

SMW42TW1003 DATA SHEET

WR-42 45 Degree Waveguide Right-hand Twist Using a UG-595/U Flange And a 18 GHz to 26.5 GHz Frequency Range

The SMW42TW1003 is a 45 degree right hand 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).

Pairview Microwaye

Electrical Specifications

Description	Min	Тур	Max	Units
Frequency Range	18	7.	26.5	GHz
VSWR			1.1:1	
Insertion Loss			0.75	dB

Mechanical Specifications

Waveguide Size WR-42 Section Length 2.7 in [68.58 mm]

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

Features:

- WR-42
- 18 to 26.5 GHz
- UG-599/U Flange
- 45° Right Hand (Clockwise) Twist
- Gold Plated

Applications:

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

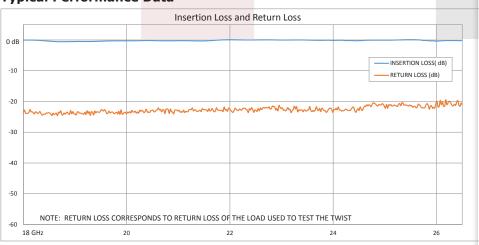
Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

• Notes, Plotted Data

Typical Performance Data



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WR-42 45 Degree Waveguide Right-hand 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 Allen, Texas. Fairview Microwave is RF on-demand.

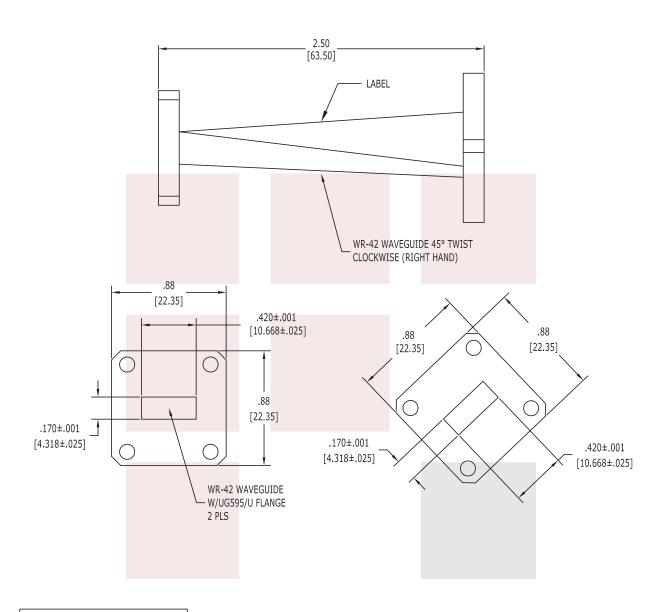
For additional information on this product, please click the following link: WR-42 45 Degree Waveguide Right-hand Twist Using a UG-595/U Flange And a 18 GHz to 26.5 GHz Frequency Range SMW42TW1003

URL: https://www.fairviewmicrowave.com/wr-42-45-waveguide-twist-ug595-18-26.5-ghz-smw42tw1003-p.aspx









 st 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].					
WR-42 45 Degree Waveguide Right-hand Twist Using a UG-595/U Flange And a 18 GHz to 26.5 GHz Frequency Range	SMW42TW1003			CAGE CODE 3FKR5		
	CAD FILE 040116	SHEET	SCALE N	N/A	SIZE A	2233