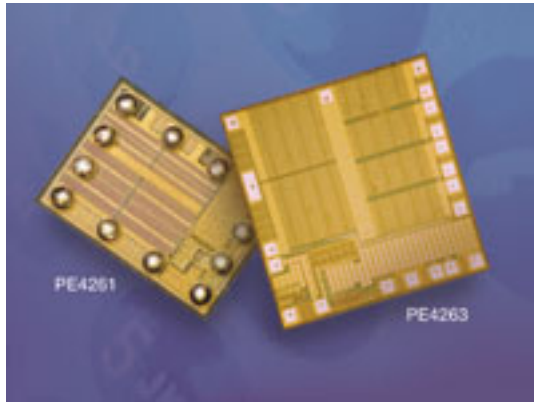


RF Antenna Switch



Peregrine Semiconductor announces the PE4263 SP6T RF antenna switch and the SP4T PE4261 RF antenna switch. The PE4263 switch provides a unique, high-performance solution to the quad-band GSM handset Antenna Switch Module (ASM) market by offering high power at 41 dBm P1dB; high linearity of 65 dBm IP3; and monolithic integration of key elements including a control logic decoder and driver. The 50Ω PE4261 complements the PE4263 switch with features including: two-pin CMOS logic control inputs; low TX insertion loss of 0.55 dB at 900 MHz and 0.65 dB at 1.9 GHz; high resolution of 45 dB at 900 MHz and 40 dB at 1.9 GHz; low harmonics ($2f_0 = \pm 85$ dBc and $3f_0 = \pm 72$ dBc at 35 dBm input power); 1500 V HBM ESD tolerance at all ports; an integrated CMOS decoder/driver and RX SAW over voltage protection circuit. Peregrine's 50-Ohm PE4263 2.6 V RF switch operates from 100 - 3000 MHz and provides features, including 1500 V ESD tolerance at all ports; no blocking capacitors; 45 dB of isolation; low insertion loss of 0.55 dB at 915 MHz; and fast switch settling time.

Peregrine Semiconductor Corporation

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<http://www.wirelessdesignmag.com/product-releases/2004/10/rf-antenna-switch>