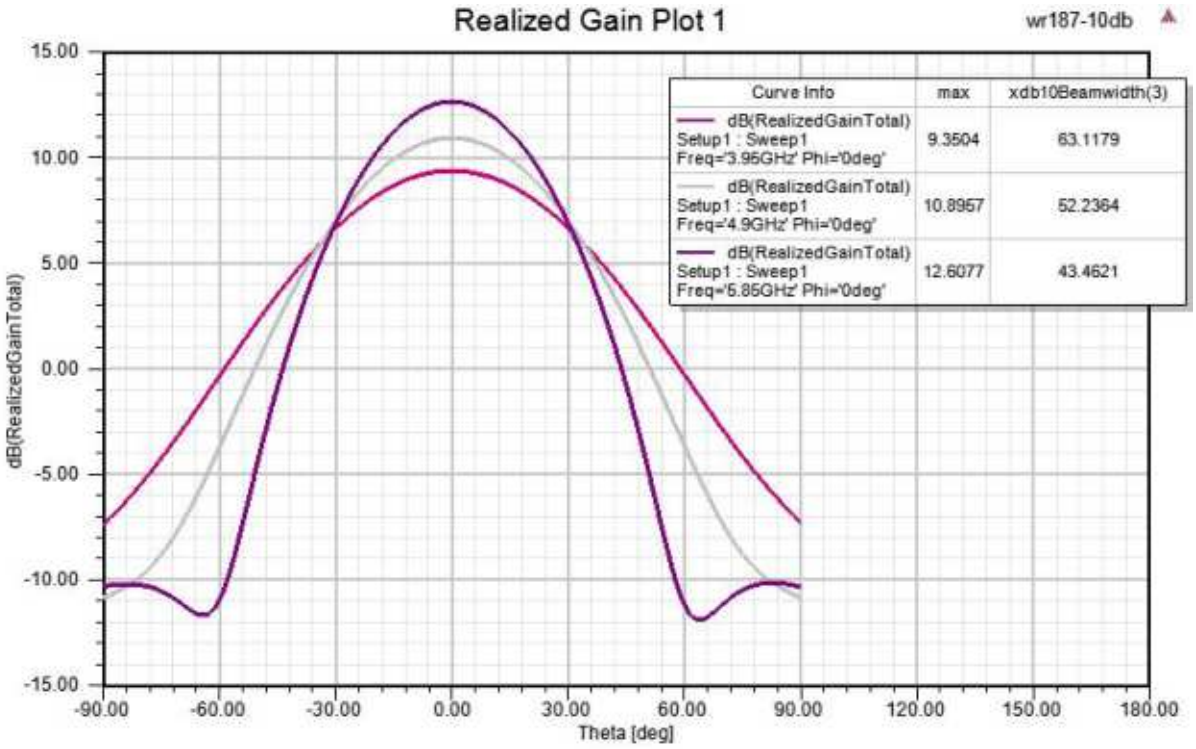
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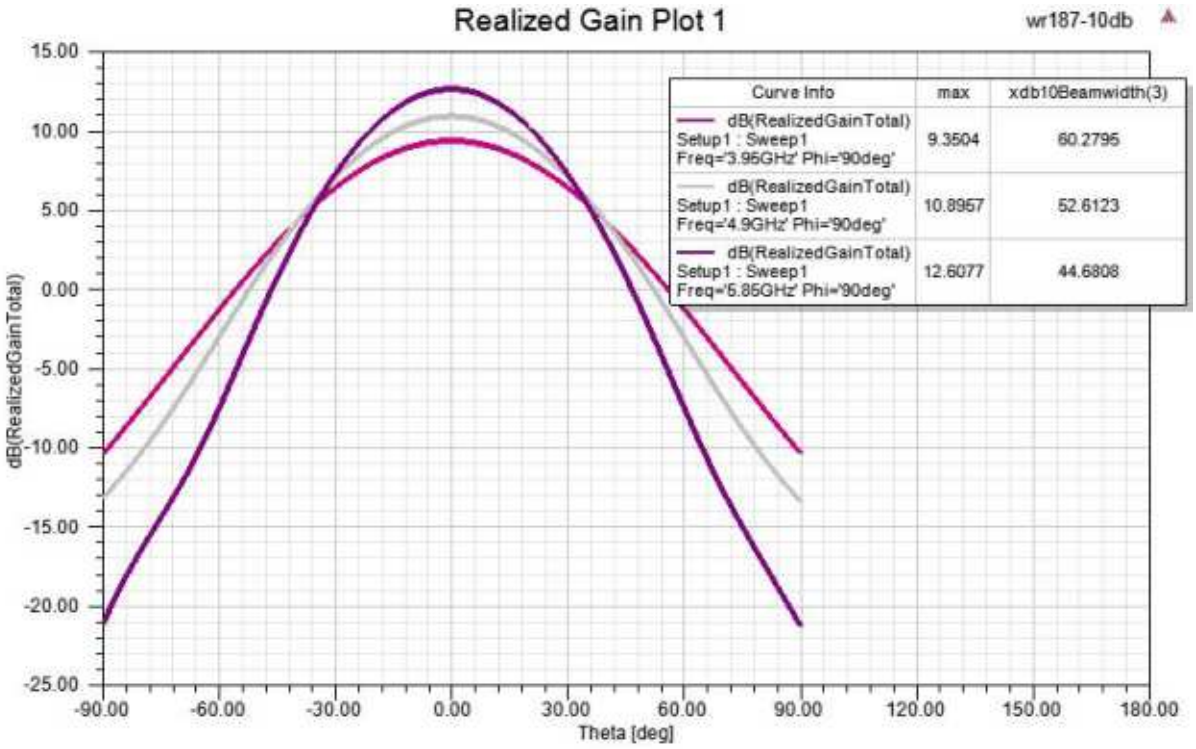
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WR-187 Standard Gain Horn Antenna Operating From 3.95 GHz to 5.85 GHz, 10 dBi Nominal Gain, CMR-187 Flange from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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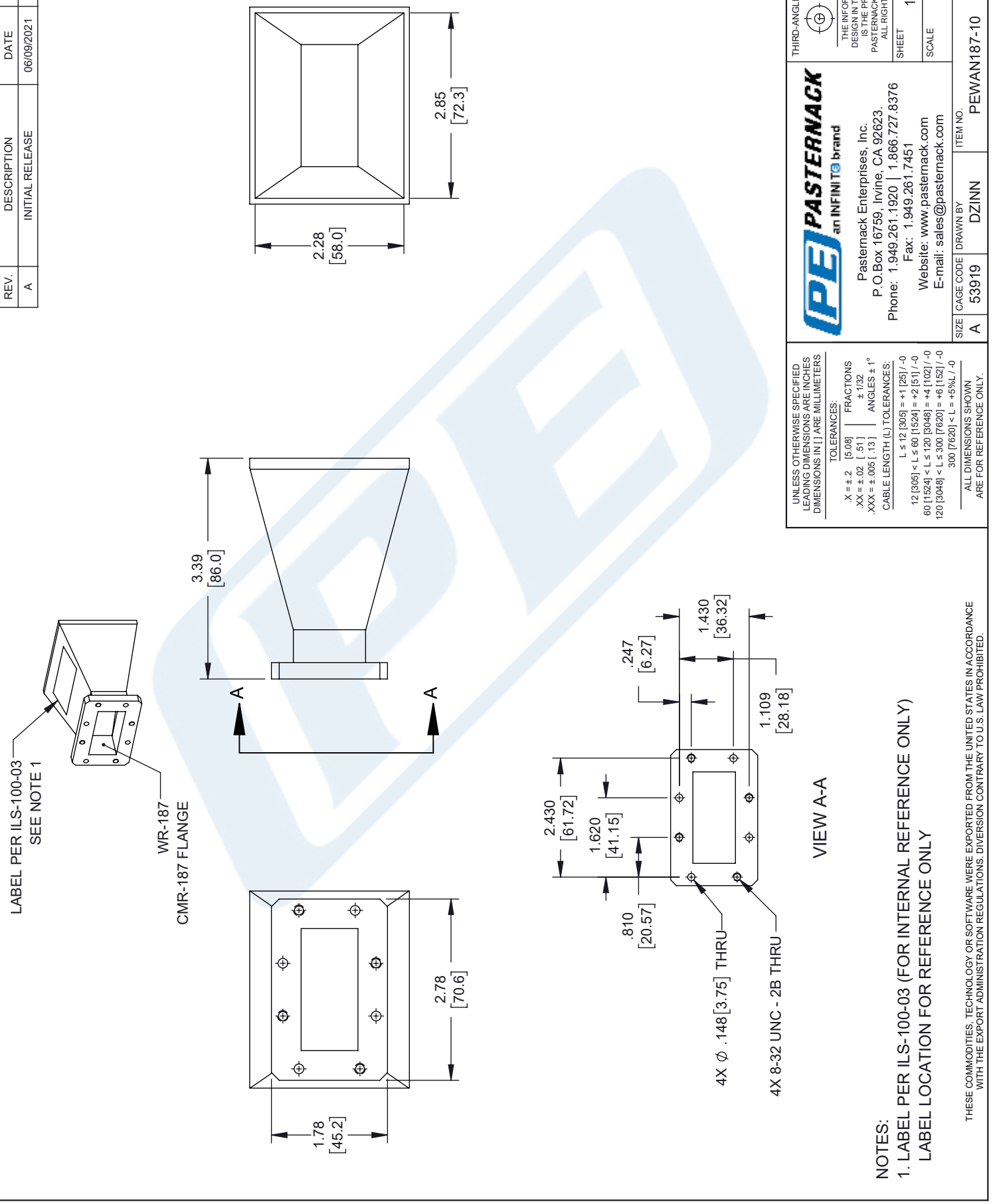
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PEWAN187-10 CAD Drawing

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