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300MHz to 450MHz ASK Receiver with Internal IF Filter



The **MAX7036 low-cost receiver** is designed to receive amplitude-shift-keyed (ASK) and on-off-keyed (OOK) data in the 300MHz to 450MHz frequency range. The receiver has an RF input signal range of -109dBm to 0dBm.

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 low-noise amplifier (LNA), phase-locked loop (PLL), mixer, IF filter, received-signal-strength indicator (RSSI), and baseband sections are all on-chip. The MAX7036 uses

a very-low intermediate frequency (VLIF) architecture. The MAX7036 integrates the IF filter on-chip and therefore eliminates an external ceramic filter, reducing the bill-of-materials cost. The device also contains an on-chip automatic gain control (AGC) that reduces the LNA gain by 30dB when the input signal power is large. The MAX7036 operates from either a 5V or a 3.3V power supply and draws 5.5mA (typ) of current.

The MAX7036 is available in a 20-pin thin QFN package with an exposed pad and is specified over the AEC-Q100 Level 2 (-40°C to +105°C) temperature range.

Read more at [Maxim](#)

Add Plug-And-Go Wireless to remote monitoring & rural Internet applications



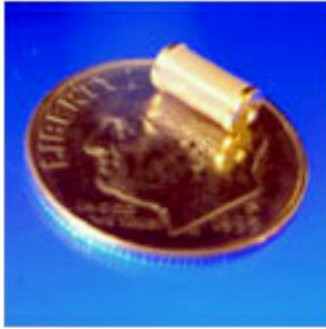
The **Enfora GSM1308 SA-G+ Quad Band** is a type approved quad-band GSM/GPRS network edge platform that enables simple integration through a serial connection. Its flexible design allows system integrators to address multiple markets and geographies with a single design.

Key Features

- Compact, economical standalone IP platform
- Full GSM/GPRS/EDGE voice and data features
- Simple serial or USB connectivity
- Auto-registration on start-up
- Modem-management software supports Windows® XP, Professional 2000 and 98

Read more at [Enfora](#)

Omnidirectional tilt and vibration movement sensor



The SQ-SEN-200 sensor acts like a normally closed switch which chatters open and closed as it is tilted or vibrated. Unlike other rolling-ball sensors, the 200 is truly an omnidirectional movement sensor. It will function regardless of how it is mounted or aligned. SQ-SEN sensors have become the industry standard for GPS and RFID tracking applications, where they provide intelligent power management to interrupt and "wake-up" a microcontroller when activity is sensed.

These sensors are designed to be extremely low power, consuming virtually no power when at rest and generating a digital output when moved. They are fully passive, require no signal conditioning, and can be used in a triggering circuit that draws as little as 0.25uA of continuous current.

Read more at [Signalquest](#)

Bel's MagJack® Connector Modules



Marketed under the MagJack® brand name, these highly integrated devices combine our network magnetics with combinations of RJ45 and USB connectors. In addition to connectivity, these modules provide the signal conditioning, electro-magnetic interference suppression and signal isolation previously performed by multiple, discrete magnetic components. MagJack ICMs have rapidly evolved into an extensive product line of single and multi-port solutions. These products also feature an extensive variety of innovative mechanical packaging, some of which have become de facto industry standards.

Bel's original line of ICMs has been expanded with the addition of products acquired from the purchase of Stewart Connector.

Read more at [Bel](#)

APPLICATION
NOTES

Reference Design for a Signal-Lamp LED Driver ...

More: http://www.maxim-ic.com/appnotes.cfm/an_pk/4385



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