

2.5MM MALE CONTACT

Manufacturers	Analog Devices, Inc
Package/Case	MSOP8
Product Type	Amplifier ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC6360CMS8E#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC6360 is a very low noise, high precision, high speed amplifier suitable for driving SAR ADCs. The LTC6360 features a total output noise of 2.3nV/√Hz combined with 150ns settling time to 16-bit levels>

While powered from a single 5V supply, the amplifier output can swing to 0V while maintaining high linearity. This is made possible with the inclusion of a very low noise on-chip charge pump that generates a negative voltage to bias the output stage of the amplifier, increasing the allowable negative voltage swing.

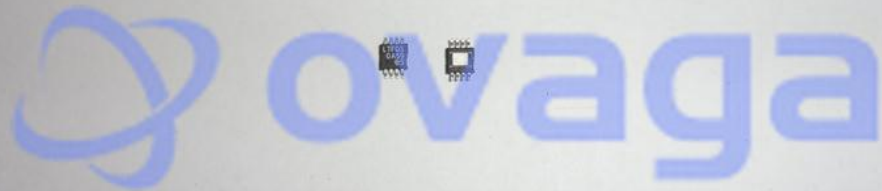
The LTC6360 is available in a compact 3mm × 3mm, 8-pin leadless DFN package and an 8-pin MSOP package with exposed pad and operates over a -40°C to 125°C temperature range.

Features

- Output Swings to True Zero on Single Supply
- 2.3nV/√Hz Noise Density
- Fast Settling Time: 150ns, 16-Bit, 4V Step
- 110dB SNR in 3MHz Bandwidth
- Low Distortion, = -109dBc for 4VP-P Output at 40kHz
- Low Offset Voltage: 250μV Max
- Low Power Shutdown: 350μA Max
- 3mm × 3mm 8-Pin DFN and 8-lead MSOP Packages

Application

- 16-Bit and 18-Bit SAR ADC Driver
- High Speed Buffer Amplifiers
- Low Noise Signal Processing



Related Products



[LTC1151CSW#PBF](#)

Analog Devices, Inc
SOIC-16



[LT1498CS8](#)

Analog Devices, Inc
SOP-8



[LTC2053CMS8](#)

Analog Devices, Inc
MSOP8



[LTC1150CN8](#)

Analog Devices, Inc
DIP8



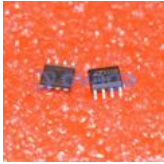
[LT1491ACS](#)

Analog Devices, Inc
SOP14



[LT6105IMS8](#)

Analog Devices, Inc
MSOP-8



[LTC1150CS8](#)

Analog Devices, Inc
SOP8



[LT1013CN8](#)

Analog Devices, Inc
DIP-8