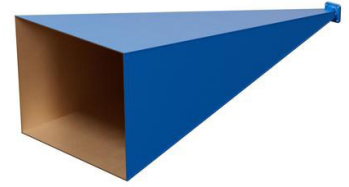


WR-62 Waveguide Standard Gain Horn Antenna Operating From 12.4 GHz to 18 GHz With a Nominal 30 dBi Gain With UG-1665/U Square Cover Flange



PE9854B-30

Features

- WR-62 Rectangular Waveguide Interface
- 12.4 GHz to 18 GHz
- 30 dBi Nominal Gain
- UG-1665/U Square Cover Flange

Applications

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

Description

Pasternack's PE9854B-30 WR-62 waveguide horn is also known as a waveguide horn antenna. This WR-62 standard gain horn waveguide antenna has a nominal gain of 30 dBi. Our waveguide horn can operate at frequencies ranging from 12.4 to 18 GHz. The standard gain horn antenna has a typical VSWR of 1.5:1 and is suitable for test and measurement industries. This 30 dBi waveguide horn from Pasternack has an overall length of 23.21 inches, a width of 9.57 inches, and a weight of 1 lbs. Our WR-62 waveguide horn antenna has a typical vertical beam width of 5 degrees and a horizontal beam width of 5 degrees at 3 dB.

Our antenna comes with a UG-1665/U square cover flange and is built to precise microwave and millimeter wave horn antenna design specifications. This WR-62 standard gain horn antenna has an aluminum body. Additional dimensions and specifications for this antenna are on our downloadable PDF datasheet.

This WR-62 waveguide horn antenna with 30 dBi gain is part of over one million RF, microwave, and millimeter wave components available from Pasternack. Our horn antenna can ship worldwide on the same business day as it is purchased with our other available RF parts. For further information on similar products, our expert technical support and knowledgeable sales team can help you get the ideal waveguide horn that meets your requirements.

Configuration

Design	WR-62 Standard Gain Horn
Pattern	Directional

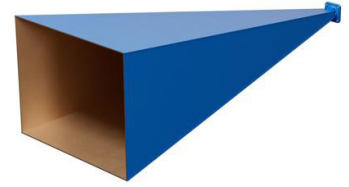
Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	12.4		18	GHz
Nominal Gain		30		dBi
Horizontal Half Power Beam Width		5		Degrees
Vertical Half Power Beam Width		5		
VSWR		1.5:1		

Mechanical Specifications

Size	
Length	23.21 in [589.53 mm]
Width	9.57 in [243.08 mm]
Height	7.27 in [184.66 mm]
Weight	1 lbs [453.59 g]

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PE9854B-30

Waveguide Interface

Waveguide Size

WR-62

Flange Type

Square Cover

Flange Designation

UG-1665/U

Body Material and Plating

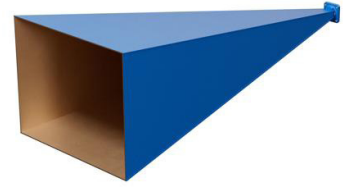
Aluminum, Paint

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

Plotted and Other Data

Notes:

WR-62 Waveguide Standard Gain Horn Antenna
Operating From 12.4 GHz to 18 GHz With a Nominal
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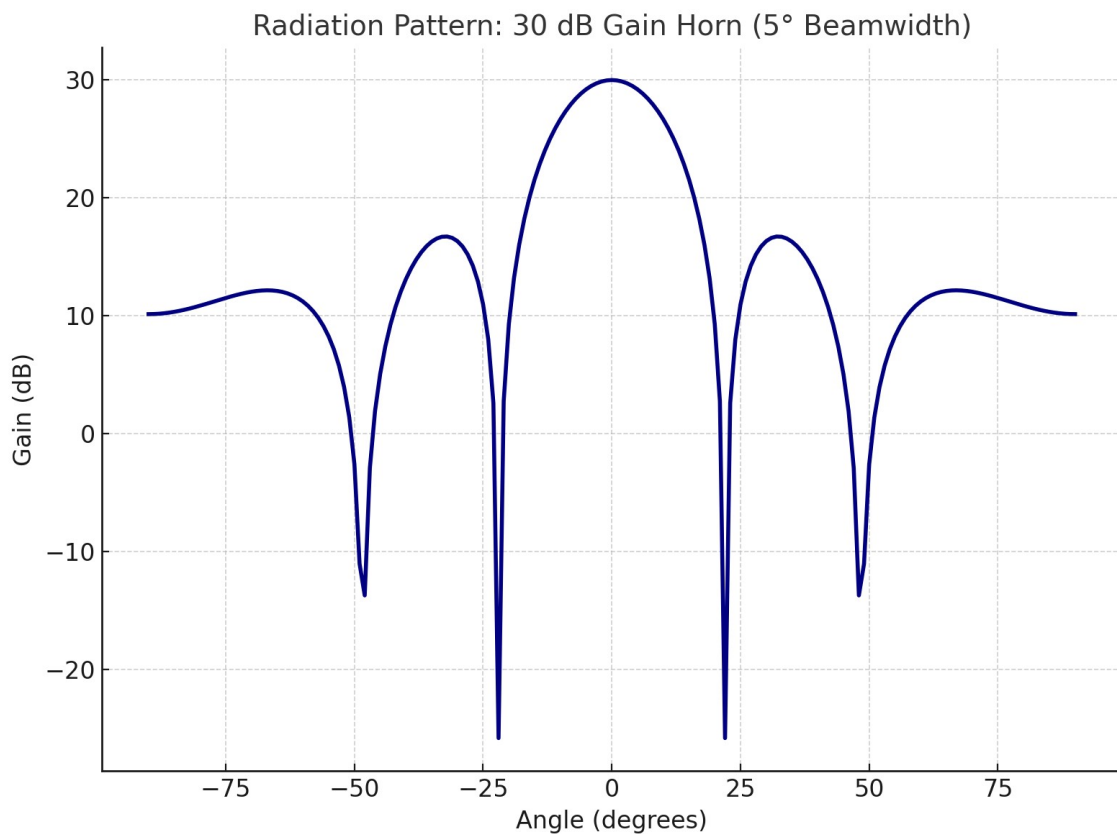


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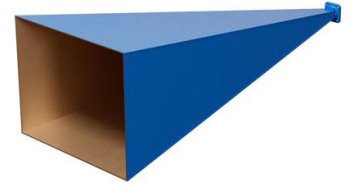
Typical Performance Data

30 dB STANDARD GAIN HORN

Typical Radiation Pattern



WR-62 Waveguide Standard Gain Horn Antenna Operating From 12.4 GHz to 18 GHz With a Nominal 30 dBi Gain With UG-1665/U Square Cover Flange



PE9854B-30

WR-62 Waveguide Standard Gain Horn Antenna Operating From 12.4 GHz to 18 GHz With a Nominal 30 dBi Gain With UG-1665/U Square Cover 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.

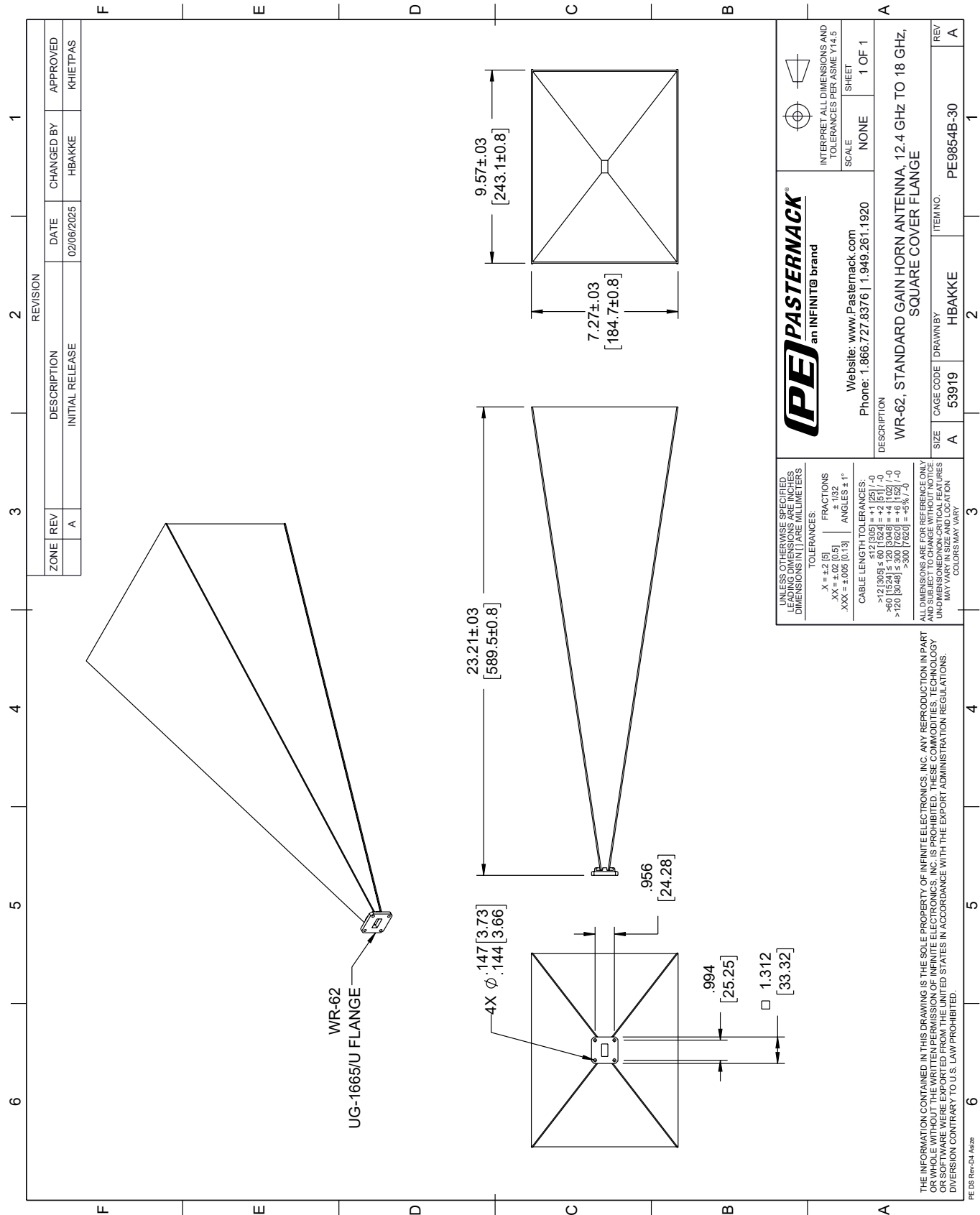
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-62 Waveguide Standard Gain Horn Antenna Operating From 12.4 GHz to 18 GHz With a Nominal 30 dBi Gain With UG-1665/U Square Cover Flange PE9854B-30](https://www.pasternack.com/wr-62-waveguide-gain-horn-antenna-30dbi-ug-1665-square-flange-pe9854b-30-p.aspx)

URL: <https://www.pasternack.com/wr-62-waveguide-gain-horn-antenna-30dbi-ug-1665-square-flange-pe9854b-30-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.

PE9854B-30 CAD Drawing

WR-62 Waveguide Standard Gain Horn Antenna Operating From 12.4 GHz to 18 GHz
With a Nominal 30 dBi Gain With UG-1665/U Square Cover Flange



REVISION			
ZONE	REV	DESCRIPTION	DATE
	A	INITIAL RELEASE	02/06/2025
		CHANGED BY	APPROVED
		HBAKKE	KHETTPAS

(PE) PASTERNAK® an INFINITO brand		Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920	INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS. TOLERANCES: .X = ±.2 [5] .XX = ±.02 [0.5] .XXX = ±.005 [0.13] FRACTIONS: ± 1/32 ANGLES: ± 1° CABLE LENGTH TOLERANCES: >12 [305] ≤ 60 [1524] = ±.1 [25] / -0 >60 [1524] ≤ 120 [3048] = ±.1 [25] / -0 >120 [3048] ≤ 300 [7620] = ±.1 [25] / -0 ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS OF INDIVIDUAL PARTS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.		DESCRIPTION WR-62, STANDARD GAIN HORN ANTENNA, 12.4 GHz TO 18 GHz, SQUARE COVER FLANGE	REV A
SIZE A	CAGE CODE 53919	DRAWN BY HBAKKE	ITEM NO. PE9854B-30

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PE 09 Rev-D4 Adda