Waveguide Bends E and H Plane

General Features

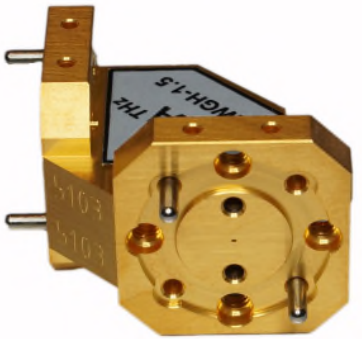
- Frequency coverage: 50 – 1100 GHz
- 90 deg angle as standard
- E or H plane versions
- High precision, incorporates IEEE 1785.2 dowels*
- Precision machined from solid *
- Custom designs

THZWGE-06 90 deg E Plane Bend

THZWGE-2.2 90 deg H Plane Bend
Precision UG387/U-M flange

Specifications

Model	Frequency Range (GHz)	VSWR (typical)	Waveguide (WR)	Flange (Standard)
THZWGE/H-15	50 – 75	< 1.1	WR 15	UG385/U
THZWGE/H-10	75 – 110	< 1.1	WR 10	UG387/U-M
THZWGE/H-08	90 – 140	< 1.1	WR 08	UG387/U-M
THZWGE/H-06	110 – 170	< 1.2	WR 6.5	UG387/U-M
THZWGE/H-05	140 – 220	< 1.2	WR 5.1	UG387/U-M
THZWGE/H-04	170 – 260	< 1.25	WR 4.3	UG387/U-M
THZWGE/H-03	225 – 325	< 1.5	WR 3.4	UG387/U-M
THZWGE/H-2.8	260 – 400	< 1.5	WR 2.8	UG387/U-M IEEE 1785.2
THZWGE/H-2.2	330 – 500	< 1.5	WR 2.2	UG387/U-M IEEE 1785.2
THZWGE/H-1.5	500 – 750	< 1.75	WR 1.5	UG387/U-M IEEE 1785.2
THZWGE/H-1.0	750 - 1100	< 1.75	WR 1.0	UG387/U-M IEEE 1785.2



THZWGE-1.5 90 deg H Plane Bend (500-750 GHz)
Precision UG387/U-M w/IEEE 1785.2 flange

Notes

1. Model **THZWGE-XX** is an E plane 90 deg bend. Model **THZWGH-XX** is an H plane 90 deg bend.
2. Flange types above 110 GHz (WR10) may vary. IEEE type 1785.2 optionally fitted to WR2.8 – WR1.0
3. Bend material is copper or copper alloy gold plated.
4. *Depends on model. Below 110 GHz bends are gold plated copper or silver drawn waveguide.
5. VSWR values are typical based on samples, not tested individually. (Optionally tested on request)

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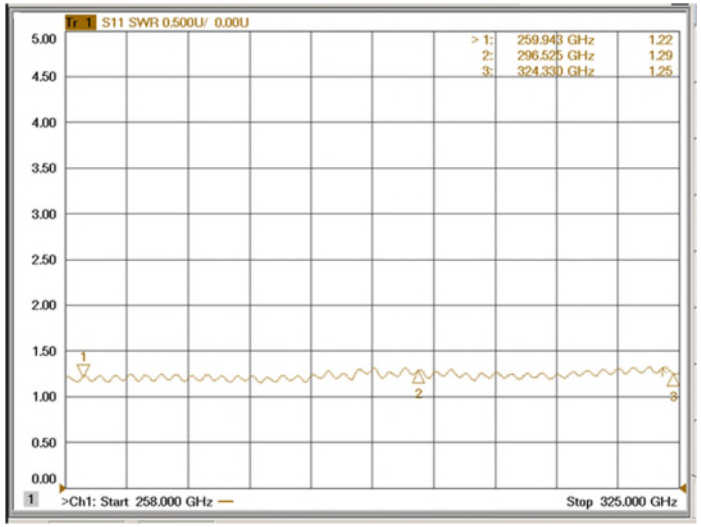
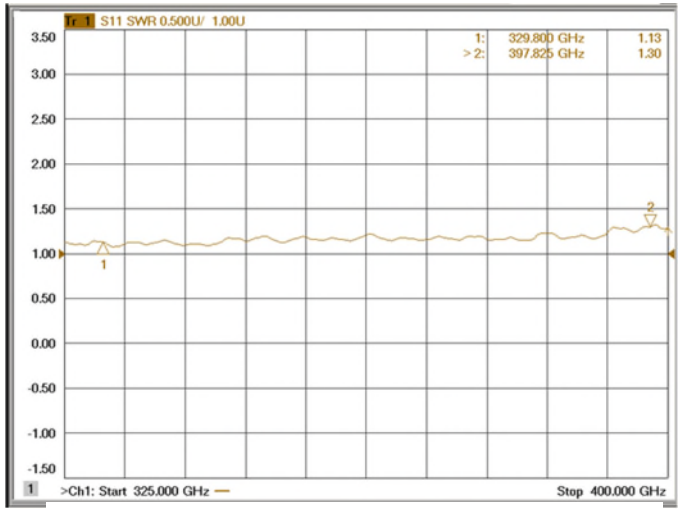
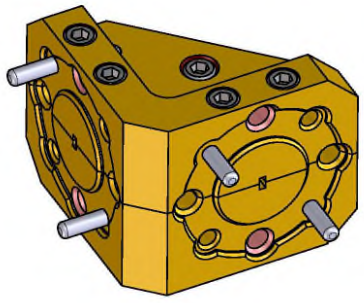
Waveguide Bends E and H Plane contd.



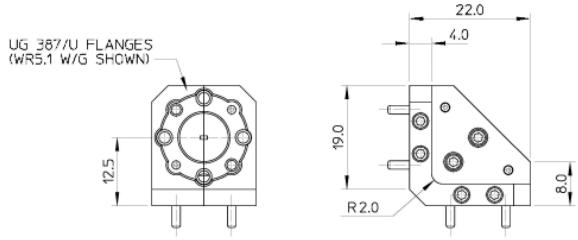
THZWGE-2.8 E Plane Bend VSWR 260-325 GHz



THZWGE-2.8 E Plane Bend VSWR 325-400 GHz



THZWGE/H 90 deg Bends



PART No.	DRG No.	TITLE	COMMENT
THZWGE-05	VT400-01	WAVEGUIDE E-BEND 90° WR5.1	AS DRAWN
THZWGE-04	VT400-02	WAVEGUIDE E-BEND 90° WR4.3	
THZWGE-2.8	VT400-03	WAVEGUIDE E-BEND 90° WR2.8	

THZWGE/H Outline Drawing

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