



WR-34 Standard Gain Horn Antenna Operating From 22 GHz to 33 GHz, 20 dBi Nominal Gain, UG-1530/U Flange

Waveguide Antennas Technical Data Sheet

PEWAN034-20

Features

- WR-34 Rectangular Waveguide Interface
- 22 GHz to 33 GHz
- 20 dBi Nominal Gain
- UG-1530/U Cover Flange
- K-Ka Band

Applications

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

Description

The PEWAN034-20 K-Ka Band standard gain horn antenna (also known as waveguide horn) from Pasternack has a nominal gain of 20 dBi. This WR-34 standard gain horn has a UG-1530/U type flange. The Pasternack 20 dBi WR-34 horn antenna operates from 22 GHz to 33 GHz. The WR-34 PEWAN034-20 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-34 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and rectangular input. Our WR-34 standard gain horn antennas can ship worldwide the same day as it is purchased as with our other available RF parts.

Configuration

Design	WR-34
Polarization	Linear

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	22		33	GHz
Nominal Gain		20		dB
Horizontal Half Power Beam Width		17.5		Degrees
Vertical Half Power Beam Width		17.3		Degrees
VSWR		1.3:1		

Mechanical Specifications

Size	
Length	3.661 in [92.99 mm]
Width	1.663 in [42.24 mm]
Height	1.234 in [31.34 mm]
Weight	0.1 lbs [45.36 g]

Waveguide Interface

Waveguide Size	WR-34
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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, 20 dBi Nominal Gain, UG-1530/U Flange PEWAN034-20](#)



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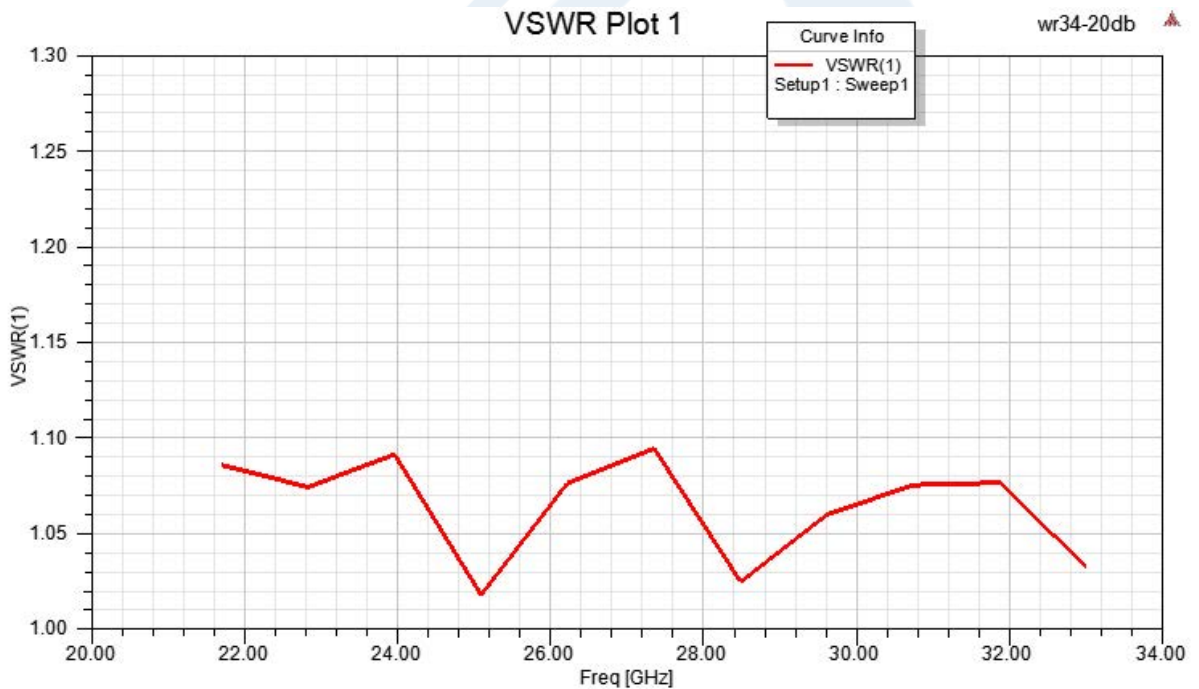
Flange Type
Flange Designation
Body Material and Plating

Square Cover
UG-1530/U
Aluminum, Gray

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

Plotted and Other Data

Typical Performance Data



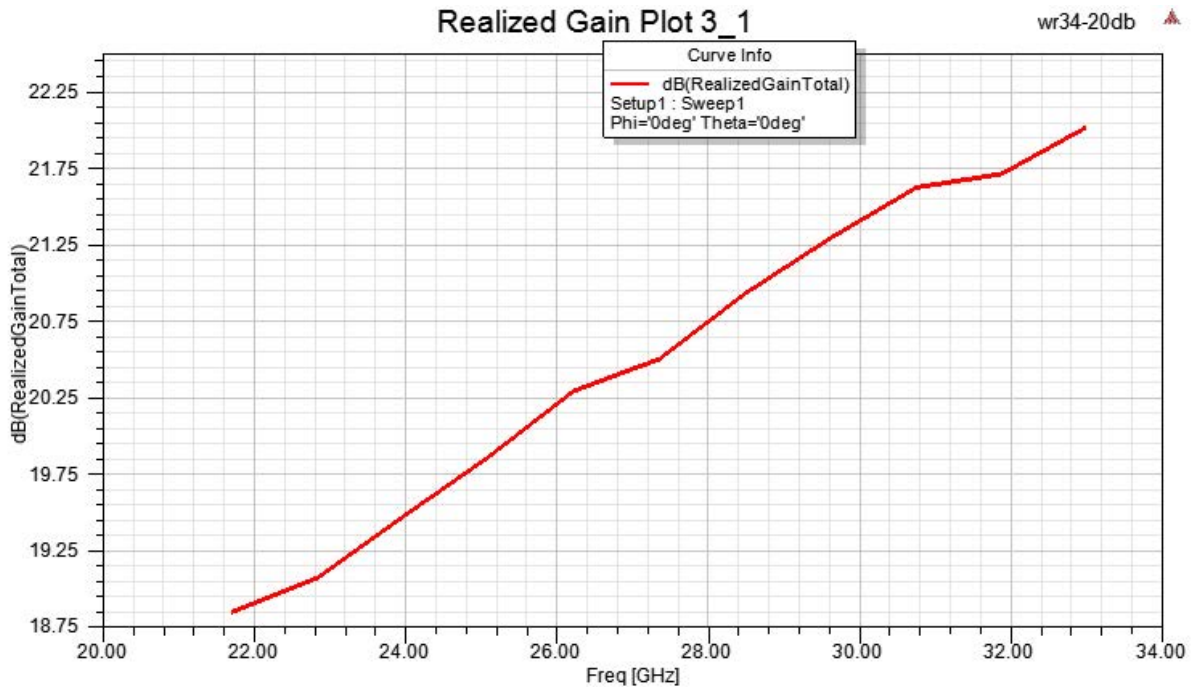
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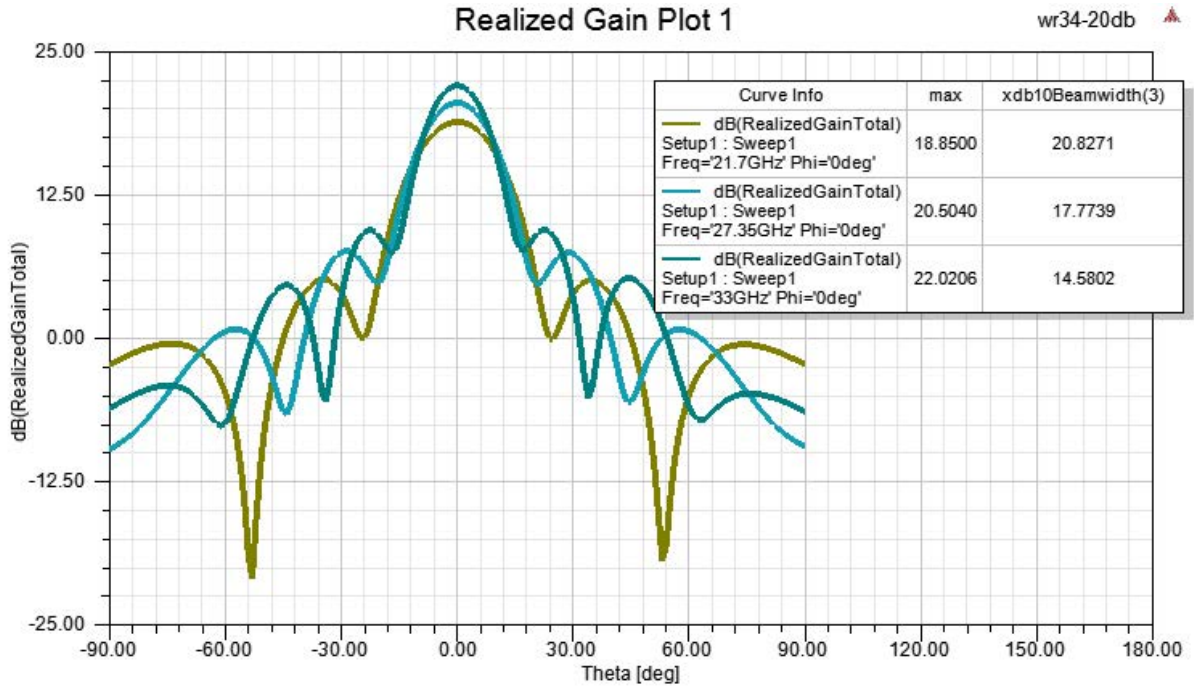
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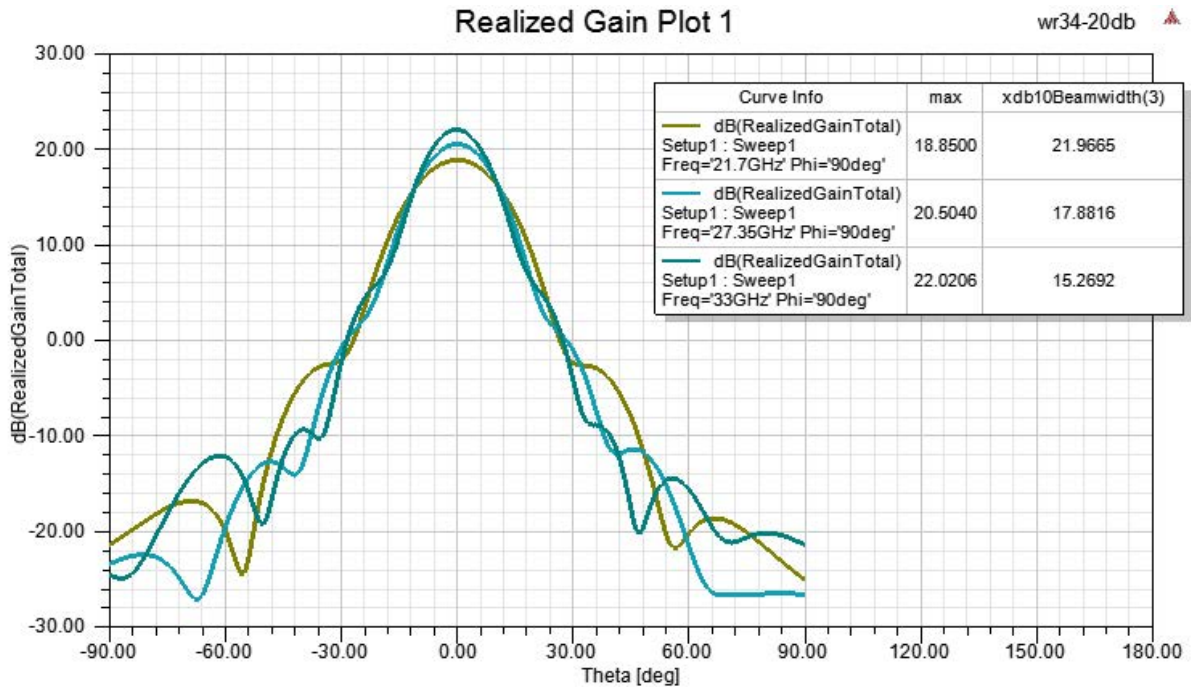
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WR-34 Standard Gain Horn Antenna Operating From 22 GHz to 33 GHz, 20 dBi Nominal Gain, UG-1530/U Flange from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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, 20 dBi Nominal Gain, UG-1530/U Flange PEWAN034-20](https://www.pasternack.com/wr-34-gain-horn-antenna-22-ghz-to-33-ghz-20-dbi-gain-ug-1530-u-pewan034-20-p.aspx)

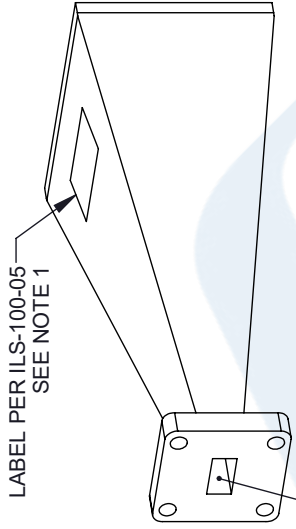
URL: <https://www.pasternack.com/wr-34-gain-horn-antenna-22-ghz-to-33-ghz-20-dbi-gain-ug-1530-u-pewan034-20-p.aspx>

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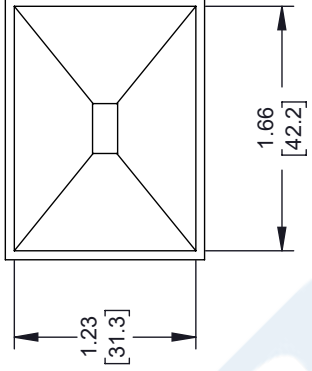
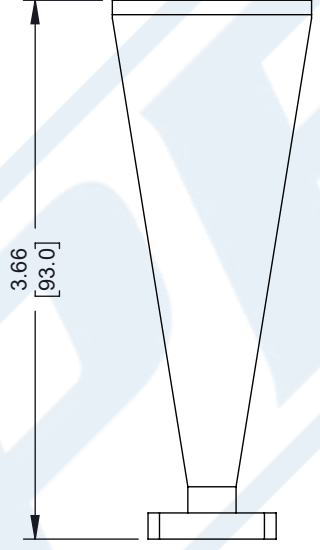
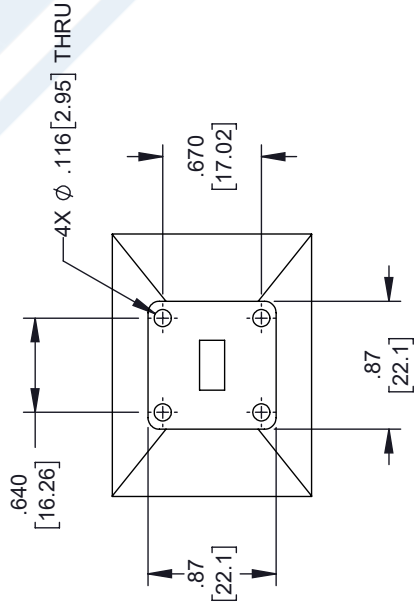
PEWAN034-20 CAD Drawing

WR-34 Standard Gain Horn Antenna Operating From 22 GHz to 33 GHz, 20 dBi Nominal Gain, UG-1530/U Flange

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	06/14/2021	KHIETPAS



WR-34
UG-1530/U FLANGE



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

.X = ±.2 [5.08] FRACTIONS
 .XX = ±.02 [.51] ±.1/32
 .XXX = ±.005 [.13] ANGLES ± 1°

CABLE LENGTH (L), TOLERANCES:
 L ≤ 12 [305] = +1 [25] / -0
 12 [305] < L ≤ 60 [1524] = +2 [51] / -0
 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
 300 [7620] < L = +5% / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

PEJ PASTERNAK
an INFINITI brand

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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	DZINN	PEWAN034-20

REV A

NOTES:
 1. LABEL PER ILS-100-05 (FOR INTERNAL REFERENCE ONLY)
 LABEL LOCATION FOR REFERENCE ONLY

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