

**FOR IMMEDIATE RELEASE**  
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*Press Release*

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## **Zero Recovery Rectifier Boosts Efficiency in Computer Power Supplies**

DURHAM, NC, OCTOBER 11, 2007 — Cree, Inc. (Nasdaq: CREE), a market leader in silicon carbide (SiC) power semiconductors, today announced release of a new 8-amp, Zero Recovery® rectifier that significantly increases power-supply efficiency in computer servers. The new CSD08060 Schottky diode extends Cree's leadership in rectifiers that save energy while boosting power-supply performance.

The CSD08060 8-amp SiC rectifier also expands Cree's Zero Recovery product line, which includes 600-V diodes with 1A, 2A, 4A, 6A, 10A, and 20A ratings. Compared with traditional silicon-based diodes, Cree SiC-based rectifiers can:

- Simplify PFC Boost design
- Eliminate the need for snubbers
- Reduce power losses, leading to cooler operating temperatures
- Produce significantly less electromagnetic interference (EMI)
- Offer faster switching speeds without reverse recovery currents
- Enable streamlined circuit design resulting in smaller board size and component counts
- Allow higher power density designs for compact power supplies for high performance applications

“Cree is taking a leadership role in solving a significant global energy problem — the increasing power demands from large server farms. Our new Schottky diode can significantly improve the efficiency of the power factor correction circuits used in switch mode power supplies,” said John Palmour, Cree executive vice president of advanced devices. “By replacing silicon-based rectifiers with the new 8-amp SiC Zero Recovery rectifier, power supply manufacturers can cut power losses by at least 10 percent in a typical 1kW server power supply.”

The Cree CSD08060 is available in production quantities. Additional information about Cree Silicon Carbide Zero Recovery rectifiers may be obtained by calling Cree at 919-287-7836 or by visiting [www.cree.com](http://www.cree.com).

**About Cree, Inc.**

Cree is a market-leading innovator and manufacturer of semiconductors and devices that enhance the value of solid-state lighting, power and communications products by significantly increasing their energy performance and efficiency.

Key to Cree's market advantage is its world-class materials expertise in SiC and GaN for chips and packaged devices that can handle more power in a smaller space while producing less heat than other available technologies, materials and products. Cree drives its increased performance technology into multiple applications, including exciting alternatives in brighter and more-tunable light for general illumination, backlighting for more-vivid displays, optimized power management for high-current, switch-mode power supplies and variable-speed motors, and more-effective wireless infrastructure for data and voice communications.

Cree customers range from innovative lighting fixtures makers to defense-related federal agencies. Cree's product families include blue and green LED chips, lighting LEDs, LEDs for backlighting, power-switching devices and radio-frequency/wireless devices. For product specifications please refer to [www.cree.com](http://www.cree.com).

This press release contains forward-looking statements involving risks and uncertainties, both known and unknown, that may cause actual results to differ materially from those indicated. Actual results may differ materially due to a number of factors, such as the risk we may encounter delays or other difficulties in ramping up production of our new products; the risk we may be unable to manufacture these products with sufficiently low cost to offer them at competitive prices or with acceptable margins; the rapid development of new technology and competing products that may impair demand or render our products obsolete; the potential lack of customer acceptance for the products; variations in demand for Cree's products and its customers' products; and other factors discussed in Cree's filings with the Securities and Exchange Commission, including its report on Form 10-K for the year ended June 24, 2007, and subsequent filings.

Cree and Zero Recovery are registered trademarks of Cree, Inc.

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