



WR-137 to WR-112 Waveguide Transition 6 Inch Length,  
CPR-137G Grooved Flange to CPR-112G Grooved Flange

Waveguide Transitions Technical Data Sheet

PEWTS1001

**Features**

- Transitions from WR-137 to WR-112 waveguide
- WR-137 waveguide CPR-137G flange
- WR-112 waveguide CPR-112G flange
- Painted finish
- Grooved Flange

**Applications**

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

**Description**

The PEWTS1001 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 PEWTS1001 allows the waveguide to change from a WR-137 waveguide (using a CPR-137G flange) to a WR-112 waveguide (using a CPR-137G flange).

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
VSWR		1.08:1		

**Mechanical Specifications**

**Size**

- Length 6 in [152.4 mm]
- Weight 1.42 lbs [644.1 g]

Description	Flange 1	Waveguide	Flange 2
Designation	None	WR-137 to WR-112	None
Flange Type	CPR-137G		CPR-112G
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-137 to WR-112 Waveguide Transition 6 Inch Length, CPR-137G Grooved Flange to CPR-112G Grooved Flange PEWTS1001](#)

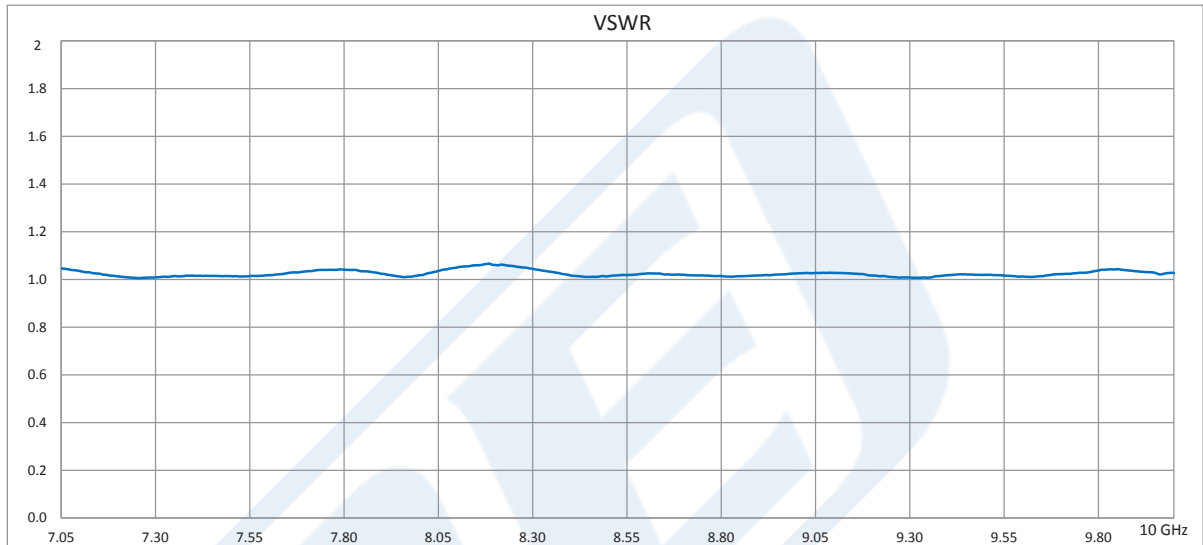


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Typical Performance Data



WR-137 to WR-112 Waveguide Transition 6 Inch Length, CPR-137G Grooved Flange to CPR-112G Grooved 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.

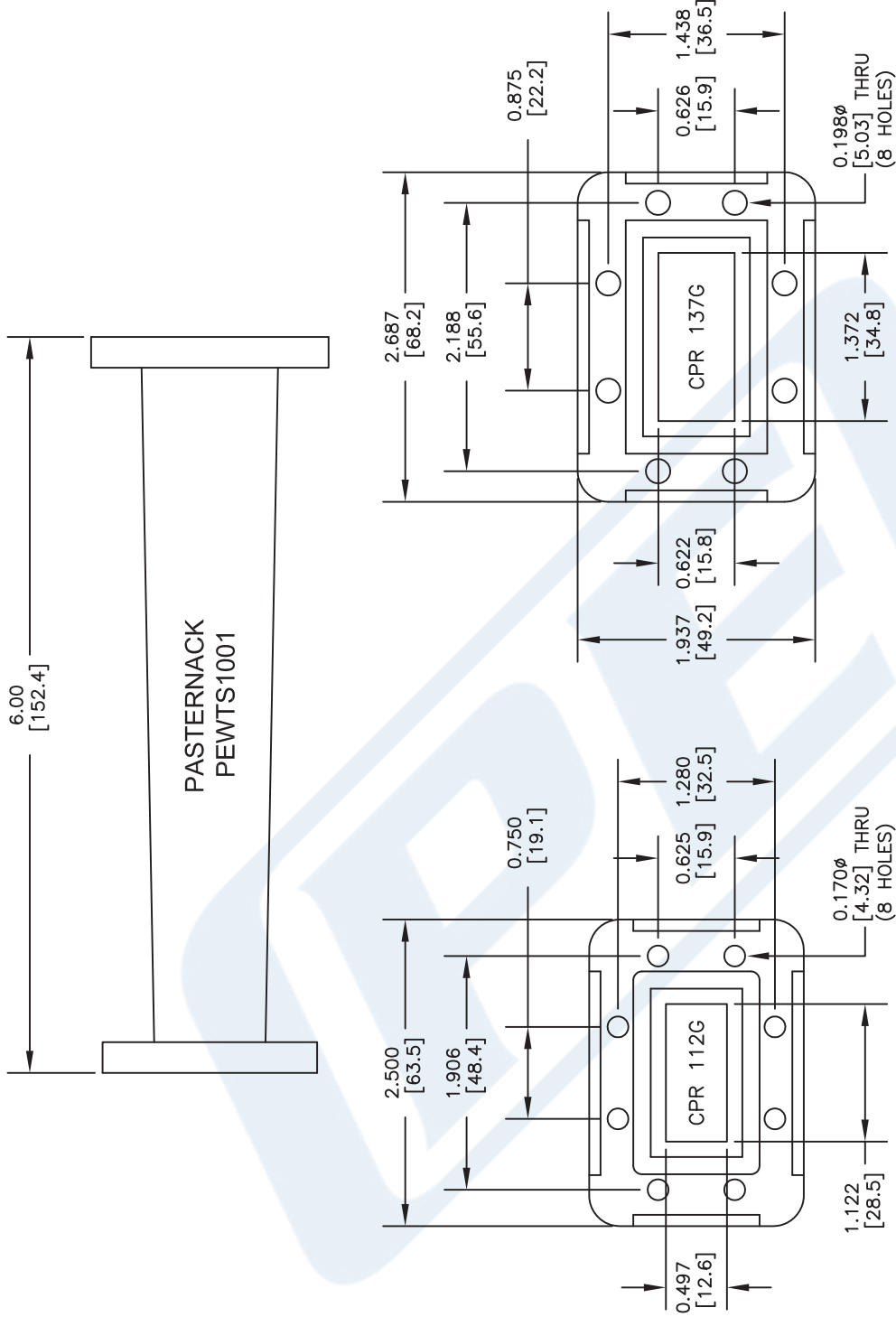
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-137 to WR-112 Waveguide Transition 6 Inch Length, CPR-137G Grooved Flange to CPR-112G Grooved Flange PEWTS1001](http://www.pasternack.com/wr137-wr112-waveguide-transition-cpr-137g-grooved-cpr-112g-grooved-pewts1001-p.aspx)

URL: <http://www.pasternack.com/wr137-wr112-waveguide-transition-cpr-137g-grooved-cpr-112g-grooved-pewts1001-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.

# PEWTS1001 CAD Drawing

WR-137 to WR-112 Waveguide Transition 6 Inch Length, CPR-137G Grooved Flange to CPR-112G Grooved 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

**PEWTS1001**

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