



## WR-75 to WR-62 Waveguide Transition 3 Inch Length, Square Cover Flange to UG-1665/U Square Cover Flange

### Waveguide Transitions Technical Data Sheet

**PEWTS1006**

#### Features

- Transitions from WR-75 to WR-62 waveguide
- WR-75 waveguide Square Cover flange
- WR-62 waveguide UG-1665/U flange
- Painted finish

#### Applications

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

#### Description

The PEWTS1006 is part of Pasternack's Waveguide Transitions (also sometimes called waveguide adapters) used as a means of propagating RF/Microwave energy from one waveguide size to another. The PEWTS1006 allows the waveguide to change from a WR-75 waveguide (using a Square Cover flange) to a WR-62 waveguide (using a UG-1665/U flange).

#### Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------|---------|---------|---------|-------|
| VSWR        |         | 1.08:1  |         |       |

#### Mechanical Specifications

|        |                     |
|--------|---------------------|
| Size   |                     |
| Length | 3 in [76.2 mm]      |
| Weight | 0.42 lbs [190.51 g] |

| Description | Flange 1     | Waveguide      | Flange 2     |
|-------------|--------------|----------------|--------------|
| Designation | None         | WR-75 to WR-62 | UG-1665/U    |
| Flange Type | Square Cover |                | Square Cover |
| Material    | Brass        | Brass          | Brass        |

#### Compliance Certifications (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

|                 |            |
|-----------------|------------|
| RoHS Compliant  |            |
| REACH Compliant | 12/17/2015 |

#### Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-75 to WR-62 Waveguide Transition 3 Inch Length, Square Cover Flange to UG-1665/U Square Cover Flange PEWTS1006](#)

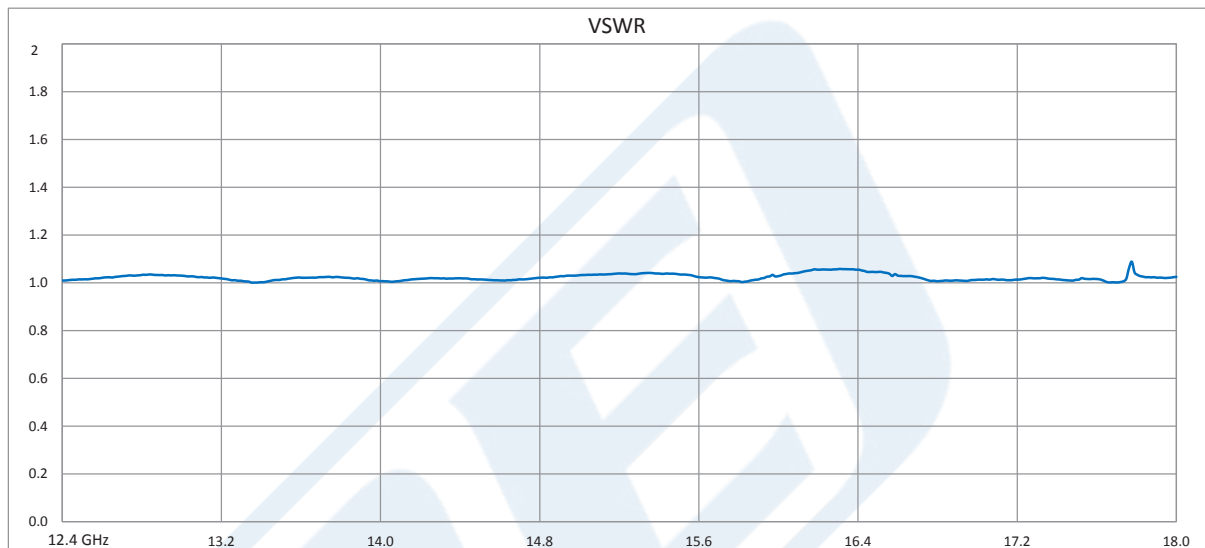


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#### Typical Performance Data



WR-75 to WR-62 Waveguide Transition 3 Inch Length, Square Cover Flange to 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% availability and are part of the broadest selection in the industry.

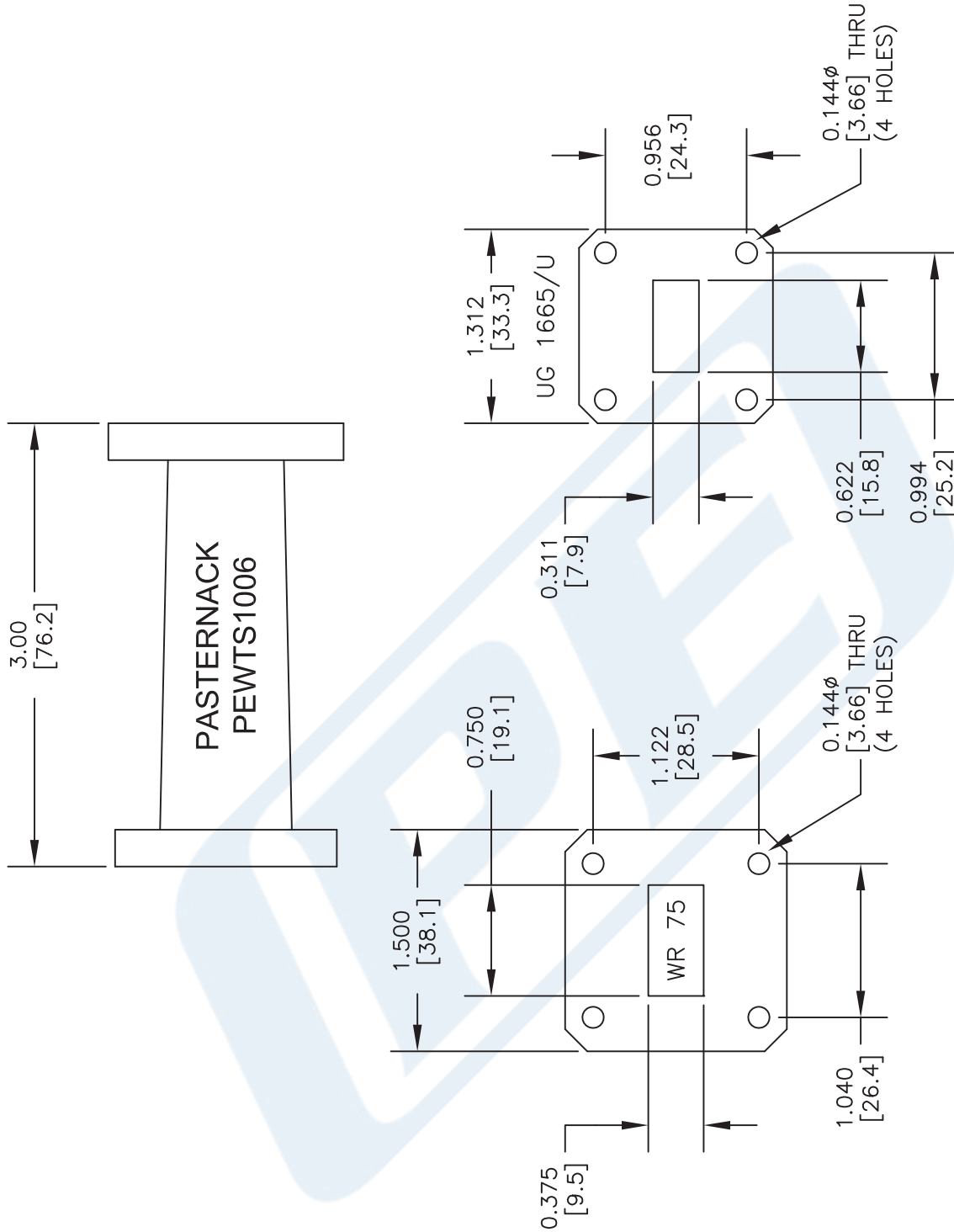
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-75 to WR-62 Waveguide Transition 3 Inch Length, Square Cover Flange to UG-1665/U Square Cover Flange PEWTS1006](http://www.pasternack.com/wr75-wr62-waveguide-transition-square-ug1665-square-pewts1006-p.aspx)

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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.

# PEWTS1006 CAD Drawing

WR-75 to WR-62 Waveguide Transition 3 Inch Length, Square  
Cover Flange to UG-1665/U Square Cover Flange



## STANDARD TOLERANCES

.X ±0.2  
.XX ±0.1  
.XXX ±0.05

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

**PEWTS1006**

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

010616

SCALE N/A

SIZE A

2233