

WR-28 Waveguide H-Bend Instrumentation Grade Using UG-599/U Flange with a 26.5 GHz to 40 GHz Frequency Range



SMF-28HB-001

Features

- Commercial grade and instrumentation grade sections and bends covering frequency ranges from 5.8 GHz to 90 GHz
- Wide variety of flange types, including grooved and non-grooved designs.
- Precision waveguide mechanical tolerances of $\pm 0.001''$
- Comprehensive waveguide offering also includes Bends, Filters, Terminations, and Waveguide to Coaxial Adapters.

Applications

Description

Fairview Microwave carries a wide variety of waveguide bends ranging from WR-12 to WR-137. These waveguide bends include grooved and non-grooved designs. Standard waveguide bends are available in E-Bend and H-Bend configurations. For ease of identification, our commercial grade waveguide bends are painted grey while our instrumentation grade waveguide bends are gold plated. Our instrumentation grade waveguide bends were designed with precision tolerances of $\pm 0.001''$ and constructed of a high grade oxygen free hard copper to ensure repeatable RF performance.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	26.5		40	GHz
VSWR			1.1:1	
Insertion Loss		0.28		dB

Mechanical Specifications

Waveguide Size: WR-28
Waveguide Design: Instrumentation Grade

Description	Flange 1	Waveguide	Flange 2
Flange Type	Square Cover		Square Cover
Flange Designation	UG-599/U	WR-28	UG-599/U
Material	Oxygen Free Hard Copper	Oxygen Free Hard Copper	Oxygen Free Hard Copper
Plating	Hard Gold over Copper Flash	Hard Gold over Copper Flash	Hard Gold over Copper Flash

Size
Weight: 0.0901 lbs [40.87 g]

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

Plotted and Other Data

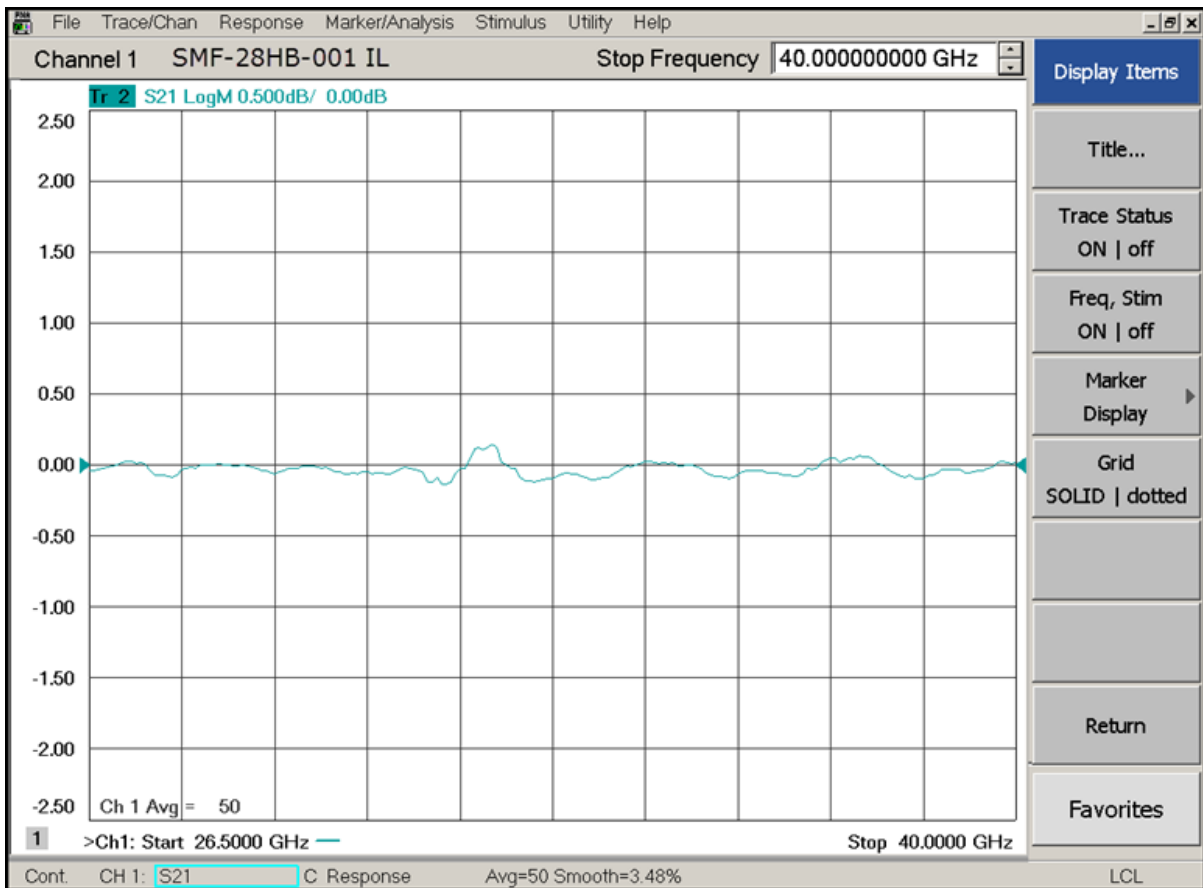
Notes:

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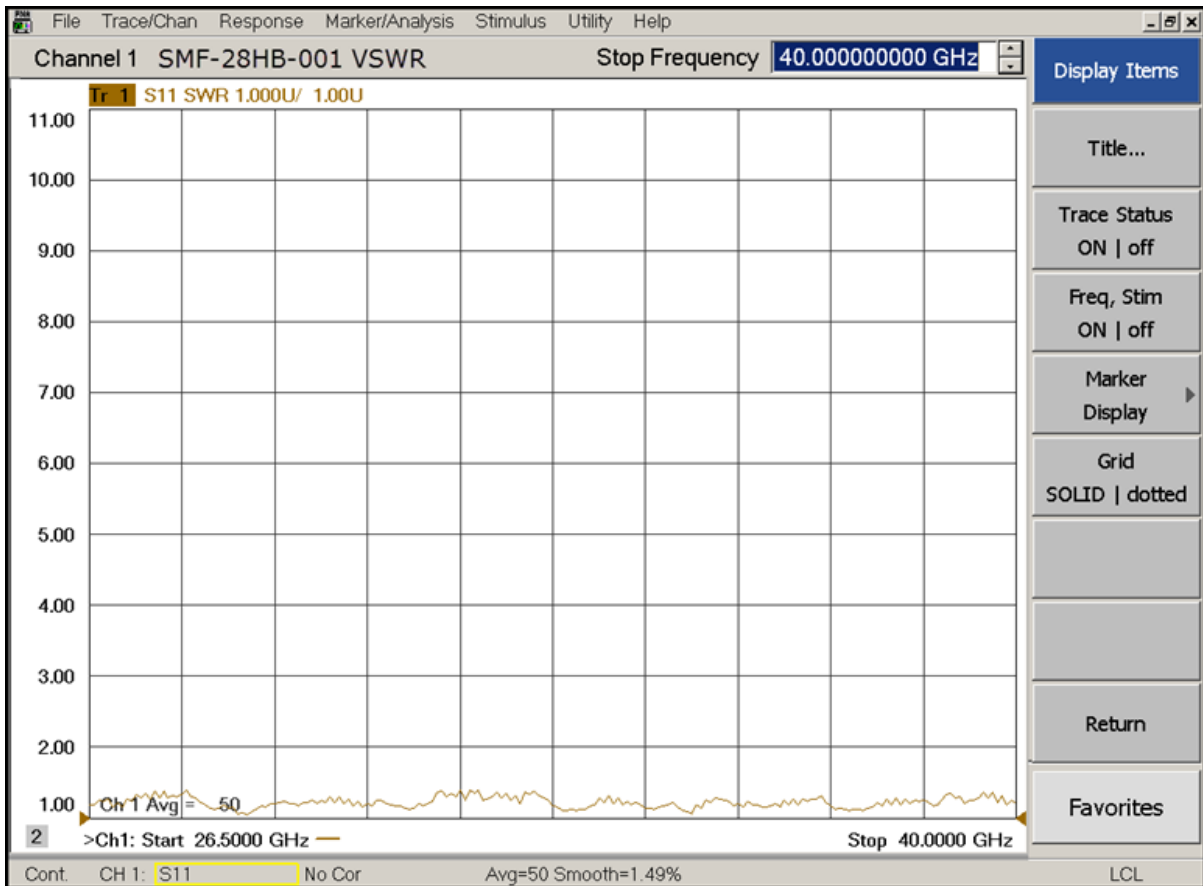
Typical Performance Data



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WR-28 Waveguide H-Bend Instrumentation Grade Using UG-599/U Flange with a 26.5 GHz to 40 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-28 Waveguide H-Bend Instrumentation Grade Using UG-599/U Flange with a 26.5 GHz to 40 GHz Frequency Range SMF-28HB-001](https://www.fairviewmicrowave.com/wr-28-waveguide-h-bend-ug-599-u-flange-26.5-40-ghz-smf-28hb-001-p.aspx)

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SMF-28HB-001 CAD Drawing

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