



WR-22 to WR-28 Waveguide Transition 2 Inch Length, UG-383/U Round Cover Flange to UG-599/U Square Cover Flange

Waveguide Transitions Technical Data Sheet

PE-W22TS28001

Features

- WR-22 to WR-28 waveguide
- WR-22 waveguide UG-383/U flange
- WR-28 waveguide UG-599/U flange
- Gold plated finish
- Precision manufactured

Applications

- Radar Systems
- Military and Space
- Wireless Radio Systems
- Telecom Infrastructure
- Communication Systems
- R&D Labs
- Microwave Radio Systems

Description

The PE-W22TS28001 is part of Pasternack's family of Waveguide Transitions (also sometimes called waveguide adapters) used as a means of propagating RF/Microwave energy from one waveguide size to another. The PE-W22TS28001 allows the waveguide to change from a WR-22 waveguide (using a UG-383/U flange) to a WR-28 waveguide (using a UG-599/U flange.) The waveguide body has a plated gold finish.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|----------------|---------|---------|---------|-------|
| VSWR | | | 1.35:1 | |
| Insertion Loss | | 0.5 | | dB |

Mechanical Specifications

Size

Length

2 in [50.8 mm]

Weight

0.172 lbs [78.02 g]

| Description | Flange 1 | Waveguide | Flange 2 |
|-----------------------|-------------|----------------|--------------|
| Designation | UG-383/U | WR-22 to WR-28 | UG-599/U |
| Flange Type | Round Cover | | Square Cover |
| Material | Brass | Brass | Brass |
| Plating | Gold | Gold | Gold |
| Plating Specification | ASTMB488 | ASTMB488 | ASTMB488 |
| Finish | Gold | Gold | Gold |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-22 to WR-28 Waveguide Transition 2 Inch Length, UG-383/U Round Cover Flange to UG-599/U Square Cover Flange PE-W22TS28001](#)



WR-22 to WR-28 Waveguide Transition 2 Inch Length, UG-383/U Round Cover Flange to UG-599/U Square Cover Flange

Waveguide Transitions Technical Data Sheet

PE-W22TS28001

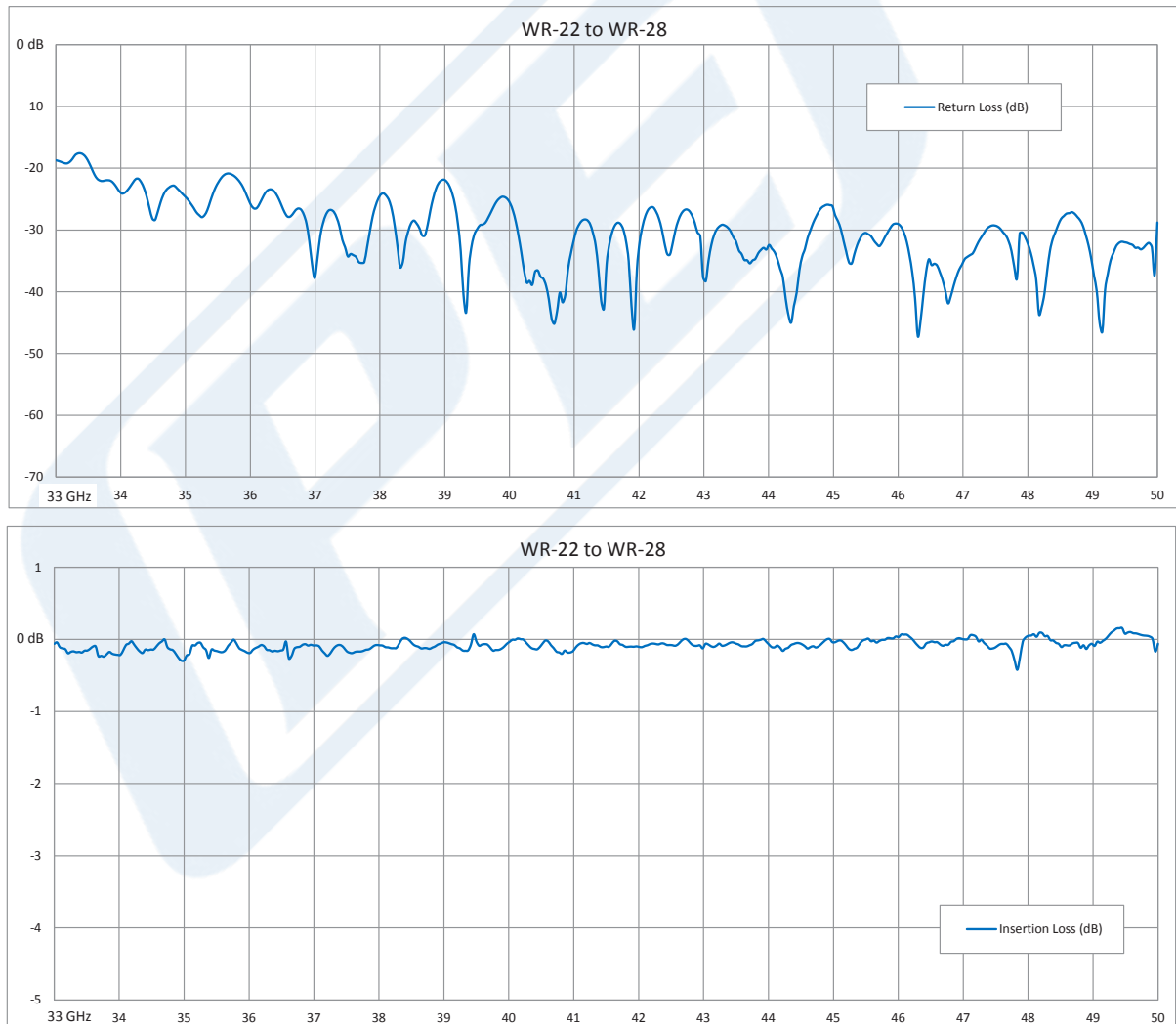
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

- Typical VSWR/Return Loss data taken with load.
- Typical insertion loss data taken for two parts in series. The WR-28 flanges are connected together and the WR-22 flanges are connected to the test equipment.

Typical Performance Data



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-22 to WR-28 Waveguide Transition 2 Inch Length, UG-383/U Round Cover Flange to UG-599/U Square Cover Flange PE-W22TS28001](#)



WR-22 to WR-28 Waveguide Transition 2 Inch Length, UG-383/U Round Cover Flange to UG-599/U Square Cover Flange

Waveguide Transitions Technical Data Sheet

PE-W22TS28001

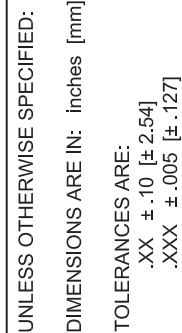
WR-22 to WR-28 Waveguide Transition 2 Inch Length, UG-383/U Round Cover Flange to UG-599/U Square Cover Flange from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest 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-22 to WR-28 Waveguide Transition 2 Inch Length, UG-383/U Round Cover Flange to UG-599/U Square Cover Flange PE-W22TS28001](https://www.pasternack.com/wr22-wr28-waveguide-transition-ug383-round-cover-ug599-pe-w22ts28001-p.aspx)

URL: <https://www.pasternack.com/wr22-wr28-waveguide-transition-ug383-round-cover-ug599-pe-w22ts28001-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.

WR-22 to WR-28 Waveguide Transition 2 Inch Length, UG-383/U
Round Cover Flange to UG-599/U Square Cover Flange



PARNER
THE ENGINEER'S RF SOURCE

Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | **Fax:** (949) 261-7451
Website: www.pasternack.com | **E-Mail:** sales@pasternack.com

DWG TITLE

PE-W22TS28001

NOTES:

1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

FSCM NO. 53919

CAD FILE 020216

SIZE A

2233