

WR-34 Standard Gain Horn Antenna Operating from 22 GHz to 33 GHz, 10 dBi Nominal Gain, UG-1530/U Flange with L Mount



PE2WAN034-10KF

Features

- 22 GHz to 33 GHz
- WR-34 Waveguide Band
- 10 dBi Nominal Gain
- 2.92mm Female Connector
- Pre-Installed L Mount
- Integrates with Positioning Systems

Applications

- Antenna Measurements
- Wireless Communication
- Laboratory Use
- Microwave Radio Systems
- Radome Testing
- Automotive Antenna Test Solutions
- Radar Cross Section
- Satellite Antenna Testing

Description

The PE2WAN034-10KF standard gain horn antenna with pre-installed L mount (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-34 to 2.92mm female waveguide to coaxial adapter and operates from 22 GHz to 33 GHz.

Our PE2WAN034-10KF standard gain horn antenna with pre-installed L mount has a nominal gain of 10 dBi with a Horizontal and Vertical HPBW (Half Power Beam Width) of 52.10 and 51.60 degrees respectively. Pasternack's 2.92mm female to WR-34 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and connectorized input.

Waveguide antennas, such as the PE2WAN034-10KF 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-34 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	WR-34
Polarization	Linear
Coaxial Interface	2.92mm Female

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	22		33	GHz
Gain		10		dBi
Horizontal Half Power Beam Width		52.1		Degrees
Vertical Half Power Beam Width		51.6		Degrees
Waveguide to Coaxial Adapter				
VSWR		1.23:1		
Input Power (Peak)			20	Watts

Mechanical Specifications

Size	
Length	4.174 in [106.02 mm]
Width	3.15 in [80.01 mm]
Height	2.756 in [70 mm]

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Weight 0.8125 lbs [368.54 g]

RF Connector

Type 2.92mm Female
Body Material and Plating Stainless Steel

Waveguide Interface

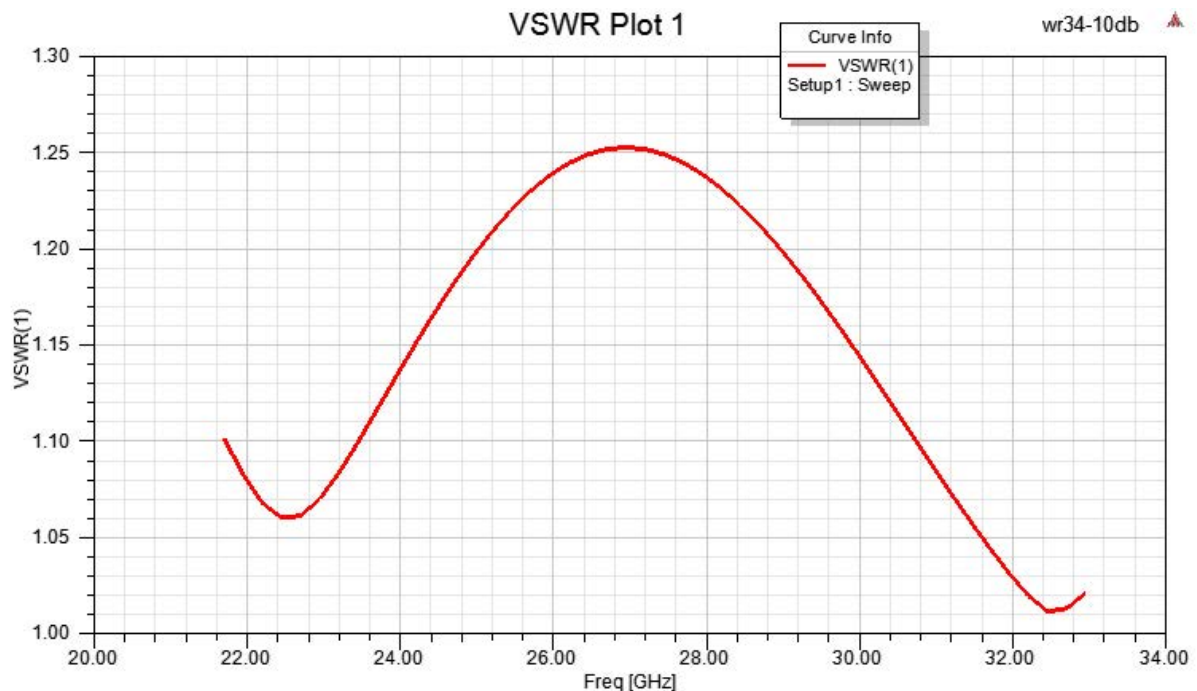
Waveguide Size WR-34
Body Material and Plating Aluminum

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

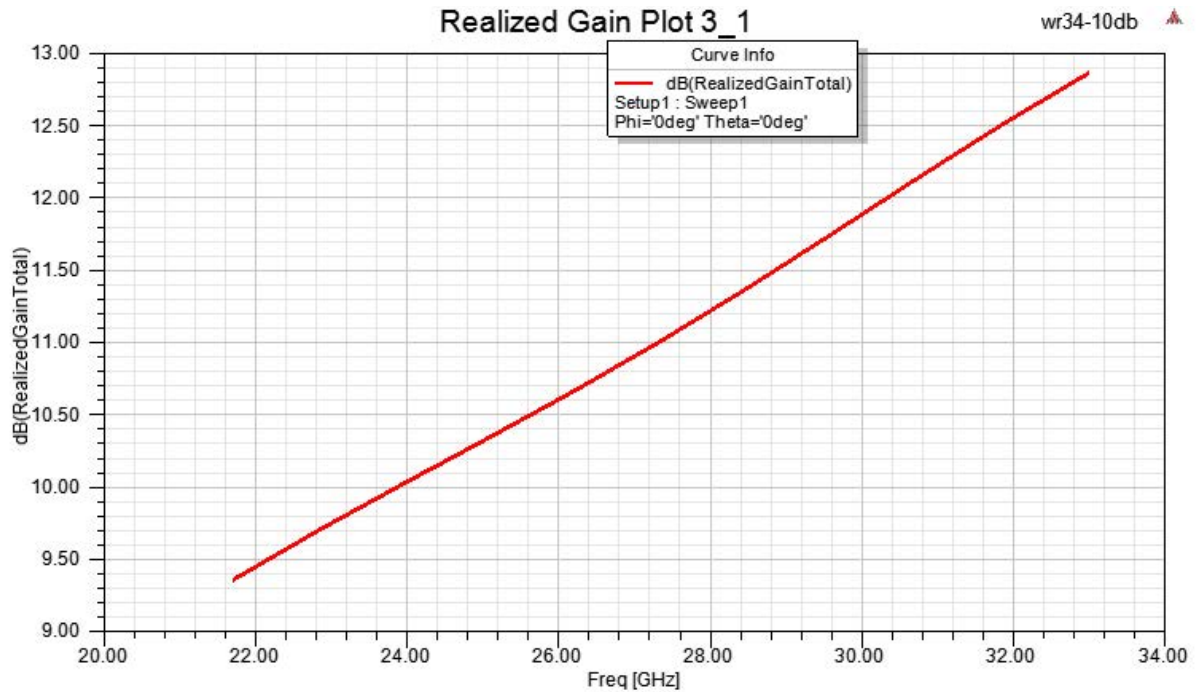
Typical Performance Data



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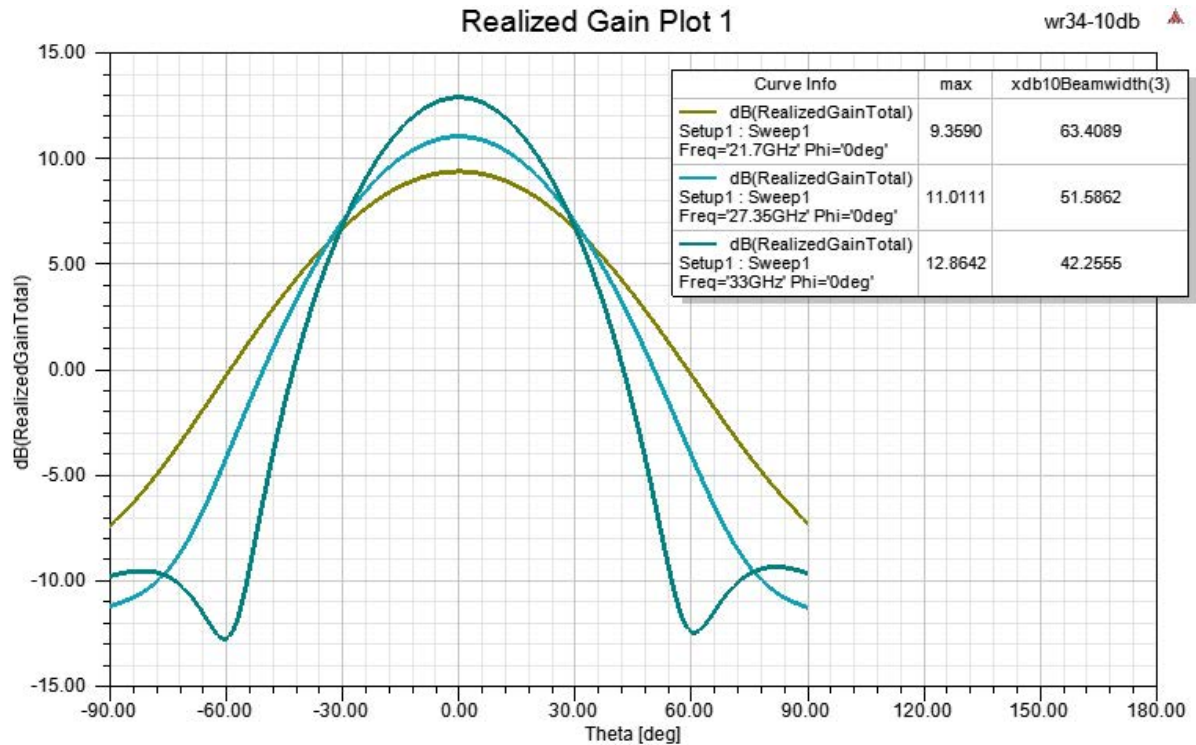
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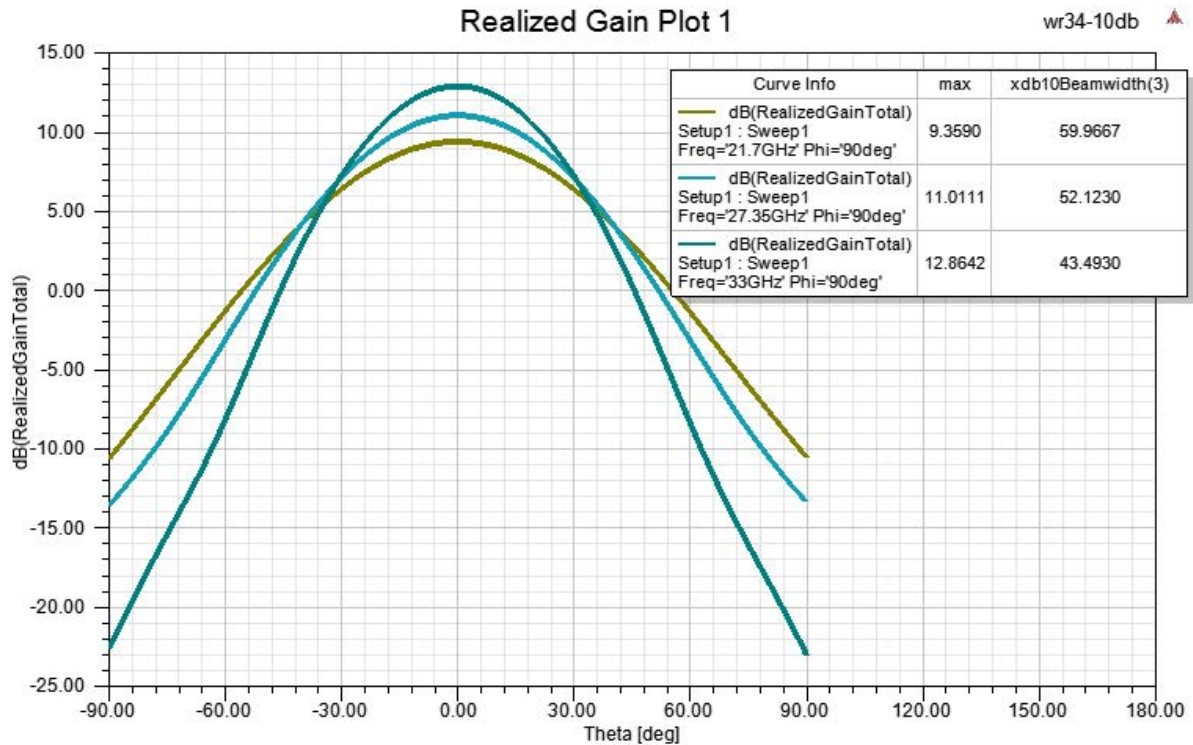
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WR-34 Standard Gain Horn Antenna Operating from 22 GHz to 33 GHz, 10 dBi Nominal Gain, UG-1530/U Flange with L Mount from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-34 Standard Gain Horn Antenna Operating from 22 GHz to 33 GHz, 10 dBi Nominal Gain, UG-1530/U Flange with L Mount PE2WAN034-10KF](#)

URL: <https://www.pasternack.com/wr-34-waveguide-standard-gain-horn-antenna-10-db-2.92mm-pe2wan034-10kf-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE2WAN034-10KF CAD Drawing

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