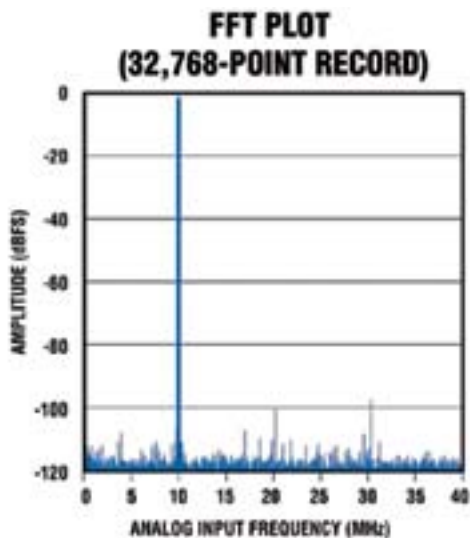


80 Ms/s ADC



Maxim Integrated Products announces the MAX19586, a 16-bit 80 Ms/s A/D converter (ADC). The MAX19586 offers impressive dynamic performance including a noise floor of ± 82 dBFS, 80 dB SNR, and 96 dBc spurious-free dynamic range (SFDR) at an input frequency of 10 MHz (± 2 dB input amplitude). This ADC can also sample input frequencies beyond 170 MHz. This 3.3 V ADC features a fully differential wideband track-and-hold (T/H) and a 16-bit converter core. Not only designed for desirable operation in the 2nd Nyquist region, the MAX19586 is also optimized for use with high-IF input frequencies. This makes the part suited for high-performance digital receivers. The device has a 1.8 V digital supply voltage and a 2.56 Vp-p full-scale input range.

Maxim Integrated Products

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