

Waveguide Terminations

General Features

- Frequency coverage: up to 1100 GHz
- High precision calibrated component
- Low VSWR
- Robust versions machined from solid

Specifications

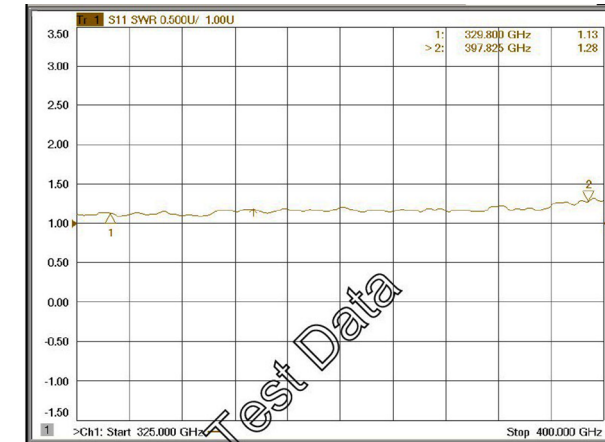


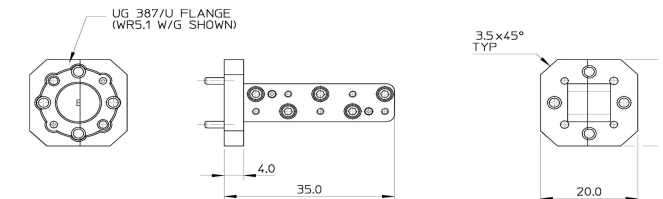
Fig 1 WR2.8 260-400 GHz Termination VSWR

Model	Frequency Coverage (GHz)	VSWR (max)	Waveguide Designation	IEEE Waveguide Designation	Standard Flange ⁻²
THZWGT-10	75 – 110	1.06	WR 10	WM-2540	UG 387/U-M
THZWGT-08	90 – 140	1.10	WR 08	WM-2022	UG 387/U-M
THZWGT-06	110 – 170	1.10	WR 06	WM-1651	UG 387/U-M
THZWGT-05	140 – 220	1.10	WR 05	WM-1295	UG 387/U-M
THZWGT-04	170 – 260	1.15	WR 04	WM-1092	UG 387/U-M
THZWGT-03	220 – 330 ⁻³	1.15	WR 03	WM-864	UG 387/U-M
THZWGT-2.8	260 – 400	1.20	WR 2.8	WM-710	UG 387/U-M Precision
THZWGT-2.2	330 – 500	1.25	WR 2.2	WM-570	UG 387/U-M Precision
THZWGT-1.5	500 – 750	1.45	WR 1.5	WM-380	UG 387/U-M Precision
THZWGT-1.0	750 - 1100	1.75	WR 1.0	WM-250	UG 387/U-M Precision

Notes

1. New waveguide definitions are also used above 75 GHz, as defined by IEEE.
2. There are variations in industry 'standard' flanges. Precision flanges have tighter tolerances. Specify your needs.
3. Waveguide WR 03 historically covers 220-325 GHz. The new standard WM-864 extends coverage to 220 – 330 GHz.
4. Standard twists have length 25 mm.
5. **'Shim 90 deg twists' with 0.2 mm thickness and reduced loss are available to special order.

How to make a request: specify Model number, or custom dimensions if required. Email to: sales@vivatechthz.com



PART No.	DRG No.	TITLE	COMMENT
THZWGT-05	VT393-01	WAVEGUIDE TERMINATION - WR5.1	AS DRAWN
THZWGT-04	VT393-02	WAVEGUIDE TERMINATION - WR4.3	
THZWGT-2.8	VT393-03	WAVEGUIDE TERMINATION - WR2.8	

Fig 2 THZWGT-XX Termination