Achieve high precision on a tight power budget with the LTC6362. Designed to drive 16- and 18-bit SAR ADCs on a single 5V 1mA supply, this fully differential amplifier features 200µV max Vos, input-referred voltage noise of just 3.9V/√Hz, –116dBc distortion at 1kHz, and 18-bit settling in 550ns. The LTC6362 easily scales and shifts AC- or DC-coupled signals to the input range of the ADC. It is ideal for driving the 18-bit 1.6Msps LTC2379-18 ADC with a digital gain compression feature that sets the full scale range to 10% to 90% of the reference voltage. For optimal system performance, the LT5400 precision matched resistors maintain high accuracy over temperature and common mode voltage range.

**Part Number** | **Description**
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LTC6362 | 5mW, 18-bit settling in 550ns
LT6350 | ±5V, 1.9nV/√Hz, integrated resistors
LTC6247 | 1mA, 180MHz GBW
LTC6253 | 3.5mA, 720MHz GBW
LT6203 | 3.5mA, 100MHz GBW, 1.9V/√Hz
LT6201 | 165MHz GBW, 0.95nV/√Hz
LT1469 | 90MHz GBW, 75µV max Vos

**www.linear.com/product/LTC6362**
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