

# NEWS RELEASE



## EDITORIAL CONTACT:

Rodd Novak, V.P., Marketing  
(858) 731-9464

Cindy Trotto, Marketing Communications Manager  
(602) 750-7203

[www.psemi.com](http://www.psemi.com)

**See us at MTTs International Microwave Symposium  
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**9450 Carroll Park Drive  
San Diego, CA USA 92121  
858-731-9400**

**Reader/Literature Inquiries:**  
Richardson Electronics  
1-800-737-6937

## FOR IMMEDIATE RELEASE

### **Peregrine Semi and OKI Achieve Record UltraCMOS™ RFIC Output**

**San Diego, California, June 5, 2007** -- Peregrine Semiconductor Corporation, a leading supplier of high-performance RF CMOS and mixed-signal communications ICs and OKI Electric Industry Co., Ltd. (TSE:6703), today announced that their collaborative efforts toward the ramp and manufacture of 0.5  $\mu\text{m}$  UltraCMOS™ RFICs in OKI's fabrication facility has completed qualification by Peregrine's major customers and OKI is now shipping in high-volume. This is a significant milestone, set in the early technology transfer process which began three years ago. When combined with the manufacturing capacity of Peregrine's wholly-owned wafer fab in Sydney, Australia, enormous production capability exists. Collectively, the two companies are manufacturing 2.5 million UltraCMOS devices per week.

Today's news is a result of the foundry sourcing agreement between the companies which combines Peregrine's UltraCMOS process technology and RF design expertise with OKI's high volume manufacturing capability. The RFIC devices manufactured in Oki's Miyazaki facility are shipped globally to a wide variety of customers in the mobile handset, digital television, and communications infrastructure markets.

Since UltraCMOS products are manufactured on standard CMOS process equipment, the scalability benefit is being reaped; deployment of 0.25  $\mu\text{m}$  UltraCMOS, which is in production at Peregrine's Australia facility, is well underway with OKI. Concurrently, the two companies are jointly developing 0.25  $\mu\text{m}$  products at Peregrine's design facilities in San Diego, CA and Chicago, IL. Product manufacturing of 0.25  $\mu\text{m}$  UltraCMOS products will be independently maintained at Peregrine's facility in Sydney, Australia and at OKI facilities in Miyazaki, Japan.

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## ADD ONE – PEREGRINE/OKI PRODUCTION RAMP

“Establishing UltraCMOS as a dominant high-performance RF technology is only a matter of time, and by combining strengths with OKI we have greatly advanced the timeline,” stated Jim Cable, CEO of Peregrine Semiconductor Corp. “OKI’s deep resources, manufacturing expertise and packaging technology will allow for the acceleration of product deployment and technology advancement,” he added.

“OKI fabrication facilities provide an order of magnitude increase in capacity to Peregrine,” stated Yuki Ushida, Operating Officer of OKI Semiconductor. “Our present manufacturing support will increase by supporting production of ten new UltraCMOS products this year,” he added.

Peregrine has brought to market a variety of innovative UltraCMOS RF ICs throughout the recent years – devices which deliver performance objectives set by market leaders with highly stringent RF design requirements. These companies include global cellular powerhouses such as Nokia and Motorola; navigation/communications experts including Garmin; as well as CATV/DTV leaders Samsung and Xuguang.

### **About UltraCMOS™ Technology and the HaRP™ Technology Invention**

UltraCMOS™ mixed-signal process technology is a proprietary, patented variation of silicon-on insulator (SOI) technology on a sapphire substrate providing with high yields and competitive costs. It combines the RF, mixed-signal, and digital capabilities of any other CMOS process, yet tolerates the high power required for high-performance wireless applications. The Company’s revolutionary HaRP™ technology enables dramatic improvements in harmonic results, linearity and overall RF performance; specifications required by the 3GPP standards body for GSM/WCDMA applications which are unmatched in the industry. In particular, long-awaited accomplishments in Intermodulation Distortion (IMD) handling are now available monolithically to multi-band front-end module and handset manufacturers. These significant performance advantages exist over competing processes such as GaAs, SiGe, BiCMOS and bulk silicon CMOS in applications where RF performance, low power and integration are paramount.

### **About Peregrine Semiconductor**

Peregrine Semiconductor Corporation designs, manufactures, and markets high-performance communications RF ICs for the wireless infrastructure and mobile wireless; broadband CATV/DTV; communications infrastructure; and aerospace and avionics markets. Manufactured on the Company’s proprietary UltraCMOS™ mixed-signal process technology, Peregrine products are uniquely poised to meet

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## ADD TWO – PEREGRINE/OKI PRODUCTION RAMP

the needs of a global RF design community in high-growth applications such as WCDMA, EDGE and GSM digital cellular, broadband, DTV, DVR and rad-hard space and defense programs. Peregrine UltraCMOS devices are manufactured in its CMOS facility located in Sydney, Australia and in Tokyo, Japan through an alliance with OKI Electric Industry Co., Ltd. The Company, headquartered in San Diego, California, maintains global sales support operations and a worldwide technical distribution network. Additional information is available on the web at [psemi.com](http://psemi.com). Contact Peregrine's worldwide distribution partner, Richardson Electronics (NASDAQ: RELL), for sales information at 1-800-737-6937.

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