

Power Integrations to Act as Sales Representative for SemiSouth Silicon Carbide Diodes and JFETs

11/2/2011

Deal expands Power Integrations' product portfolio; drives sales for leading SiC manufacturer in USA, China, Taiwan, Japan, Korea and India

SAN JOSE, Calif.--(BUSINESS WIRE)-- Power Integrations (Nasdaq: **POWI**), the leader in high-voltage integrated circuits for energy-efficient power conversion, today announced an agreement with SemiSouth Laboratories to act as a sales representative for SemiSouth's innovative range of silicon carbide (SiC) diodes and JFETs worldwide with the exception of Europe.

SemiSouth's SiC diodes and JFETs deliver significant efficiency and durability benefits in high-power applications such as solar inverters, motor drives, telecom rectifiers, UPSs, three-phase inverters and electric vehicles. In 2010, Power Integrations announced a strategic investment in the Mississippi-based SiC producer, which included an equity investment, a technology license and other financial commitments to support the continued expansion of SemiSouth's SiC manufacturing operations.

Comments Ben Sutherland, vice president of sales at Power Integrations: "SemiSouth's rugged, ultra-efficient SiC JFETs and diodes are a natural extension of our product line, perfectly complementing products such as **TOPSwitch™** and **TinySwitch™** which are used in standby power supplies for many high-power systems. With the SemiSouth SiC JFET and diode portfolio, we will be able to address the main power conversion and inversion circuits in those same applications by replacing silicon diodes, MOSFETS and IGBTs with higher-performance SiC technology."

Added Dieter Liesabeths, vice president of sales for SemiSouth: "The growth of applications that benefit from extremely high levels of efficiency, such as solar energy and electric vehicles, is creating significant opportunities for

our high-efficiency SiC power devices. This agreement with Power Integrations will substantially increase our sales and support bandwidth in regions where PI has a very robust presence."

SemiSouth devices are available worldwide through **Farnell** and **Newark** as well as **local distributors**. Technical information is available online on the **SemiSouth** and **Power Integrations** websites and at **Power Integrations' regional sales offices**.

About Power Integrations

Power Integrations is the leading supplier of high-voltage integrated circuits used in energy-efficient power conversion. The company's innovative technology enables compact, energy-efficient power supplies in a wide range of electronic products, in AC-DC, DC-DC, and LED lighting applications. Since its introduction in 1998, Power Integrations' EcoSmart™ energy-efficiency technology has saved an estimated \$5 billion of standby energy waste and prevented millions of tons of CO2 emissions. The company's **Green Room** web site provides a wealth of information about "energy vampires" and the issue of standby energy waste, along with a comprehensive guide to energy-efficiency standards around the world. Reflecting the environmental benefits of EcoSmart technology, Power Integrations' stock is included in The Cleantech Index® and the NASDAQ® **Clean Edge**® Green Energy Index. For more information, please visit www.powerint.com.

About SemiSouth Laboratories, Inc.

SemiSouth, a privately owned corporation with its main offices and foundry in Starkville, Mississippi, (USA), focuses on silicon carbide (SiC) power devices and electronics, targeting applications such as: solar inverters, power conversion in computing and network power supplies; variable-speed drives for industrial motors and hybrid electric vehicles; and products used in high-power, harsh-environment military and aerospace environments. The company was formed in 2000, has sold products globally through direct sales or distributors since 2005, and received a major growth investment from Power Integrations (NASDAQ: **POWI**) in 2010. It introduced the world's first commercial, cost-effective normally-off SiC JFETs in 2008, which have enabled world-record energy efficiencies for its customer's products. More information is available at www.semisouth.com.

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Source: Power Integrations, Inc.

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