

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

The FMWTS1001 is part of Fairview Microwave'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 FMWTS1001 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 | Min | Typ | Max | Units |
|-------------|-----|--------|-----|-------|
| VSWR | | 1.08:1 | | |

Mechanical Specifications

| | |
|--------|-----------------------|
| Size | |
| Length | 6 in [152.4 mm] |
| Weight | 1.4252 lbs [646.46 g] |

| Description | Flange 1 | Waveguide | Flange 2 |
|-------------|----------|------------------|----------|
| Designation | None | WR-137 to WR-112 | None |
| Flange Type | CPR-137G | | CPR-112G |

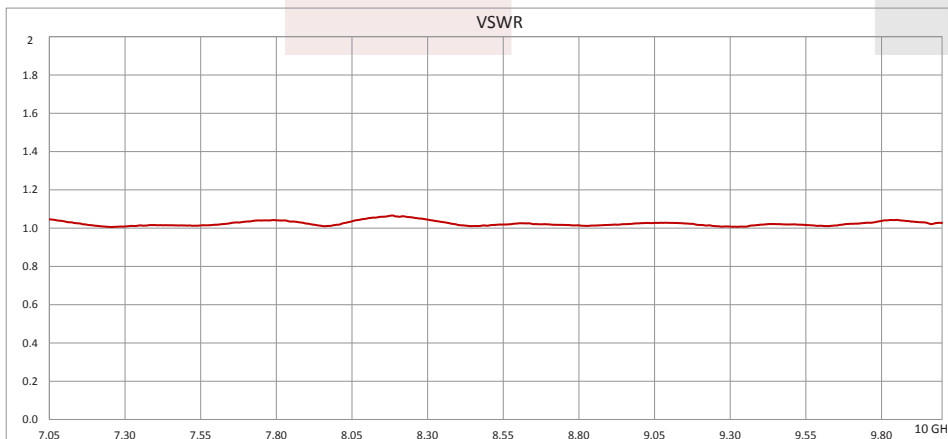
Compliance Certifications (visit www.FairviewMicrowave.com for current document)

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

Plotted and Other Data

- Notes:
- Typical VSWR data taken with load

Typical Performance Data



Features:

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

Applications:

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

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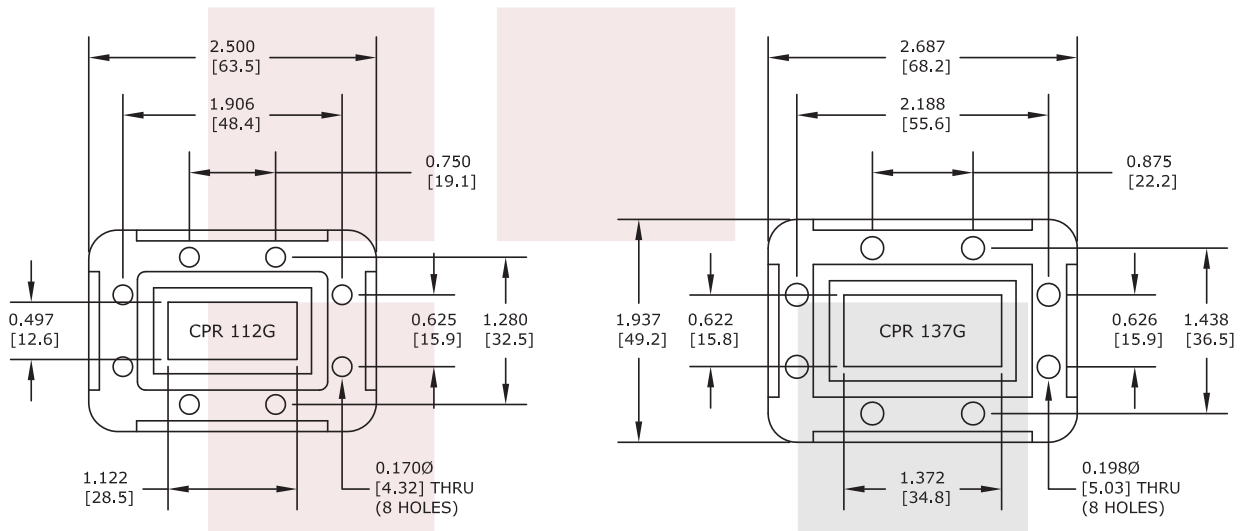
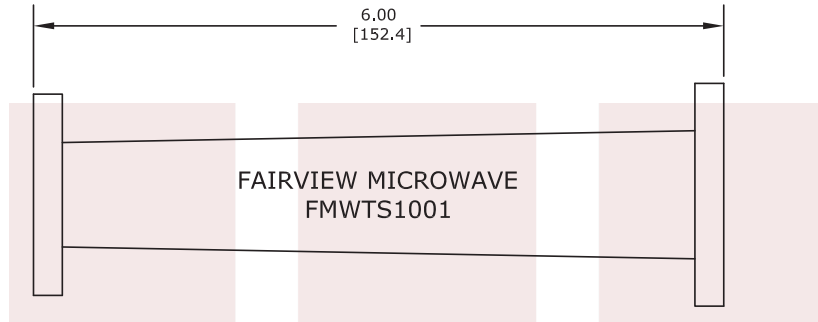
Waveguide Transition With WR-137 CPR-137G Grooved Flange to WR-112 CPR-112G Grooved Flange in 6 Inch Length from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Waveguide Transition With WR-137 CPR-137G Grooved Flange to WR-112 CPR-112G Grooved Flange in 6 Inch Length FMWTS1001](#)

URL: <http://www.fairviewmicrowave.com/waveguide-transition-wr137-cpr-137g-grooved-wr112-cpr-112g-grooved-fmwts1001-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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.





| STANDARD TOLERANCES | |
|---------------------|-------|
| .X | ±0.2 |
| .XX | ±0.1 |
| .XXX | ±0.05 |

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

| | | | | | |
|--|--------|---|-------|---------------------------|-------------|
| FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM | | 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]. | | | |
| TITLE Waveguide Transition With WR-137 CPR-137G Grooved Flange to WR-112 CPR-112G Grooved Flange in 6 Inch Length | | DWG NO FMWTS1001 | | CAGE CODE 3FKR5 | |
| CAD FILE | 010816 | SHEET | SCALE | N/A | SIZE A 2233 |