



Press Release

June 2nd, 2009

Giga-tronics introduces new high-performance Microwave Signal Generators providing fast switching with high purity signals from 100 kHz to 50 GHz

SAN RAMON, Calif.— June 2nd, 2009—

Giga-tronics has introduced the 2500B series Microwave Signal Generators which cover 100 kHz to 50 GHz, with extremely low phase noise, high rejection of harmonics, sub-harmonics and spurious, high output power level and all with the

fast frequency switching that Giga-tronics is famous for. Six models are available covering 2.5 GHz, 8 GHz, 20 GHz, 26.5 GHz, 40 GHz and 50 GHz. The new 50 GHz model is the flagship of the product line, offering a combination of fast switching speed and low phase noise not previously available.



The Giga-tronics 2500B design team optimized the design for no compromise between speed and signal purity. Giga-tronics' patented Accumulator High Frequency Feedback (AHFF™) technology delivers fast switching speed, typically less than 500 μ s for a 1 GHz step and as fast as 100 μ s for small steps, better than 10 times faster than its nearest low noise competitor. The outstanding close to carrier phase noise in the new series achieves specifications of -90 dBc/Hz @ 100 Hz, better than its nearest competitor, and -102 dBc/Hz @ 1 kHz offset on a 10 GHz carrier frequency, making the 2500B ideal for radar and EW applications, where close to carrier effects on Doppler systems are becoming very relevant for slow moving targets. The generator noise performance continues to excel at a 10 KHz offset with a typical performance of -110 dBc/Hz.

“The 2500B series is focused on the many applications in aerospace and defense, commercial communications including satellite and microwave link, and microwave component test that require

signal generators with agility and superior signal purity” said Malcolm Levy, vice president of Sales and Marketing of Giga-tronics Incorporated. “We have already demonstrated to customers that with the high speed performance of this generator we can significantly reduce their test times; an enormous benefit for improved productivity.”

The Giga-tronics 2500B Output Power is noteworthy with +11 dBm at 50 GHz in the standard model without a need for optional high power versions. For those applications that require much higher power, Giga-tronics offers a line of companion microwave power amplifiers offering a 1db compression point of +40 dBm to 10 GHz, +35 dBm to 20 GHz, +23 dBm to 40 GHz and +20 dBm to 50 GHz.

About Giga-tronics Incorporated:

Founded in 1980, Giga-tronics Incorporated is a publicly held company, traded on the NASDAQ Capital Market under the symbol “GIGA”. Giga-tronics is a leading engineering and design manufacturer of best-in-class RF and microwave signal generators, power amplifiers, power meters, and USB power sensors and broadband switching matrices. Research and Development production and calibration managers, scientists, engineers and technicians around the world use Giga-tronics test equipment and realize higher productivity and greater ease of use in many applications: ATE systems, aerospace and defense communications and general component test. URL: www.gigatronics.com.

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