



WR-229 Standard Gain Horn Antenna Operating From 3.3 GHz to 4.9 GHz, 10 dBi Nominal Gain, CMR-229 Flange, ProLine

## Waveguide Antennas Technical Data Sheet

PE9862B-10

### Features

- WR-229 Rectangular Waveguide Interface
- 3.3 GHz to 4.9 GHz
- 10 dBi Nominal Gain
- CMR-229 Cover Flange

### Applications

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

### Description

The PE9862B-10 WR-229 Proline series standard gain horn antenna (also known as waveguide horn) from Pasternack has a nominal gain of 10 dBi. This WR-229 standard gain horn has a CMR-229 type flange. The Pasternack 10 dBi WR-229 horn antenna operates from 3.3 GHz to 4.9 GHz. The WR-229 PE9862B-10 waveguide horn is US made and TAA compliant. 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-229 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and rectangular input. Our WR-229 standard gain horn Proline antennas can ship worldwide the same day as it is purchased as with our other available RF parts.

### Configuration

|              |                           |
|--------------|---------------------------|
| Design       | WR-229 Standard Gain Horn |
| Pattern      | Directional               |
| Polarization | Linear                    |

### Electrical Specifications

| Description     | Minimum | Typical | Maximum | Units |
|-----------------|---------|---------|---------|-------|
| Frequency Range | 3.3     |         | 4.9     | GHz   |
| Nominal Gain    |         | 10      |         | dB    |
| VSWR            |         | 1.5:1   |         |       |

### Mechanical Specifications

|             |                    |
|-------------|--------------------|
| <b>Size</b> |                    |
| Length      | 6 in [152.4 mm]    |
| Width       | 3.44 in [87.38 mm] |
| Height      | 2.49 in [63.25 mm] |

#### Waveguide Interface

|                           |          |
|---------------------------|----------|
| Waveguide Size            | WR-229   |
| Flange Type               | CMR-229  |
| Body Material and Plating | Aluminum |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-229 Standard Gain Horn Antenna Operating From 3.3 GHz to 4.9 GHz, 10 dBi Nominal Gain, CMR-229 Flange, ProLine PE9862B-10](#)



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

### Plotted and Other Data

WR-229 Standard Gain Horn Antenna Operating From 3.3 GHz to 4.9 GHz, 10 dBi Nominal Gain, CMR-229 Flange, ProLine 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-229 Standard Gain Horn Antenna Operating From 3.3 GHz to 4.9 GHz, 10 dBi Nominal Gain, CMR-229 Flange, ProLine PE9862B-10](#)

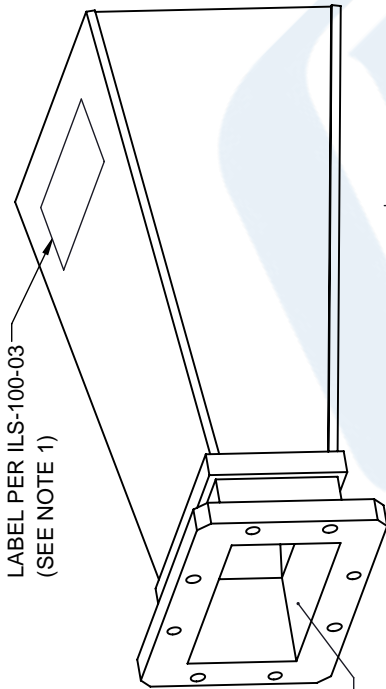
URL: <https://www.pasternack.com/wr-229-waveguide-gain-horn-antenna-10db-cmr-229-flange-pe9862b-10-p.aspx>

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.

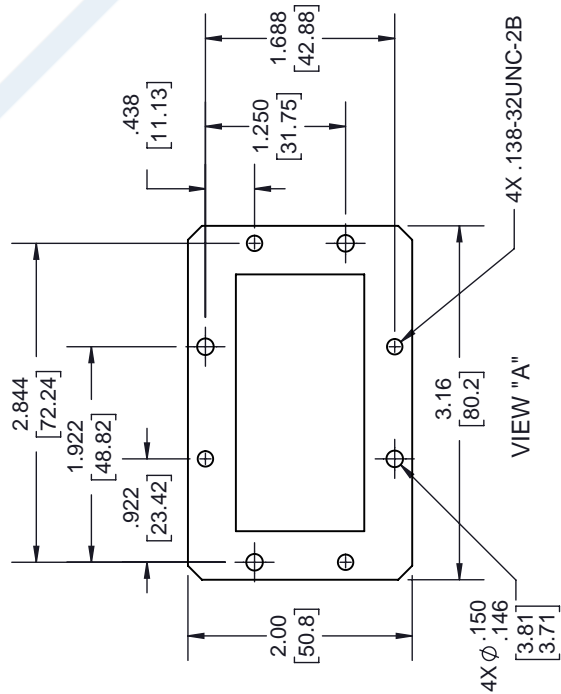
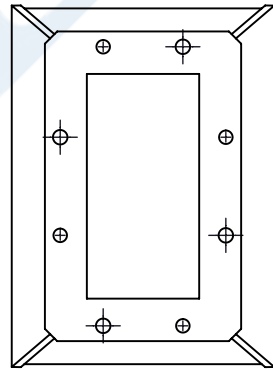
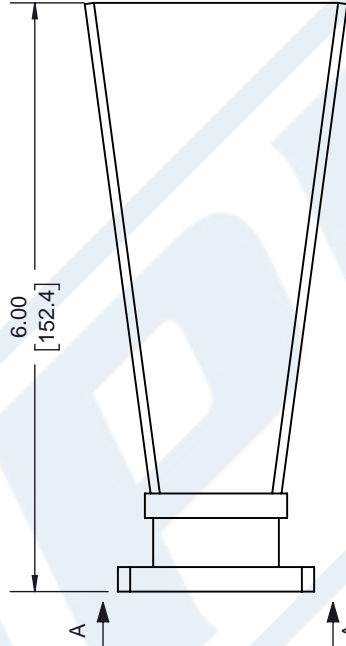
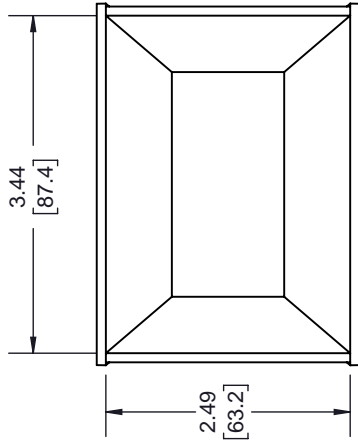
# PE9862B-10 CAD Drawing

WR-229 Standard Gain Horn Antenna Operating From 3.3 GHz to 4.9 GHz, 10 dBi Nominal Gain, CMR-229 Flange, ProLine

| REVISIONS |                 |            |          |
|-----------|-----------------|------------|----------|
| REV.      | DESCRIPTION     | DATE       | APPROVED |
| A         | INITIAL RELEASE | 05/20/2021 | KHIETPAS |



WR-229  
CMR-229 FLANGE



VIEW "A"

NOTES:

1. LABEL PER ILS-100-03 (FOR INTERNAL REFERENCE ONLY)  
LABEL LOCATION FOR REFERENCE ONLY

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| <p><b>PE PASTERNAK</b><br/>an INFINITE brand</p> <p>Pasternack Enterprises, Inc.<br/>P.O. Box 16759, Irvine, CA 92623.<br/>Phone: 1.949.261.1920   1.866.727.8376<br/>Fax: 1.949.261.7451<br/>Website: www.pasternack.com<br/>E-mail: sales@pasternack.com</p>  |  | <p>ITEM NO. PE9862B-10</p>           |  |
| <p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <p>.X = ±.2 [5.08] FRACTIONS<br/>.XX = ±.02 [.51] ± 1/32<br/>.XXX = ±.005 [.13] ANGLES ± 1°</p> <p>CABLE LENGTH (L) TOLERANCES:<br/>L ≤ 12 [305] = +1 [25] / -0<br/>12 [305] &lt; L ≤ 60 [1524] = +2 [51] / -0<br/>60 [1524] &lt; L ≤ 120 [3048] = +4 [102] / -0<br/>120 [3048] &lt; L ≤ 300 [7620] = +6 [152] / -0<br/>300 [7620] &lt; L = +5% / -0</p> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p> | <p>SIZE A</p> <p>CAGE CODE 53919</p> <p>DRAWN BY BPUCHASKI</p> | <p>REV A</p>                         |  |