

## SNOWBUSH MICROELECTRONICS ANNOUNCES SILICON VERIFIED 6-BIT, 2.5 GSPS, ADC IP CORE IN 90NM CMOS PROCESS

**Toronto, August 21, 2007** – SNOWBUSH microelectronics, a leading supplier of SERDES and other high performance analog IP in the most advanced CMOS technologies, today announced the availability of a silicon proven, 6-bit, 2.5 GSPS ADC IP core for the most demanding data-conversion applications.

SNOWBUSH's 6-bit ADC is compact, low-power, and by utilizing its high bandwidth sample-and-hold front-end, it maintains excellent dynamic performance throughout the full range of input frequencies. The ADC features INL of 0.59 LSB, DNL of 0.51 LSB, and ENOB of 5.2 or greater for sampling clock frequencies up to 2.5 GHz. The ADC occupies a silicon area of 0.43mm<sup>2</sup>.

“This ADC will enable product developers to reduce system costs by including the high performance converter they need in their next ASIC instead of using a more power hungry external component,” said SNOWBUSH Vice President of Sales and Marketing, Paul Layman. “It is ideally suited for a variety of applications that require excellent matching between multiple ADC's, such as I-Q radios, and it doesn't require any expensive analog process options”

The state-of-the-art ADC utilizes automatic calibration of key analog blocks to ensure performance over variations in process, voltage, and temperature. The ADC features on-chip power-supply regulation for robust noise immunity within large digital SOC's. Several power-down modes are provided to minimize power consumption.

### **About SNOWBUSH microelectronics**

SNOWBUSH microelectronics, a privately held company founded in 1998, is a leading supplier of analog design services and customizable high performance analog IP including a variety of silicon proven high speed SerDes. Combining a large pool of experienced design talent with leading edge analog design practices and best in class project management techniques, SNOWBUSH delivers the critical custom analog circuits needed to meet aggressive project schedules. Please contact SNOWBUSH sales by phone at +1-416-925-5643 x239, by Email at [sales@snowbush.com](mailto:sales@snowbush.com) or on the World Wide Web at [www.snowbush.com](http://www.snowbush.com).

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