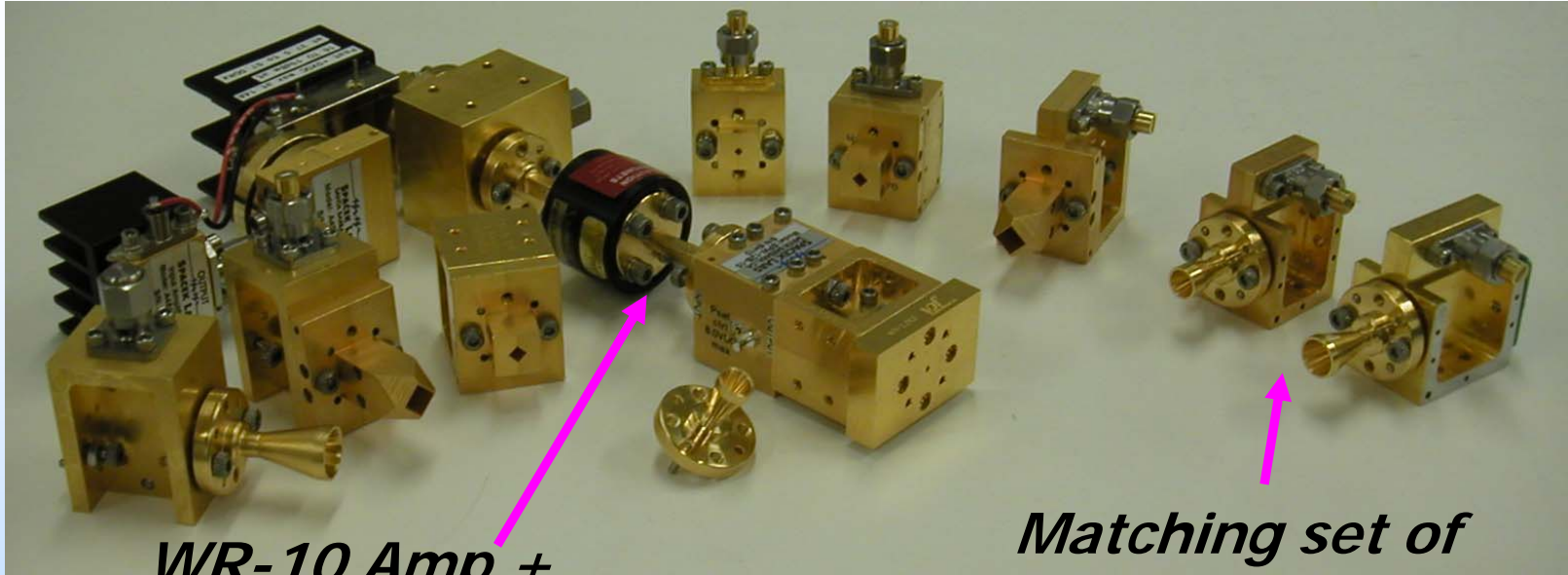


# *THz Development Kit- Scalar Analysis - 0.1-1.5 THz*



***WR-10 Amp +  
Multipliers***

***Matching set of  
detectors***

***Contact VDI Today for additional  
information on VDI Multipliers,  
Detectors, Mixers, Tx, and Rx for the  
50-1500 GHz Band; (434) 297-3257***

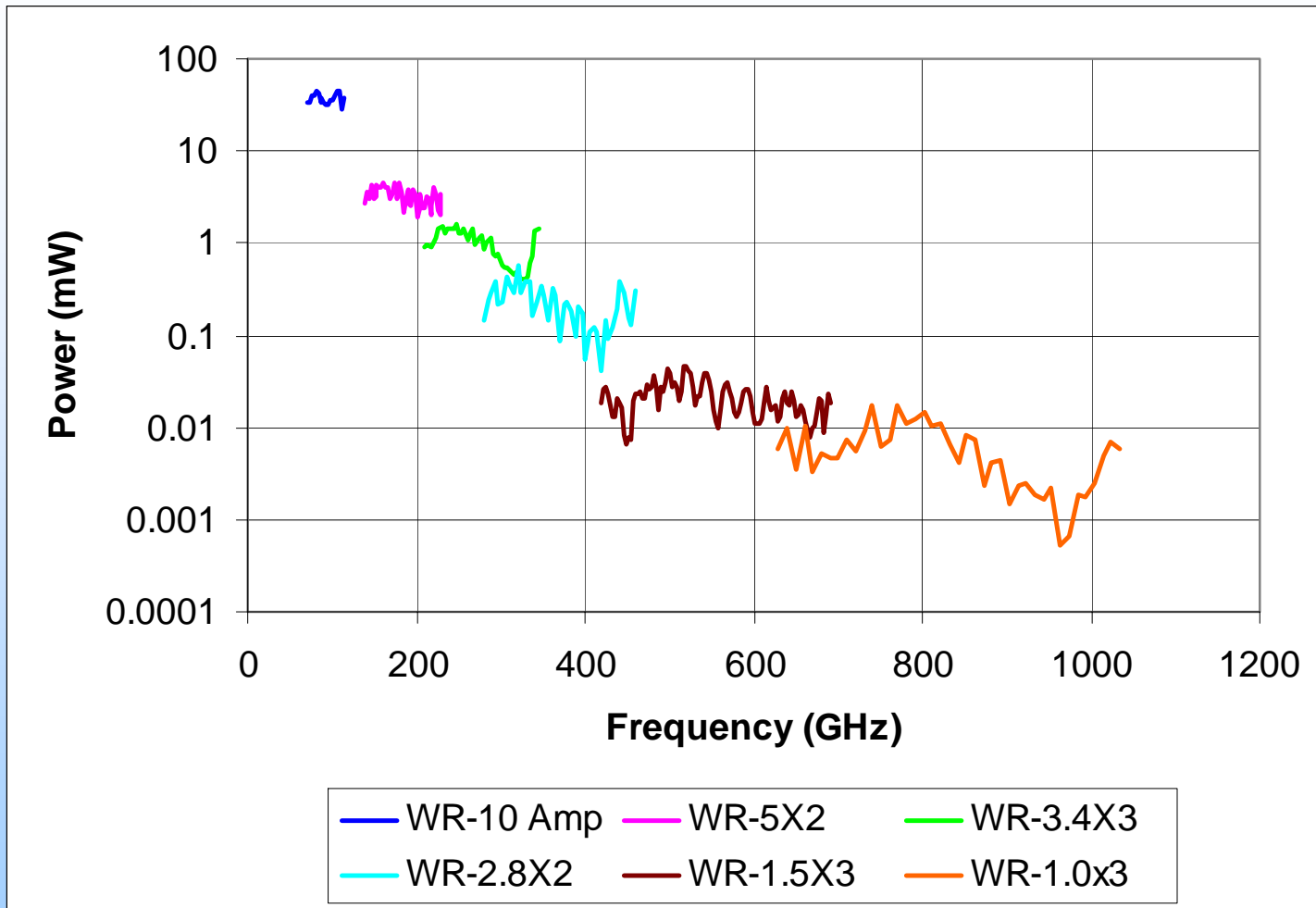
- Series of cascaded multipliers and detectors
- Tunerless, instantaneous sweeping over > 40% bandwidth
  - Rapidly interchangeable components



[www.virginiadiodes.com](http://www.virginiadiodes.com)

VDI Scalar Analyzer  
General Information:  
[info@virginiadiodes.com](mailto:info@virginiadiodes.com)

# 140-900 GHz Scalar Analyzer: Output Power



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VDI Scalar Analyzer  
General Information:  
[info@virginiadiodes.com](mailto:info@virginiadiodes.com)

# 140-900 GHz Scalar Analyzer

## Source Bands and Power

Waveguide Band	Frequency (GHz)	Power (mW typ.)
WR-5.1	140-220	2.5
WR-3.4	220-330	0.75
WR-2.8	265-450	0.15
WR-1.5	450-750	0.02
WR-1.0	750-1000	0.004

## Detector Bands and Responsivity

Detector Band	Frequency (GHz)	Responsivity (V/W typ.)
WR-5.1	140-220	1750
WR-3.4	220-330	1500
WR-2.8	265-450	1250
WR-1.5	500-750	500
WR-1.2	600-900	250



- Excellent dynamic range
- Highly flexible system
  - AM & FM modulation
- Frequency resolution 1-5 MHz
  - High resolution option is available



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VDI Scalar Analyzer

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