

Operational Amplifier, Dual, 2 Amplifier, 350 MHz, 400 V/ $\mu$ s, 3.1V to 5.25V, MSOP, 8 Pins

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	MSOP8
Product Type	Amplifier ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC6269IMS8E#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LTC6268/LTC6269 is a single/dual 500MHz FET-input operational amplifier with extremely low input bias current and low input capacitance. It also features low input-referred current noise and voltage noise making it an ideal choice for high speed transimpedance amplifiers, CCD output buffers, and high-impedance sensor amplifiers. Its low distortion makes the LTC6268/LTC6269 an ideal amplifier for driving SAR ADCs.

It operates on 3.1V to 5.25V supply and consumes 16.5mA per amplifier. A shutdown feature can be used to lower power consumption when the amplifier is not in use.

The LTC6268 single op amp is available in 8-lead SOIC and 6-lead SOT-23 packages. The SOIC package includes two unconnected pins which can be used to create an input pin guard ring to protect against board leakage currents. The LTC6269 dual op amp is available in 8-lead MSOP with exposed pad and 3mm  $\times$  3mm 10-lead DFN packages. They are fully specified over the  $-40^{\circ}\text{C}$  to  $85^{\circ}\text{C}$  and the  $-40^{\circ}\text{C}$  to  $125^{\circ}\text{C}$  temperature ranges.

## Features

Gain Bandwidth Product: 500MHz

Low Input Bias Current:

4pA Max at 125°C

Current Noise (100kHz): 5.5fA/√Hz

Voltage Noise (1MHz): 4.3nV/√Hz

Extremely Low CIN 450fF

Rail-to-Rail Output

Slew Rate: 400V/μs

Supply Range: 3.1V to 5.25V

Quiescent Current: 16.5mA

Harmonic Distortion (2VP-P):

Operating Temp Range: -40°C to 125°C

Single in 8-Lead SO-8, 6-Lead TSOT-23 Packages

Dual in 8-Lead MS8, 3mm × 3mm 10-Lead DFN 10 Packages

## Application

Trans-Impedance Amplifiers

ADC Drivers

CCD Output Buffer

Photomultiplier Tube Post-Amplifier

Low IBIAS Circuits





### Related Products



#### [LTC1151CSW#PBF](#)

Analog Devices, Inc  
SOIC-16



#### [LT1498CS8](#)

Analog Devices, Inc  
SOP-8



#### [LTC2053CMS8](#)

Analog Devices, Inc  
MSOP8



#### [LTC1150CN8](#)

Analog Devices, Inc  
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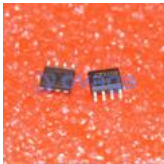
[LT1491ACS](#)

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