

## Silicon Tuner Addresses ISDB-T, DVB-T Signal Reception in Terrestrial TV Apps



Maxim Integrated Products' MAX2136, a digital terrestrial television tuner for ISDB-T and DVB-T applications combines low power consumption with desirable performance, the device achieves a low noise figure of 3.8 dB while consuming 210 mW. Additionally, the tuner supports the reception of signals as large as 10 dBm while maintaining an sensitivity of -99 dBm. On-chip tracking filters, lowpass filters, and LNAs eliminate the need for expensive external components. The MAX2136 is appropriate for automotive TV systems, consumer LCD TVs, and portable navigation devices. The MAX2136 operates from a single 3 V supply and draws 70 mA (typ) when receiving ISDB-T 13-segment signals. Power consumption for DVB-T is the same as ISDB-T. The MAX2136 is packaged in a lead-free, 5 mm x 5 mm, 32-pin TQFN, and is fully specified over the -40°C to +85°C extended temperature range. Pricing starts at \$4.00 (1000-up).

Maxim Integrated Products  
800-998-8800, [www.maxim-ic.com](http://www.maxim-ic.com) [1]

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### Links:

[1] <http://www.maxim-ic.com>