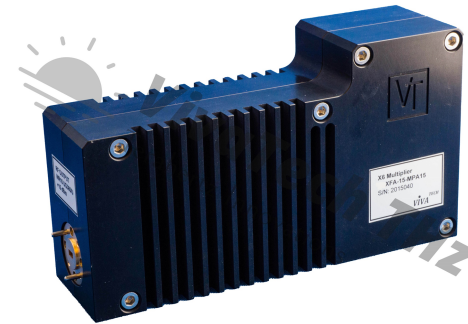
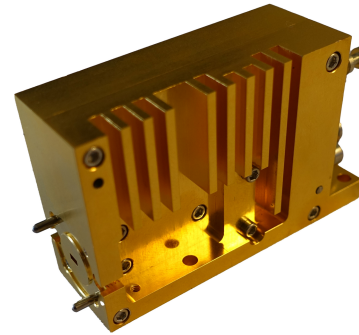


## Frequency Sources – Active Multipliers

### General Features

- Active multipliers X4, X6, X12, X18, X36
- Coverage: 50 – 500 GHz
- Standard waveguide full-band & narrow-band (higher power)
- Extender for signal generator or VNA
- High output power and flat frequency response
- Option: integrated or external isolators (up to 330 GHz)
- Option: packaged screened enclosure with integral heat sink



### Specifications

Model	Output Frequency (GHz)	Output Power min, typical (dBm)	Input Frequency (GHz)	Output Waveguide, Flange
THZXFA-15FB	50 – 75	+13, +15	8.33 – 11.67	WR 15, UG385/U
THZXFA-12FB	60 – 90	+13 typical	10.00 – 15.00	WR 12, UG387/U-M
THZXFA-10FB	75 – 110	+3, +6	12.50 – 18.33	WR 10, UG387/U-M
THZXFA-10FBH	75 – 110	+13, +16	12.50 – 18.33	WR 10, UG387/U-M
THZXFA-08FB	90 – 140	+6 typical	15.00 – 23.30	WR 08, UG387/U-M
THZXFA-06FB	110 – 170	+6, +10	9.17 – 14.17	WR 06, UG387/U-M
THZXFA-05FB	140 – 220	+4 typical	11.66 – 18.34	WR 05, UG387/U-M
THZXFA-03FB	220 – 330	-7, -5	12.20 – 18.10	WR 03, UG387/U-M
THZXFA-2.2FB	330 – 500	-10, -8	9.02 – 13.89	WR 2.2, UG387/U-M

### Notes

1. RF input power: +7 to +10 dBm
2. Harmonic and spurious: < 20 dBc typical
3. DC: +7 to +9 VDC, < 1 A typical
4. Input connector: SMA (F) or K (F)
5. **How to make a request:** specify Model above, or specifications desired; email to: [sales@vivatechthz.com](mailto:sales@vivatechthz.com)

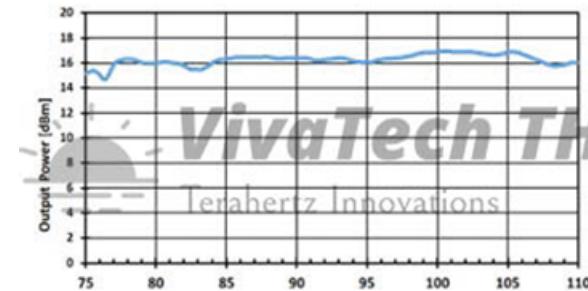


Figure 1 THZXFA-10FBH Output Power

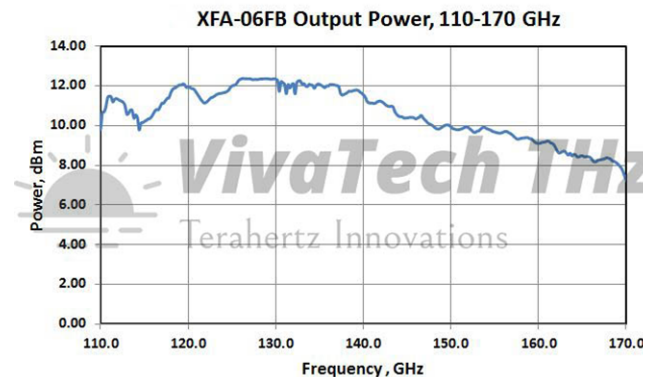


Figure 2 THZXFA-06FB Output Power