

NEWS RELEASE



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**SEE PEREGRINE SEMICONDUCTOR
AT MTT IMS 06 San Francisco Booth #2135
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FOR IMMEDIATE RELEASE

Peregrine PE42742 75Ω RF Switch Delivers Broadband High-Performance

Solid state relay maintains extremely high isolation even when un-powered

San Diego, California, June 12, 2006 -- Peregrine Semiconductor, a supplier of the industry's most advanced RF CMOS integrated circuits, today announced availability of the RoHS-compliant PE42742 high-performance RF switch for broadband applications. Designed to exceed the strict FCC 15.115 regulations, this 75-Ohm Single-Pole, Double-Throw (SPDT) device offers the industry's highest isolation of 88 dB @ 216 MHz and 78 dB @ 806 MHz. A unique design feature allows the device to maintain its isolation levels even in the un-powered state, which is one of the more stringent requirements of FCC compliance for CATV to antenna isolation.

"The PE42742 showcases the exceptional linearity and isolation benefits of UltraCMOS™, which enables high-value, innovative RF ICs with outstanding performance for the broadband industry," said Rodd Novak, Peregrine's Vice-President of Marketing. "This product addresses the technical challenges of the DTV, TV and DVR industries, and has received excellent response from engineers designing for these end-products. Further, the high-performance UltraCMOS foundation has made the PE42742 a viable solution for other types of broadband applications," he added.

PE42742 features high IIP3 (50 dBm @ 5 MHz–1 GHz); high IIP2 (90 dBm @ 5 MHz–1 GHz); CTB of -90 dBc; and high ESD tolerance of 1.0 kV HBM. The device also offers a unique "terminated" and "closed" unpowered modes making it ideal for any DTV, TV, DVR or set-top box where reflected signals in the off state can distort local images or for DVR and gaming platforms where the CATV signals must pass through the unit when unpowered.

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ADD ONE/PE42742 Broadband RF Switch

The PE42742 is available in the 4x4mm 20-lead QFN package and is priced at \$1.67 ea. in 10K quantity orders. Products samples and volume production are available now through Peregrine and its worldwide distribution partner, Richardson Electronics.

About UltraCMOS™ Technology

UltraCMOS™ mixed-signal process technology is a patented variation of silicon-on-insulator (SOI) technology on a sapphire substrate providing with high yields and competitive costs. This technology delivers significant performance advantages 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 ICs for the wireless infrastructure and mobile wireless; broadband communications; space, defense and avionics markets. Manufactured on the Company's proprietary UltraCMOS™ mixed-signal process technology, Peregrine products are uniquely poised to meet the needs of a global RF design community in high-growth applications such as WCDMA and GSM digital cellular, broadband, DTV, DVR and rad-hard space and defense programs. Peregrine 0.25µm and 0.5µm UltraCMOS devices are manufactured in its 6" 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. Contact Peregrine's worldwide distribution partner, Richardson Electronics (NASDAQ: RELL), for sales information at 1-800-737-6937.

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