

PRESS INFORMATION

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Avnet Memec upgrades its Portfolio with a new module of Maxim

Poing, 25th August 2009 - Avnet Memec, the highly specialised semiconductor distributor of Avnet Electronics Marketing EMEA, introduces the new very-low-IF, superheterodyne receiver for ASK/OOK data in the 300MHz to 450MHz frequency range from Maxim Integrated Products.

Only requiring a few external components to implement a complete receiver-chain solution, this device integrates an LNA; self-contained PLL block; 400 kHz IF filter with RSSI; and analog baseband, data-recovery circuitry. To ensure excellent, consistent receiver sensitivity of -109dBm, these critical blocks have been designed to operate over the -40°C to +105°C temperature range. The MAX7036 is ideal for applications such as remote keyless-entry systems, car alarms, home security systems, remote controls, and garage door openers.



The MAX7036 requires few external components and has a power-down pin to put it in a low-current sleep mode, making it ideal for cost- and power-sensitive applications. The integration of the IF filter eliminates the need for an external ceramic filter, thus reducing the bill of materials. The device also contains an automatic gain control (AGC) circuit that reduces the LNA gain by 30dB when the input signal power is large.

The MAX7036 operates from either a 3.3V or 5V power supply. It draws less than 1µA (typ) in shutdown mode, and only 5.5mA (typ) in receive mode. Fully specified over the -40°C to +105°C temperature range, the MAX7036 is available in a 20-pin TQFN package.

About Avnet Memec

Avnet Memec, a business unit of Avnet Electronics Marketing EMEA, is a highly specialised semiconductor distributor, operating on a pan-European basis and employing a significant number of engineers to support customers' design efforts. Avnet Memec specialises in highly innovative suppliers and technologies, which will help a variety of customers to differentiate their designs. Its area of specialisation extends from Analog and Microcontrollers to RF, Datacom and Networking. The business unit operates out of 31 offices in 19 European countries and represents major semiconductor franchises on a pan-European basis. www.avnet-memec.eu

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