



Patented QS2 Terahertz Systems are on sale until the end of the year

Eugene, OR October 26, 2011. Microtech Instruments, Inc., is pleased to announce that it received a US patent for high efficiency QS2 THz sources combined with frequency multipliers. As a promotion of this technology, Microtech will offer a 20% discount to all QS2 based products until December 31, 2011. QS2 systems are now available with a bolometer detector as an alternative to Golay Cells.

QS2 products are based on millimeter wave backward wave oscillators (BWOs) combined with a set of frequency multipliers that extend spectral range of BWO from 100-180 GHz to 0.2-1.5 THz. First introduced in 2007, QS2 systems gained good acceptance among the clients, who recognized many advantages of this compact and versatile THz source:

<http://www.mtinstruments.com/downloads/compact%20THz%20Generators%20Datasheet.pdf>

"Development of THz sources based on BWOs combined with frequency multipliers was partly funded by an SBIR project back in 2006", commented Dr. Vladimir Kozlov, Vice President of Microtech. "By optimizing impedance matching between waveguide coupled frequency multipliers and BWO output, we were able to achieve surprisingly high output power from these devices. We are pleased by a recent decision of the US patent office to recognize this invention."

This development is a result of a joint project between Microtech Instruments Inc., Virginia Diodes, Inc., and Prof. Frank DeLucia of Ohio State University. The project was partly funded by DARPA SBIR program (topic number SB062-002), initiated by Dr. Henry Everitt.

About Microtech Instruments, Inc.

Microtech Instruments is a leading manufacturer of THz components and systems, including THz spectrometers, generators and detectors. Committed to innovation, Microtech collaborates with leading research organizations worldwide.

For more information, visit www.mtinstruments.com or contact Renee Isley at sales@mtinstruments.com.