



WR-112 to WR-90 Waveguide Transition 3 Inch Length, UG-51/U Square Cover Flange to UG-39/U Square Cover Flange

Waveguide Transitions Technical Data Sheet

PEWTS1002

Features

- Transitions from WR-112 to WR-90 waveguide
- WR-112 waveguide UG-51/U flange
- WR-90 waveguide UG-39/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 PEWTS1002 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 PEWTS1002 allows the waveguide to change from a WR-112 waveguide (using a UG-51/U flange) to a WR-90 waveguide (using a UG-39/U flange).

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
VSWR		1.08:1		

Mechanical Specifications

Size
 Length 3 in [76.2 mm]
 Weight 0.69 lbs [312.98 g]

Description	Flange 1	Waveguide	Flange 2
Designation	UG-51/U	WR-112 to WR-90	UG-39/U
Flange Type	Square Cover		Square Cover
Material	Brass	Brass	Brass

Compliance Certifications (visit 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-112 to WR-90 Waveguide Transition 3 Inch Length, UG-51/U Square Cover Flange to UG-39/U Square Cover Flange PEWTS1002](#)

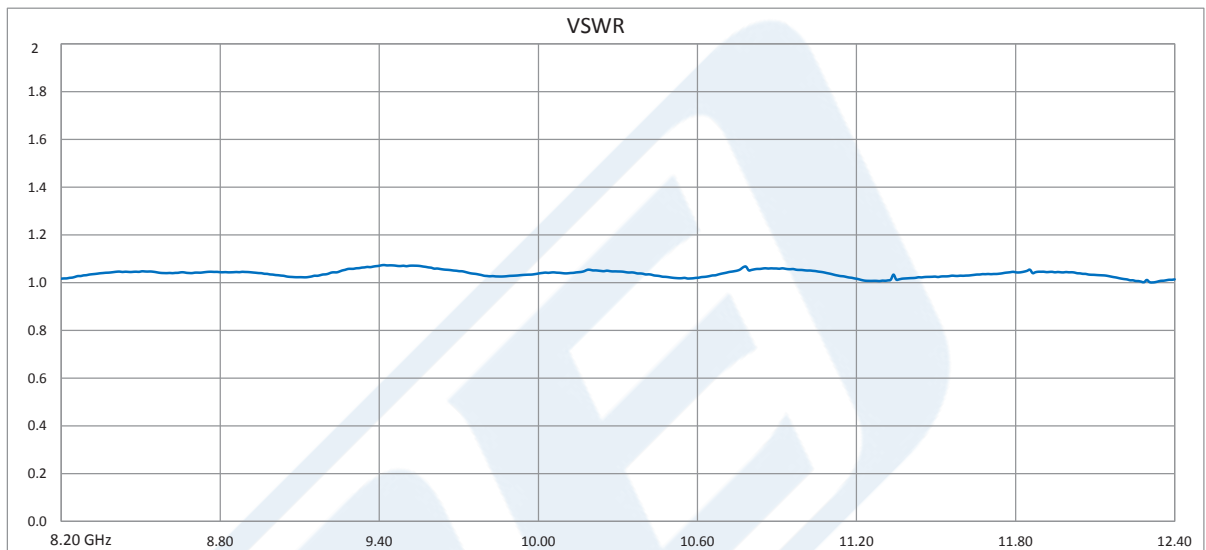


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Typical Performance Data



WR-112 to WR-90 Waveguide Transition 3 Inch Length, UG-51/U Square Cover Flange to UG-39/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.

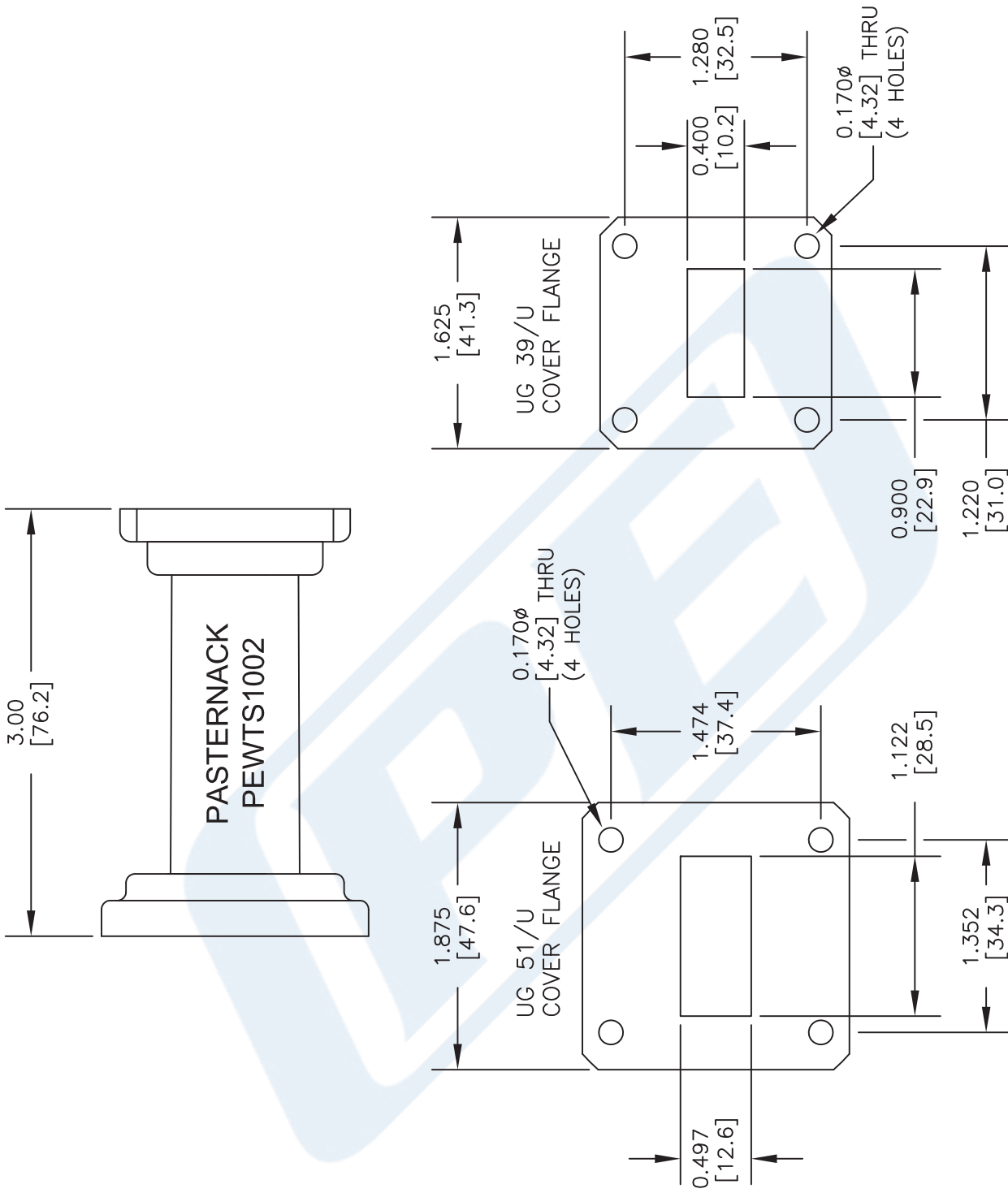
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-112 to WR-90 Waveguide Transition 3 Inch Length, UG-51/U Square Cover Flange to UG-39/U Square Cover Flange PEWTS1002](http://www.pasternack.com/wr112-wr90-waveguide-transition-ug51-square-cover-ug39-pewts1002-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.

PEWTS1002 CAD Drawing

WR-112 to WR-90 Waveguide Transition 3 Inch Length, UG-51/U
 Square Cover Flange to UG-39/U Square Cover Flange



STANDARD TOLERANCES
 .X ±0.2
 .XX ±0.1
 .XXX ±0.05
 *STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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].

DWG TITLE
PEWTS1002

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CAD FILE	010616	SCALE	N/A	SIZE	A	2233
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