

WR-12 Waveguide Bulkhead Adapter Using UG-387/U Round Cover Flange and Operating from 60 GHz to 90 GHz

The Fairview Microwave series of rectangular waveguide bulkhead flange mount adapters are offered to cover frequency range of 18 to 110 GHz in seven waveguide bands. The transitions are used for waveguide interface in panel mount equipment. A hole is made in the panel and the adapter is mounted to the panel with screws. Once mounted, waveguides with UG-387/U flanges can be attached to the adapter on both sides of the bulkhead adapter to allow a signal path through the panel. The FMWAD5001 is a bulkhead adapter for WR-12 waveguides with UG-387/U flanges.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	60		90	GHz

Mechanical Specifications

Description	Flange 1	Waveguide	Flange 2
Type	Round Cover	WR-12	Round Cover
Designation	UG-387/U		UG-387/U
Material	Brass	Brass	Brass
Plating	Gold	Gold	Gold
Plating Spec.	ASTMB488	ASTMB488	ASTMB488

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

RoHS Compliant	Yes
REACH Compliant	12/17/2015

Plotted and Other Data

Notes:

WR-12 Waveguide Bulkhead Adapter Using UG-387/U Round Cover Flange and Operating from 60 GHz to 90 GHz 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: [WR-12 Waveguide Bulkhead Adapter Using UG-387/U Round Cover Flange and Operating from 60 GHz to 90 GHz FMWAD5001](http://www.fairviewmicrowave.com/wr-12-waveguide-bulkhead-adapter-ug387-round-90-ghz-fmwad5001)

URL: <https://www.fairviewmicrowave.com/wr-12-waveguide-bulkhead-adapter-ug387-round-90-ghz-fmwad5001-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.



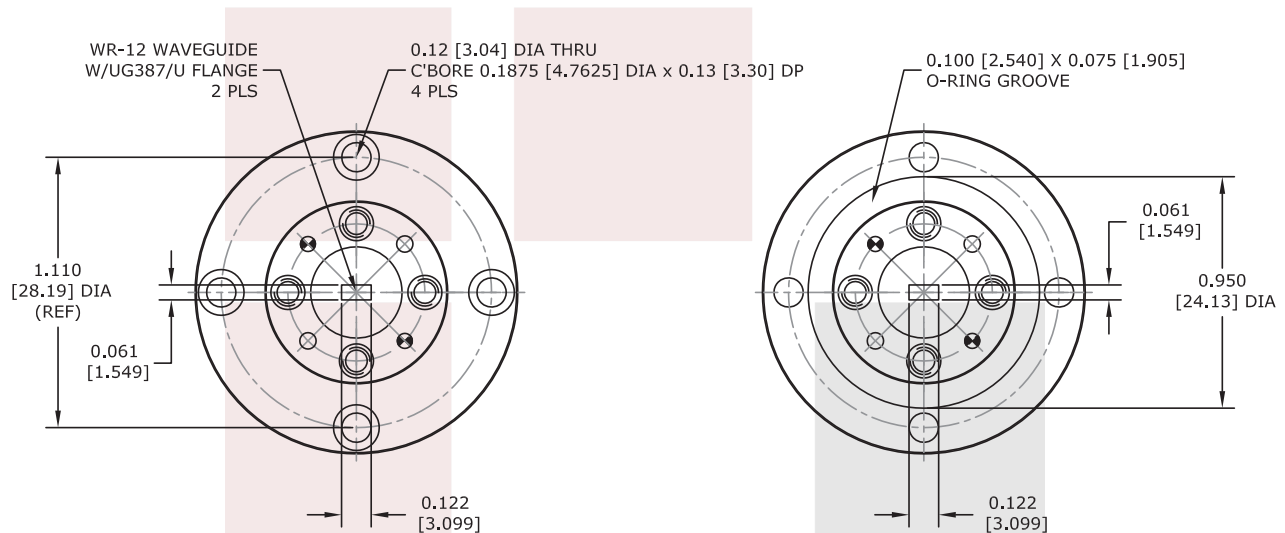
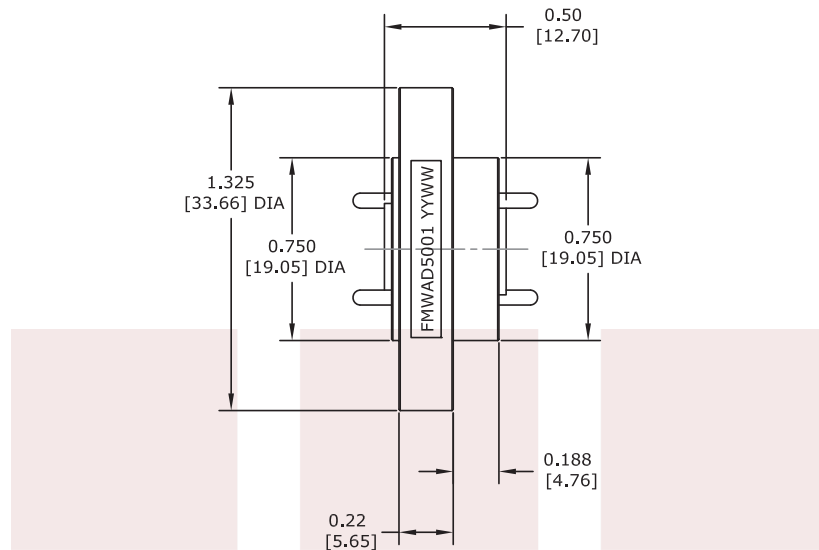
Features:

- Bulkhead adapter for WR-12
- Mounted to the panel with screws
- Gold Plated Finish
- Precision manufactured
- Flanges grooved to receive gaskets

Applications:

- Test Instrumentation
- Sub-Assemblies
- Military and Space
- R&D labs
- Communications Systems

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UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN: Inches [mm]
TOLERANCES ARE:
DECIMALS ANGLES FRACTIONS
.XX ±.01 ±1/2° ± 1/64
[±.25] [± 127/320]
.XXX ±.005
[±.127]

NOTE:
O-RING INSIDE DIAMETER: 0.750" [19.050]
O-RING WIDTH: 3/32" [2.38]

* THESE DIMENSIONS AND TOLERANCES SUPERSEDE NOTE #1 ON TITLE BLOCK.

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 WR-12 Waveguide Bulkhead Adapter Using UG-387/U Round Cover Flange and Operating from 60 GHz to 90 GHz		DWG NO FMWAD5001		CAGE CODE 3FKR5	
CAD FILE	052516	SHEET	SCALE	N/A	SIZE A 2233