

MAX1430

15-Bit 100Msps ADC

The MAX1430 is a 5V, high-speed, high-performance analog-to-digital converter (ADC) featuring fully differential wideband track-and-hold (T/H) inputs, driving a 15-bit converter core. The MAX1430 is optimized for multi-channel, multi-mode receivers which have very high dynamic performance requirements. This family of converters will also include products with lower sampling speeds (80Msps and 65Msps).

FEATURES:

- 100 / 80 / 65Msps Sampling Rates
- Excellent Dynamic Performance: (SNR, SFDR, IMD)
- Fully Differential Analog Input Accepts a $\pm 1.28\text{VP-P}$ Signal Swing
- Two's Complement Data Output
- Single 5V Supply
- Independent Output Driver Supply Range: 2.5V to 3.3V
- Data Valid Clock Output
- Flexible Input Clock Buffer

APPLICATIONS:

- Cellular Basestation Transceiver Systems (BTS):
 - Multi-Carrier Receivers
 - Multi-Standard Receivers
- E911 Location Receivers
- Power Amplifier Linearity Correction
- Instrumentation/ATE
- Radar

Preliminary information is available to qualified customers at http://www.maxim-ic.com/e-mail_max1430.cfm.