



## **Technical Data Sheet**

## PEWAN028-10KF

#### **Features**

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

- · 10 dBi Nominal Gain
- · 2.92mm Female Connector
- Microwave Radio Systems · Radome Testing
- Automotive Antenna Test
- Solutions
- · Radar Cross Section

Satellite Antenna Testing

#### **Description**

The PEWAN028-10KF 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 Female waveguide to coaxial adapter and operates from 26.5 GHz to 40 GHz.

Our PEWAN028-10KF standard gain horn antenna has a nominal gain of 10 dBi with a Horizontal and Vertical HPBW (Half Power Beam Width) of 52.1 and 51.6 degrees respectively. Pasternack's 2.92mm Female 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 PEWAN028-10KF 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 Female 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 Female

#### **Electrical Specifications**

26.5		40	GHz
	10		dBi
	52.1		Degrees
	51.6		Degrees
		1.3:1	
		52.1	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 Female connector PEWAN028-10KF

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**Mechanical Specifications** 

Size

 Length
 1.403 in [35.64 mm]

 Width
 0.75 in [19.05 mm]

 Height
 0.75 in [19.05 mm]

 Weight
 0.338 lbs [153.31 g]

**RF Connector** 

Type 2.92mm Female

**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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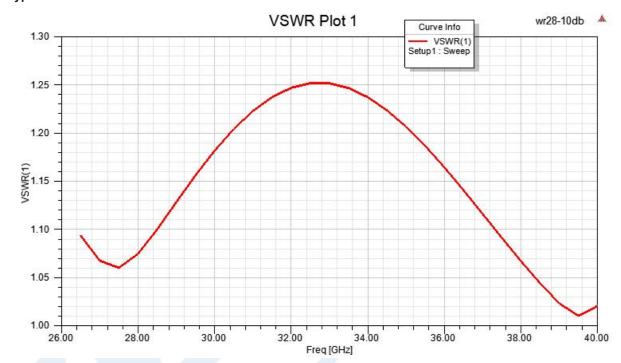




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#### **Typical Performance Data**



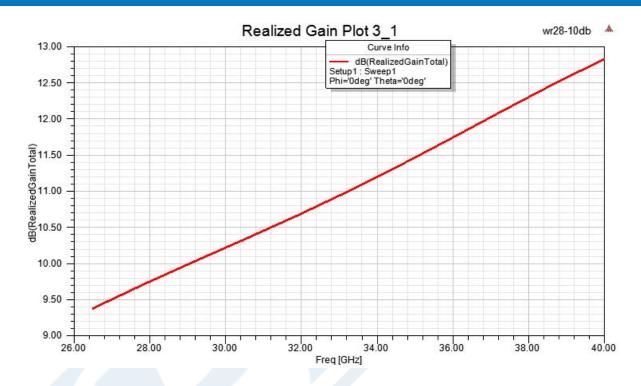
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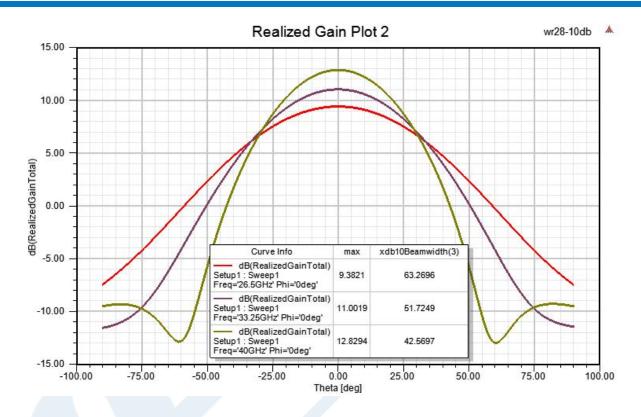
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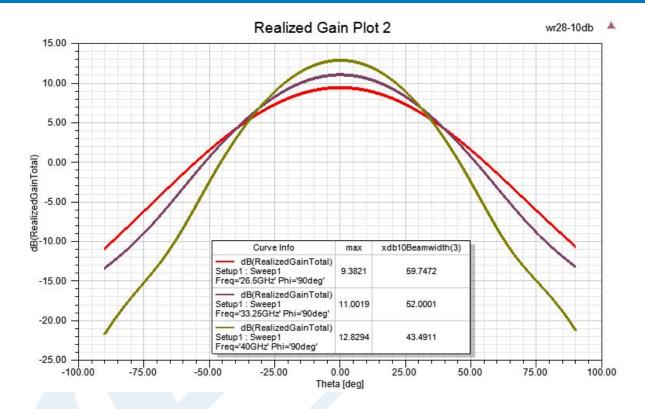
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#### PEWAN028-10KF



WR-28 Standard Gain Horn with 10 dBi gain, 2.92mm 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.

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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.

**PEWAN028-10KF CAD Drawing**WR-28 Standard Gain Horn with 10 dBi gain, 2.92mm Female connector

