

Amplifiers – D band Medium Power Amplifier

General Features

- Frequency coverage: Full band 110-170 GHz
- Narrow Band : 110-150 GHz
- Psat +18 dBm typical
- P1dB + 13 dBm typical
- Multiple stage 20-30 dB gain
- Noise Figure 6 dB typical

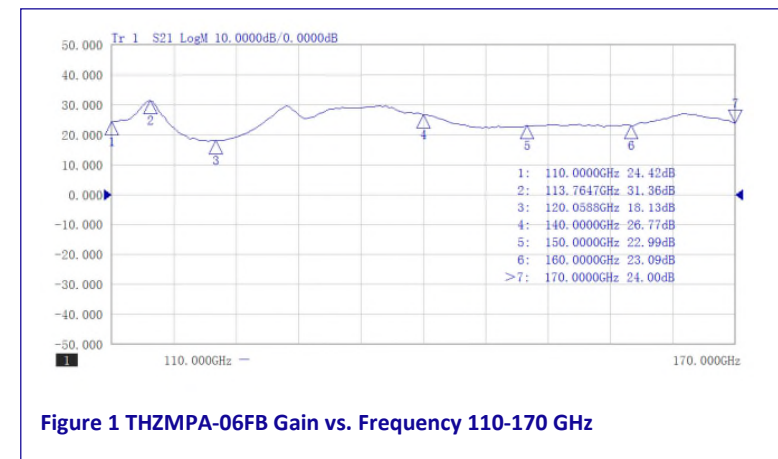


Figure 1 THZMPA-06FB Gain vs. Frequency 110-170 GHz

Specifications

Model	Frequency (GHz)	Gain (dB), typical	P1/Psat, dBm typical	Waveguide	Standard Flange
THZMPA-06FB	110-170	20	+12 /+18	WR 06	UG 387/U-M
THZMPA-06NBS	110-150	30	+10 /+12	WR 06	UG 387/U-M

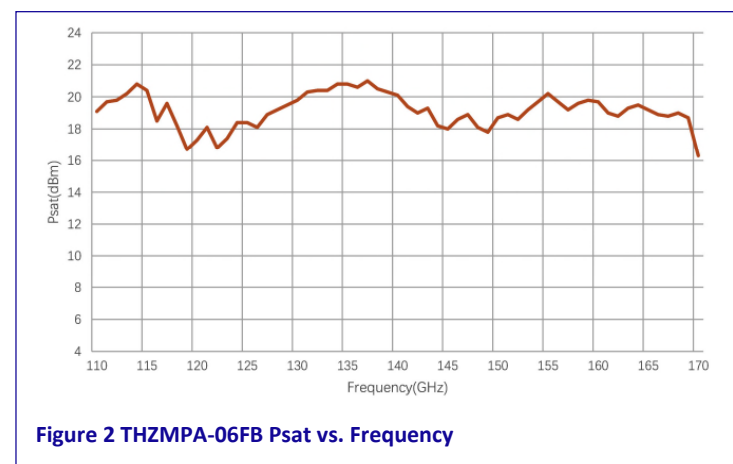
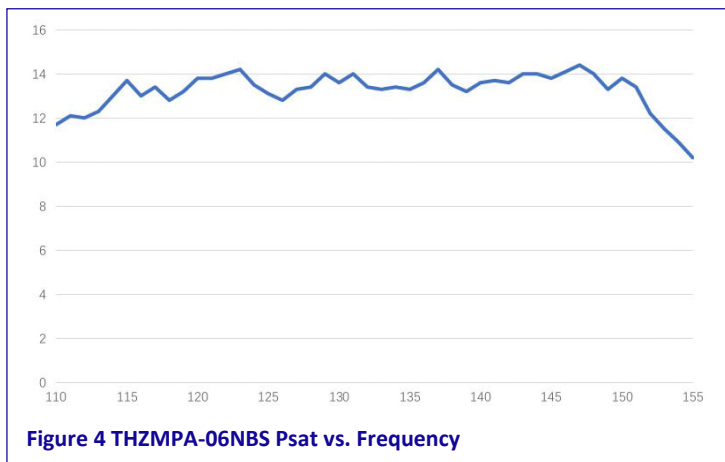
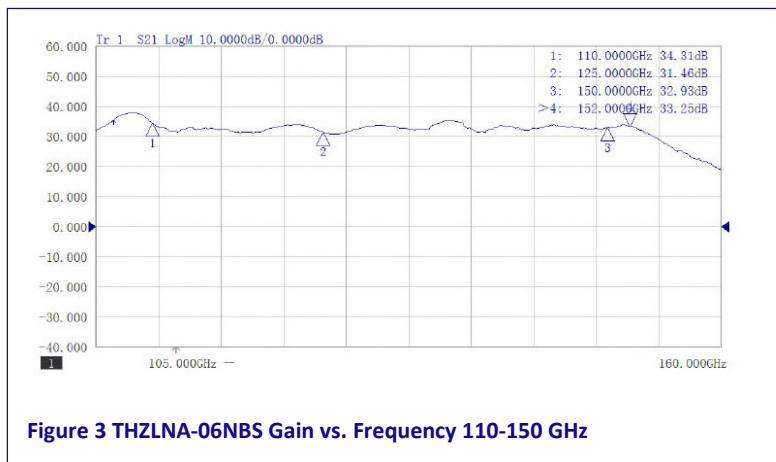


Figure 2 THZMPA-06FB Psat vs. Frequency

Amplifiers – D band MPA contd.



Notes

1. Input / Output VSWR : < 3 : 1 typical
2. Single DC supply +5 or +12 VDC
3. Test Data : Gain or S parameters and Psat data
4. **How to make a request:** select one of the Models above, or provide specifications with frequency range, gain, Psat and waveguide size; send email to: sales@vivatechthz.com
5. Operation with heatsink and / or air cooling required
6. *Photographs, outlines and test data are non-contractual and subject to change and modification*