

## For Consumer Electronics: **New Triaxial Accelerometer SMB365 from Bosch Sensortec**

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- ▶ Very small size of only 4x4x1.2mm<sup>3</sup>
- ▶ Ultra low power input of 600µA when activated and 5µA in standby mode

Bosch Sensortec has developed a new triaxial accelerometer – the SMB365. This new sensor is specifically designed for consumer electronics applications. Samples are already available now; mass production is going to start in the fourth quarter of 2006. The SMB365 will be presented for the first time at Sensors Expo, taking place in Rosemont/USA from 5-7 June 2006.

The SMB365 meets all important requirements of components for consumer electronics such as small packaging and very low power consumption. Its size is only 4x4x1.2mm<sup>3</sup>. When using the SMB365, just 3 external capacitors are needed, which saves additional board space. The sensor works at a very low power input of 600µA when activated and 5µA in standby mode. Furthermore, the SMB365 is characterized by non-linearity and low signal coupling between the different axes and comes with an integrated complete self-testing function.

Communication is managed via a digital interface for an uncomplicated designing-in process. So the SMB365 can be easily integrated into applications such as gaming devices or other mobile applications. The interrupt feature of the SMB365 offers additional special advantages for mobile applications such as a battery saving mode or free-fall detection.

## **About Bosch Sensortec GmbH**

Bosch Sensortec, a wholly owned subsidiary of Robert Bosch GmbH, which is the global market leader for automotive sensors, offers micromechanical sensors, application, and foundry services for consumer electronics, medical technology, security systems, and logistics. The company was founded early in 2005 and is headquartered in Kusterdingen, near Reutlingen (Germany).

Bosch has been active in the field of MEMS since 1988 and is one of the pioneers of this technology. Today, a couple of hundreds of engineers of the Bosch Group work in the field of MEMS technology. Bosch offers a broad variety of different sensor types for the automotive industry – ranging from pressure and acceleration sensors to yaw-rate sensors. Annual production at Bosch amounted to more than 100 million MEMS sensors in 2005. To find out more about Bosch Sensortec please visit. [www.bosch-sensortec.com](http://www.bosch-sensortec.com).

### **Contact person for readers inquiries:**

Jörg Schiffer, Phone: +49 7121 35-35920

### **Contact person for press inquiries:**

U.-Malte Wuensch, Phone: +49 711 811-7204

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*Additional information can be accessed at [www.bosch.com](http://www.bosch.com).*