



WR-62 Waveguide Standard Gain Horn Antenna
Operating from 12.4 GHz to 18 GHz with a Nominal
10 dBi Gain with Square Cover Flange

Waveguide Antennas Technical Data Sheet

PE9854-10

Features

- Rectangular Waveguide Interface
- 12.4 GHz to 18 GHz
- 10 dBi Nominal Gain
- Square Cover Flange

Applications

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

Description

Pasternack's PE9854-10 WR-62 waveguide standard gain horn antenna operating from 12.4 GHz to 18 GHz with a nominal 10 dBi gain is part of our full line of RF components available for same-day shipping. This Pasternack pyramidal horn antenna has a lightweight anodized aluminum body and a precision tolerance square cover flange. The PE9854-10 WR-62 waveguide standard gain horn antenna offers low gain variation across its operating frequency range, 55.3 degrees of vertical half power beam width and 50.9 degrees of horizontal half power beam width.

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 across a broad bandwidth. Pasternack's WR-62 standard gain horns are available in 10, 15 and 20 dB models with pyramidal shape and rectangular waveguide input.

Configuration

Design	WR-62 Standard Gain Horn
Pattern	Directional
Polarization	Linear

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	12.4		18	GHz
Nominal Gain		10		dBi
Horizontal Half Power Beam Width		50.9		Degrees
Vertical Half Power Beam Width		55.3		Degrees

Electrical Specification Notes:
Half power beam width is calculated by computer simulation.

Mechanical Specifications

Size	
Length	1 in [25.4 mm]
Width	1.313 in [33.35 mm]
Height	1.313 in [33.35 mm]
Weight	0.3385 lbs [153.54 g]

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 10 dBi Gain with Square Cover Flange PE9854-10](#)



WR-62 Waveguide Standard Gain Horn Antenna
Operating from 12.4 GHz to 18 GHz with a Nominal
10 dBi Gain with Square Cover Flange

Waveguide Antennas Technical Data Sheet

PE9854-10

Waveguide Interface

Waveguide Size
Flange Type
Body Material and Plating

WR-62
Square Cover
Anodized Aluminum, Paint

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

Plotted and Other Data

WR-62 Waveguide Standard Gain Horn Antenna Operating from 12.4 GHz to 18 GHz with a Nominal 10 dBi Gain with 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 10 dBi Gain with Square Cover Flange PE9854-10](#)

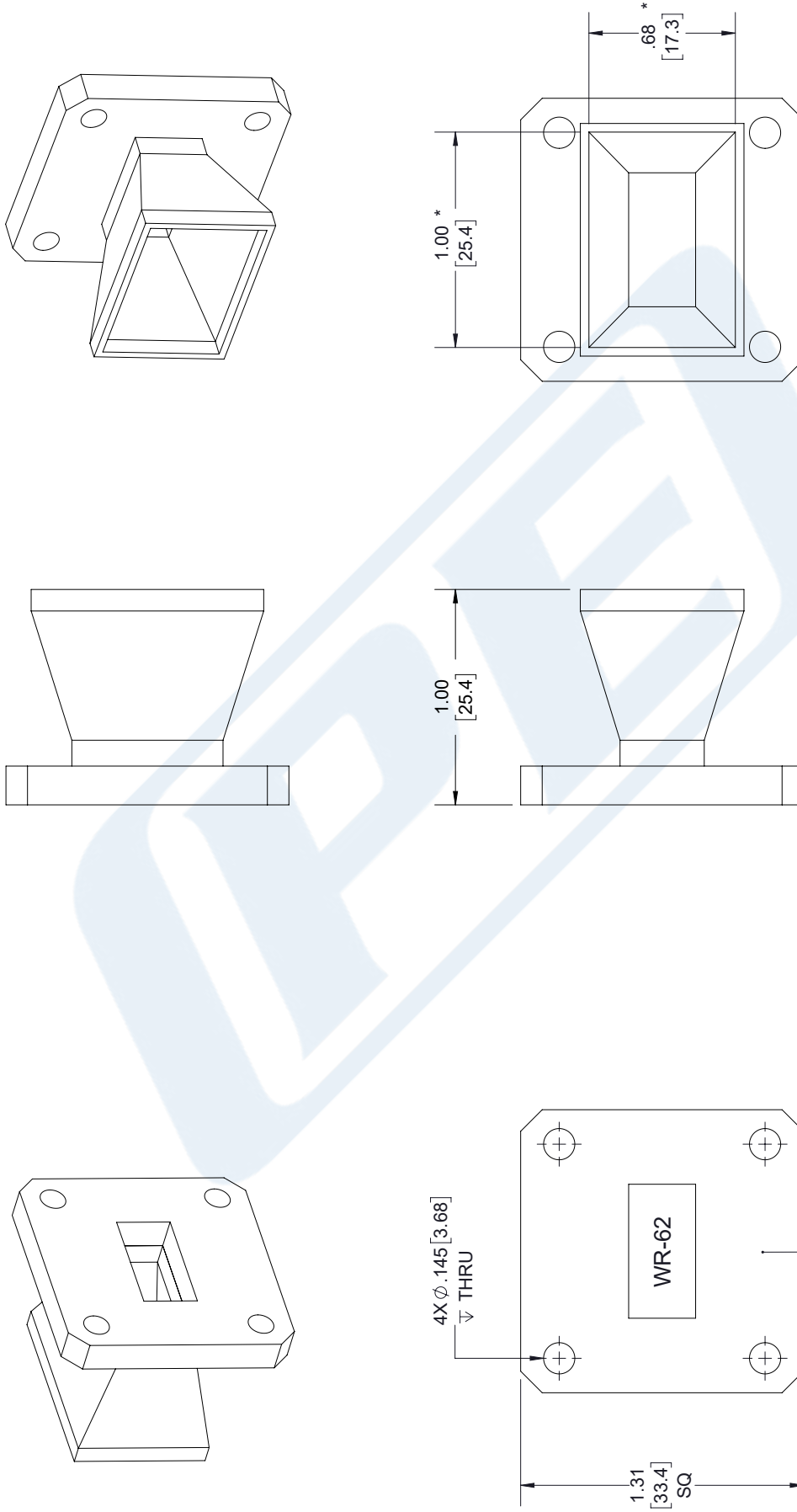
URL: <https://www.pasternack.com/standard-gain-horn-waveguide-size-wr62-pe9854-10-p.aspx>

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.

PE9854-10 CAD Drawing

WR-62 Waveguide Standard Gain Horn Antenna Operating from 12.4 GHz to 18 GHz with a Nominal 10 dBi Gain with Square Cover Flange

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1.3	PCR PE9854-10 20190705	07/16/19	J.GARCIA



* INSIDE DIMENSION

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
X±.2 [5.08]	±.132
.XX±.01 [.25]	±.13
.XXX±.005 [.13]	ANGLES ± 1°
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	
THIRD-ANGLE PROJECTION	

PE PASTERNAK an INFINITI brand	
Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 www.pasternack.com e-mail: sales@pasternack.com	
SIZE	PART NUMBER
A	PE9854-10
CAGE	REV
53919	1.3
DRAWN BY	
K.Dang	

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.