

Antennas - Lens Horn Antennas

General Features

- Frequency coverage: 110 – 500 GHz
- Pencil beam and asymmetric beams
- Radar & Passive Imaging
- OTA Communications
- Custom Designs

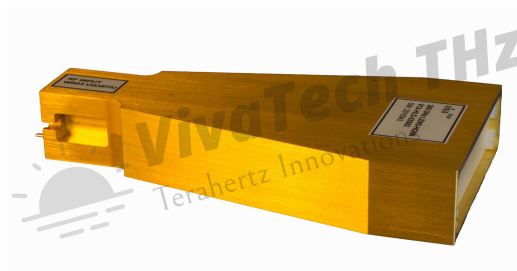
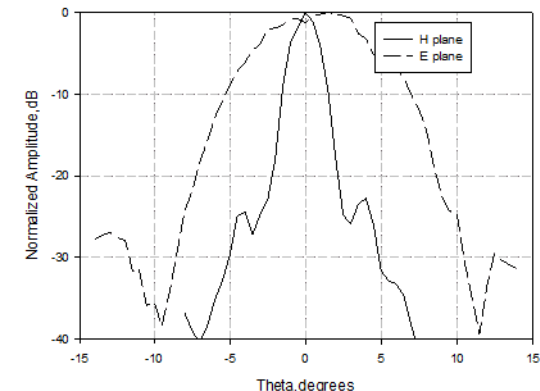


Fig 1 THZHLA-03AB Asymmetric Beam

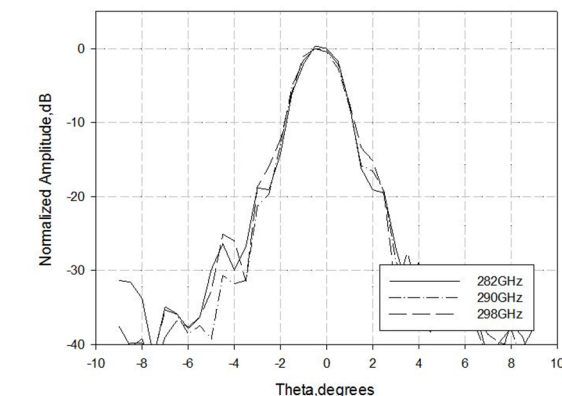


Specifications

Model	Frequency (GHz)	Type	Gain (dB)	Beamwidth (E/H) deg ¹	Waveguide, Flange
THZHLA-10NB	75 - 110	Pencil beam	>25 typical	1-5	WR10, UG387/U-M
THZHLA-10AB	75 – 110	Assymetric	custom	1-5, 10-20	WR10, UG387/U-M
THZHLA-06NB	110 - 170	Pencil beam	>25 typical	1-5	WR06, UG387/U-M
THZHLA-06AB	110 – 170	Assymetric	custom	1-5, 10-20	WR06, UG387/U-M
THZHLA-05NB	140 – 220	Pencil beam	>25 typical	1-5	WR05, UG387/U-M
THZHLA-05AB	140 – 220	Assymetric	custom	1-5, 10-20	WR05, UG387/U-M
THZHLA-03NB	220 – 325	Pencil beam	>25 typical	1-5	WR03, UG387/U-M
THZHLA-03AB	220 - 325	Assymetric	custom	1-5, 10-20	WR03, UG387/U-M



Fig 2 THZHLA-03NB Pencil Beam



Notes

1. Nominal, mid band, varies with frequency. Other values are available to order.
2. Flange types above 110 GHz (WR10) may vary. Specify your flange requirement above WR10.
3. Other frequency ranges are available to order.
4. Material is copper or copper alloy gold plated, excluding lens.
5. **How to make a request:** Specify center frequency, 3 dB E/H beam width, waveguide size, gain, any other requirements, email to: sales@vivatechthz.com