

WR-42 Waveguide Bulkhead Adapter Using UG-595/U Square Cover Flange and Operating from 18 GHz to 26.5 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-595/U flanges can be attached to the adapter on both sides of the bulkhead adapter to allow a signal path through the panel. The FMWAD5006 is a bulkhead adapter for WR-42 waveguides with UG-595/U flanges.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	18		26.5	GHz

Mechanical Specifications

Weight 0.176 lbs [79.83 g]

Description	Flange 1	Waveguide	Flange 2
Type	Square Cover	WR-42	Square Cover
Designation	UG-595/U		UG-595/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:



Features:

- Bulkhead adapter for WR-42
- 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

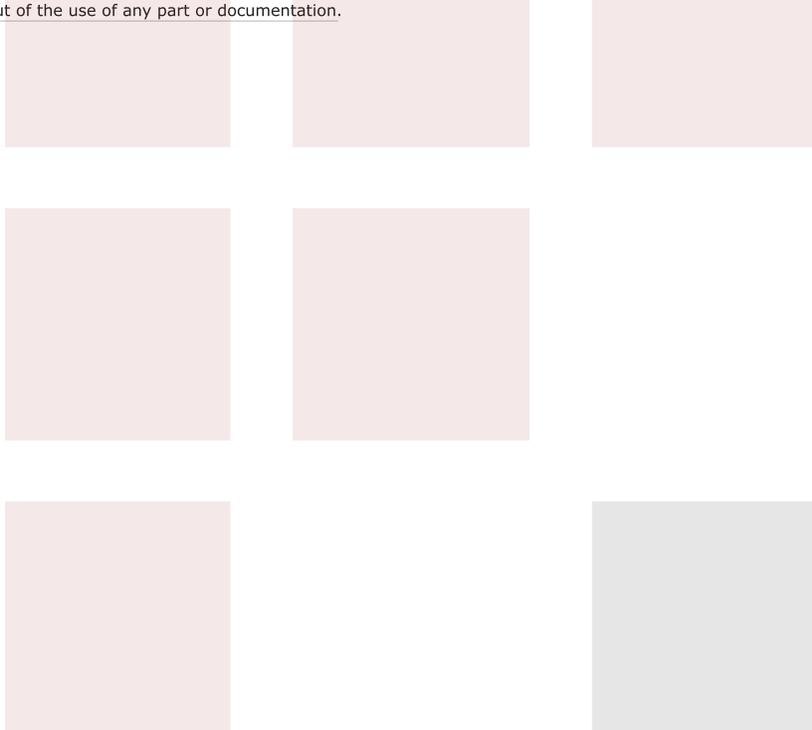
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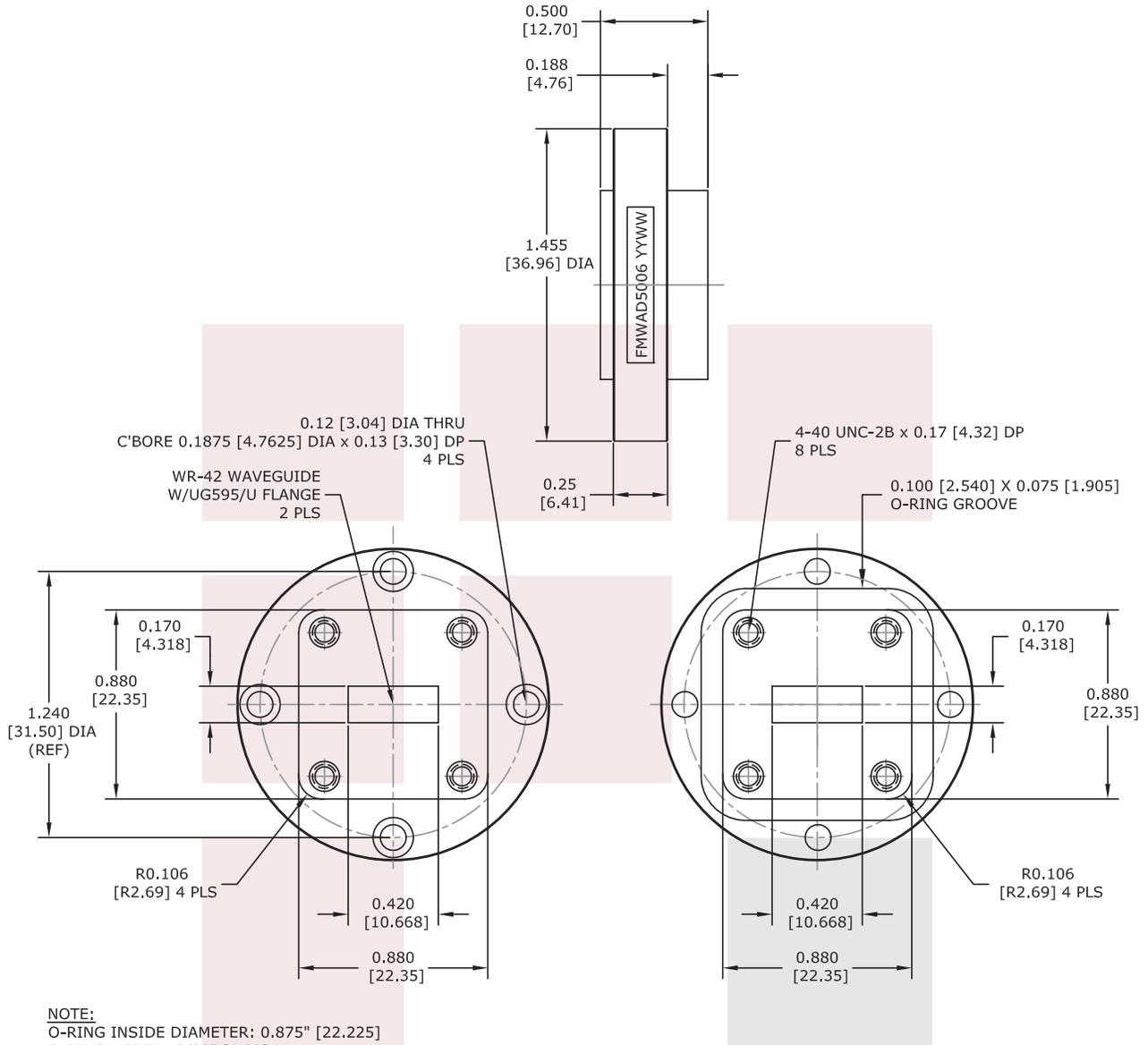
WR-42 Waveguide Bulkhead Adapter Using UG-595/U Square Cover Flange and Operating from 18 GHz to 26.5 GHz from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-42 Waveguide Bulkhead Adapter Using UG-595/U Square Cover Flange and Operating from 18 GHz to 26.5 GHz FMWAD5006](#)

URL: <https://www.fairviewmicrowave.com/wr-42-waveguide-bulkhead-adapter-ug595-square-26.5-ghz-fmwad5006-p.aspx>

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NOTE:
O-RING INSIDE DIAMETER: 0.875" [22.225]
O-RING WIDTH: 3/32" [2.38]

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]

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

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TITLE WR-42 Waveguide Bulkhead Adapter Using UG-595/U Square Cover Flange and Operating from 18 GHz to 26.5 GHz		DWG NO FMWAD5006		CAGE CODE 3FKR5	
CAD FILE	042616	SHEET	SCALE	N/A	SIZE A 2233