

## THz Detector Modules 50-1200 GHz

### General Features

- Coverage 50- > 1200 GHz with optical interface
- TTL Modulation chopping support
- Wideband or narrowband models
- **High Power & High Sensitivity in a robust package with internal amplifier**
- Weight 0.5 Kg
- Max temperature range 15 to 45 deg C (base plate).

### Specifications

Models	THZWDM-WB
Frequency Range (GHz)	50-1200
Reference	External
Chopping Modulation TTL, max	100 KHz
Sensitivity (V/W)	10,000 min
Power handling	<b>10 mW min</b>
Chopping Input (INT/EXT)	SMA / 2.92 - F
Output Impedance *	50 ohms
Signal Output	BNC-F
Power Supply (external)	DC +/- 12 V 100 mA
Dimensions (mm) (*TBC)	120 x 78 x 50

#### Notes

1. \*Option high impedance output (10 K) or low impedance output (50 ohm)
2. \*\*Useful bandwidth extends from 50-1200 GHz
3. Compatible with VivaTech THz Source Modules see THZXFA-Series up to 500 GHz
4. Power requirements +/- 12 V DC
5. Safe operation with protected connection to diode sensor, high power tolerance (> 10 mW)
6. **How to make a request:** choose Model, or state frequency range, required options, email to: [sales@vivatechthz.com](mailto:sales@vivatechthz.com)



Figure 1: 50-1200 GHz THZWDM-WB Detector Module

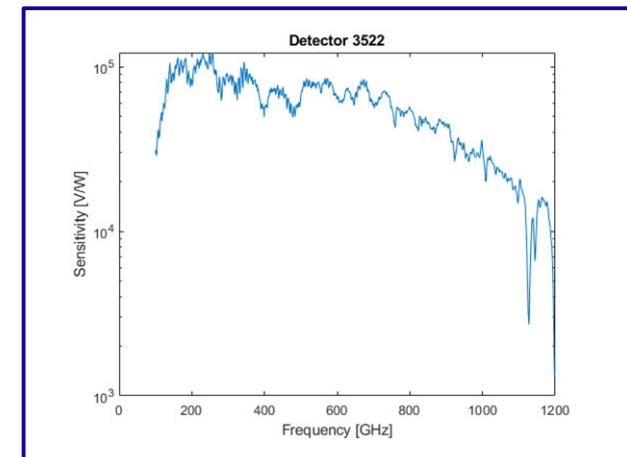


Figure 2 THZWDM-WB Typical Sensitivity