

WR-42 90 Degree Waveguide Twist Using a UG-595/U Flange And a 18 GHz to 26.5 GHz Frequency Range

The SMW42TW1001A is a 90 degree waveguide twist that is part of a family of precision manufactured twists with square cover per MIL-DTL-85. The family includes right and left hand 45 degree twists as well as 90 degree twists. These twists are offered in the Ka through W waveguide bands (18 to 110 GHz).

Electrical Specifications

Description	Min	Тур	Max	Units
Frequency Range	18		26.5	GHz
VSWR			1.07:1	
Insertion Loss			0.5	dB

Mechanical Specifications

Waveguide Size WR-42
Section Length 1.25 in [31.75 mm]

Description Flange 1 Waveguide Flange 2 UG-595/U WR-42 UG-595/U Interface Material Brass Brass **Brass Plating** Gold Gold Gold Color Gold Gold Gold

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Notes, Plotted Data

WR-42 90 Degree Waveguide Twist Using a UG-595/U Flange And a 18 GHz to 26.5 GHz Frequency Range 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-42 90 Degree Waveguide Twist Using a UG-595/U Flange And a 18 GHz to 26.5 GHz Frequency Range SMW42TW1001A

URL: https://www.fairviewmicrowave.com/wr-42-90-waveguide-twist-ug595-18-26.5-ghz-smw42tw1001a-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.

SMW42TW1001A DATA SHEET



Features:

- WR-42 waveguide
- Operating frequency range 18 to 26.5 GHz
- UG-595/U Flange
- 1.07:1 Maximum VSWR
- 90° Twist

Applications:

- Instrumentation
- · Precision measurements
- Prototyping and characterization
- Production Systems

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