



Technical Data Sheet

PEWAN028-10KM

Features

- 26.5 GHz to 40 GHz
- WR-28 Waveguide Band
- Applications
 - Antenna Measurements
 - Wireless Communication
 - Laboratory Use

- Microwave Radio Systems
- · Radome Testing
- Automotive Antenna Test
- Solutions
- · Radar Cross Section
- · Satellite Antenna Testing

Description

The PEWAN028-10KM 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-28 to 2.92mm Male waveguide to coaxial adapter and operates from 26.5 GHz to 40 GHz.

Our PEWAN028-10KM 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 2.92mm Male to WR-28 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and connectorized input.

Waveguide antennas, such as the PEWAN028-10KM 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-28 waveguide antennas with 2.92mm Male interface is part of over 40,000 RF, microwave and millimeter wave components from Pasternack available worldwide and Ship same day.

Configuration

Design Coaxial Interface WR-28 Standard Gain Horn 2.92mm Male

· 10 dBi Nominal Gain

· 2.92mm Male Connector

Electrical Specifications

Minimum	Typical	Maximum	Units
26.5		40	GHz
	10		dBi
	52.1		Degrees
	51.6		Degrees
		1.29:1	
		26.5 10 52.1	26.5 40 10 52.1 51.6

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-28 Standard Gain Horn with 10 dBi gain, 2.92mm Male connector PEWAN028-10KM







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Mechanical Specifications

Size

Length 1.593 in [40.46 mm] Width 0.75 in [19.05 mm] 0.75 in [19.05 mm] Height Weight 0.041 lbs [18.6 g]

RF Connector

Type 2.92mm Male

Waveguide Interface

Waveguide Size WR-28

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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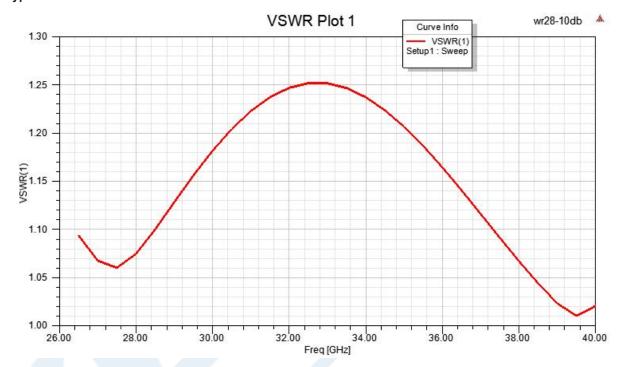




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Typical Performance Data



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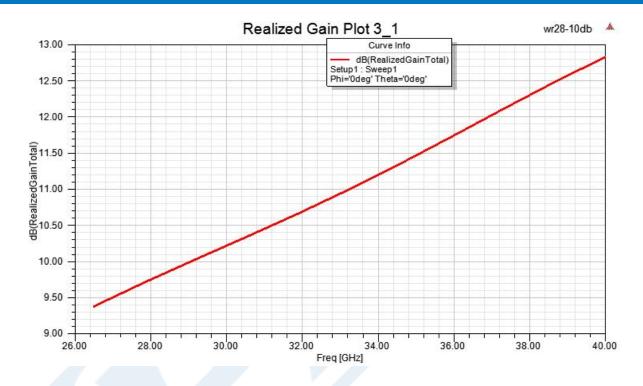






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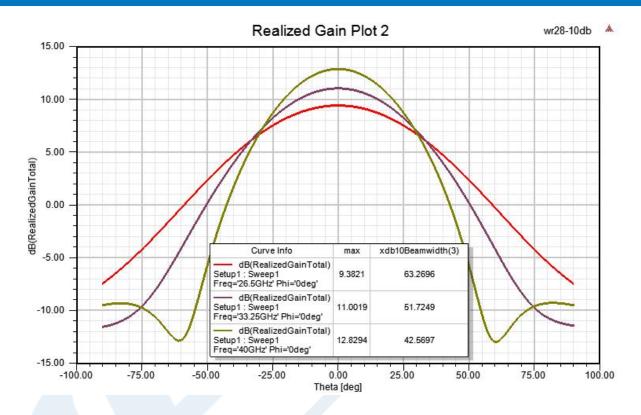






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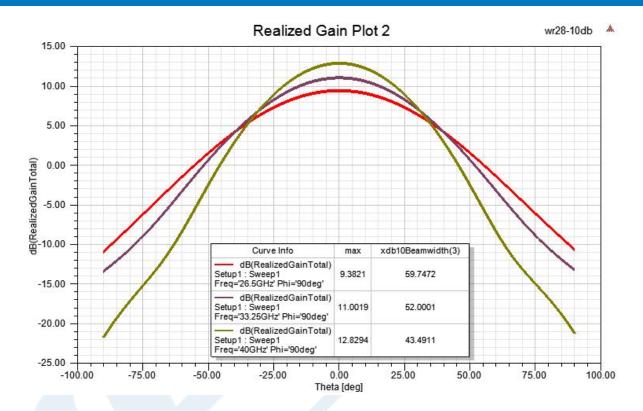






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WR-28 Standard Gain Horn with 10 dBi gain, 2.92mm Male connector from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL:

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.



PEWAN028-10KM CAD Drawing
WR-28 Standard Gain Horn with 10 dBi gain, 2.92mm Male connector

