

NEWS RELEASE



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FOR IMMEDIATE RELEASE

Peregrine Semi PE4274 CATV Switch breaks barriers Maintains extremely high isolation even when un-powered

San Diego, California, November 19, 2004 -- Peregrine Semiconductor Corporation, a leading supplier of high-performance RF CMOS and mixed-signal communications ICs, today announced availability of the PE4274 CATV Switch for broadband applications. Designed to exceed the strict FCC 15.115 regulations, this 75-ohm device offers the industry's highest isolation of 80 dB @ 250 MHz and 70 dB @ 750 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 PE4274 highlights Peregrine's ability to deliver leading-edge RF ICs providing innovation and exceptional value to the broadband industry," said Jim Cable, Peregrine's CEO and president. "The product was developed in unison with the DTV, TV and DVR industries and has received excellent traction with engineers designing for these end-products. Further, the high-performance UltraCMOS™ process technology foundation has made the PE4274 a viable solution for other types of broadband applications," he added.

PE4274 features high IIP3 (55 dBm @ 5 MHz–1 GHz); high IIP2 (80 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/PE4274 CATV Switch

The PE4274 is available in the 4x4mm 20-lead QFN package and is priced at \$2.46 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. It is the first commercially qualified use of Ultra-Thin-Silicon (UTSi®) on sapphire substrates with high yields and competitive costs. 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. [Learn more.](#)

About Peregrine Semiconductor

Peregrine Semiconductor Corporation designs, manufactures, and markets high-performance communications ICs for the wireless, broadband cable communications, satellite and defense markets. The Company, which recently moved its headquarters to a larger San Diego, California facility, maintains established design centers and operations in Chicago, IL; Aix-en-Provence, France; Sydney, Australia; and Tokyo, Japan. 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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微波光电部专业代理经销高频、微波、光纤、光电元器件、组件、部件、模块、整机；电磁兼容元器件、材料、设备；微波 CAD、EDA 软件、开发测试仿真工具；微波、光纤仪器仪表。欢迎国外高科技微波、光纤厂商将优秀产品介绍到中国、共同开拓市场。长期大量现货专业批发高频、微波、卫星、光纤、电视、CATV 器件：晶振、VCO、连接器、PIN 开关、变容二极管、开关二极管、低噪晶体管、功率电阻及电容、放大器、功率管、MMIC、混频器、耦合器、功分器、振荡器、合成器、衰减器、滤波器、隔离器、环行器、移相器、调制解调器；光电子器件和组件：红外发射管、红外接收管、光电开关、光敏管、发光二极管和发光二极管组件、半导体激光二极管和激光器组件、光电探测器和光接收组件、光发射接收模块、光纤激光器和光放大器、光调制器、光开关、DWDM 用光发射和接收器件、用户接入系统光收发器件与模块、光纤连接器、光纤跳线/尾纤、光衰减器、光纤适配器、光隔离器、光耦合器、光环行器、光复用器/转换器；无线收发芯片和模组、蓝牙芯片和模组。

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