

WR-28 to WR-42 Waveguide Transition 2 Inch Length Using UG-599/U to UG-595/U Flange

The SMW28TS42001A is part of Fairview'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 SMW28TS42001A allows the waveguide to change from a WR-28 waveguide (using a UG-599/U flange) to a WR-42 waveguide (using a UG-595/U flange.) The waveguide body has a plated gold finish.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	18		26.5	GHz
VSWR			1.1:1	
Insertion Loss		0.6		dB

Mechanical Specifications

Weight 0.1675 lbs [75.98 g]

Description	Flange 1	Waveguide	Flange 2
Designation	UG-599/U	WR-42 to WR-28	UG-595/U
Flange Type	Square Cover		Square Cover
Material	Brass	Brass	Brass
Plating	Gold	Gold	Gold
Plating Spec.	ASTMB488	ASTMB488	ASTMB488
Finish	Gold	Gold	Gold

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

- Typical VSWR/Return Loss data taken with load.
- Typical insertion loss data taken for two parts in series. The WR-42 flanges are connected together and the WR-28 flanges are connected to the test equipment.



Features:

- WR-28 to WR-42 waveguide
- WR-28 waveguide UG-599/U flange
- WR-42 waveguide UG-595/U flange
- Gold plated finish
- Precision manufactured

Applications:

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

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WR-28 to WR-42 Waveguide Transition 2 Inch Length Using UG-599/U to UG-595/U Flange 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 Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-28 to WR-42 Waveguide Transition 2 Inch Length Using UG-599/U to UG-595/U Flange SMW28TS42001A](#)

URL: <https://www.fairviewmicrowave.com/wr-28-wr-42-waveguide-transition-smw28ts42001a-p.aspx>

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