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Gallium Nitride (GaN) Process Design Kit enables development of high-performance MMICs…

NITRONEX RELEASES GAN MMIC PROCESS DESIGN KIT

Durham, NC (May 25, 2010) - Nitronex, a leader in the design and manufacture of gallium nitride (GaN) based RF solutions for high performance applications in the defense, communications, and industrial & scientific markets, announces the release of the NRF1 MMIC Process Design Kit (PDK) for Agilent's Advanced Design System (ADS). Nitronex's high-performance 0.5 micron GaN HEMT technology, as well as this PDK, provides the necessary active and passive elements to enable the development of monolithic power amplifiers operating up to 6 GHz.

"We are pleased to announce the release of our NRF1 MMIC PDK. We developed the PDK in collaboration with our strategic foundry partners who require high-performance broadband solutions through 6 GHz," said Ray Crampton, Vice President of Engineering for Nitronex. "The functionality and accuracy offered by the multiple types of scalable active and passive elements included in the process design kit are enabling our strategic foundry partners, as well as Nitronex engineers, to realize the full potential of MMIC products with our NRF1 technology."

For active elements, the PDK offers fixed and geometrically-scalable GaN HEMTs, as well as scalable multi-finger Schottky diodes. For passive elements, epi and TFR resistors, circular and square inductors, as well as circular and rectangular MIM capacitors are available. The PDK also offers a full transmission line library including backside vias.

About Nitronex

Nitronex Corporation is an innovative leader in the design and manufacture of gallium nitride (GaN) based RF solutions. Nitronex is the pioneer in developing high performance gallium nitride on silicon (GaN-on-Si) semiconductor solutions using its proprietary SIGANTIC® manufacturing process. Nitronex products enable high performance applications in the defense, communications, and industrial & scientific markets. An ISO-9001 certified manufacturer, Nitronex was founded in 1999 and is headquartered in Durham, NC. Nitronex holds 24 patents with 15 others pending. For more information, please visit the Nitronex web site at www.nitronex.com.

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