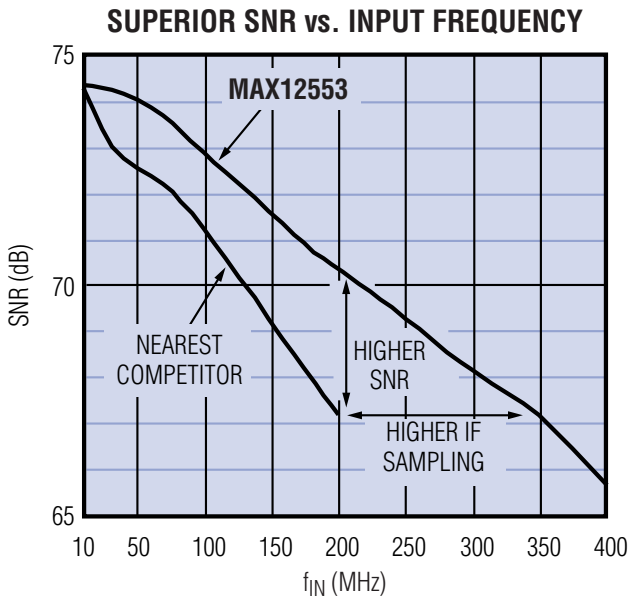
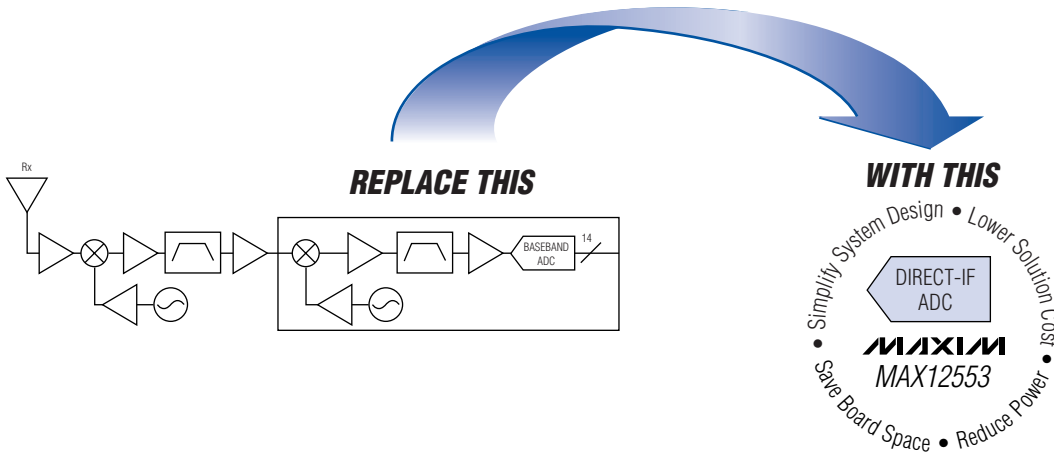


# 14-BIT 65Msps ADC DELIVERS 71dB SNR, 80.7dBc SFDR AT 175MHz

14-/12-Bit Direct Sampling ADCs Eliminate Intermediate RF-Downconversion Stages



- ◆ Direct-IF Sampling Up to 400MHz
- ◆ Excellent Dynamic Performance
  - ◆ SNR = 71.0dB at  $f_{IN} = 175\text{MHz}$
  - ◆ SFDR = 80.7dBc at  $f_{IN} = 175\text{MHz}$
- ◆ Low Power: 363mW at  $f_s = 65\text{Msps}$
- ◆ Compact: 40-Pin, Thin QFN Package
- ◆ Pin-Compatible 14-/12-Bit Versions

**MAXIM's DIRECT-IF SAMPLING ADCs**

Part	Resolution (Bits)	Speed (Msps)	SNR at $f_{IN} = 175\text{MHz}$ (dB)	Power (mW)
MAX12553	14	65	71.0	363
MAX1209	12	80	66.5	393
MAX1211	12	65	66.8	340



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