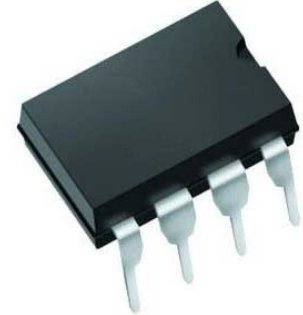


Operational Amplifier, Dual, 2 Amplifier, 400 kHz, 0.13 V/ $\mu$ s, 1.8V to  $\pm$  15V, DIP, 8 Pins

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	DIP8
Product Type	Amplifier ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LT1366CN8#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LT1366/LT1367/LT1368/LT1369 are dual and quad bipolar op amps which combine rail-to-rail input and output operation with precision specifications. These op amps maintain their characteristics over a supply range of 1.8V to 36V. Operation is specified for 3V, 5V and  $\pm$ 15V supplies. Input offset voltage is typically 150 $\mu$ V, with an open-loop gain AVOL of 1 million while driving a 10k load. Common mode rejection is typically 90dB over the full rail-to-rail input range, and supply rejection is 110dB.

The LT1366/LT1367 have conventional compensation which assures stability for capacitive loads of 1000pF or less. The LT1368/LT1369 have compensation that requires a 0.1 $\mu$ F output capacitor, which improves the amplifier's supply rejection and reduces output impedance at high frequencies. The output capacitor's filtering action reduces high frequency noise, which is beneficial when driving A/D converters.

The LT1366/LT1368 are available in plastic 8-pin PDIP and 8-lead SO packages with the standard dual op amp pinout. The LT1367/LT1369 feature the standard quad pinout, which is available in a plastic 14-lead SO package. These devices can be used as plug-in replacements for many standard op amps to improve input/output range and precision.

## Features

Input Common Mode Range Includes Both Rails

Output Swings Rail-to-Rail

Low Input Offset Voltage: 150 $\mu$ V

High Common Mode Rejection Ratio: 90dB

High AVOL: >1V/ $\mu$ V Driving 10k Load

Low Input Bias Current: 10nA

Wide Supply Range: 1.8V to  $\pm$ 15V

Low Supply Current: 375 $\mu$ A per Amplifier

High Output Drive: 30mA

400kHz Gain-Bandwidth Product

Slew Rate: 0.13V/ $\mu$ s

Stable for Capacitive Loads Up to 1000pF

## Application

Rail-to-Rail Buffer Amplifiers

Low Voltage Signal Processing

Supply Current Sensing at Either Rail

Driving A/D Converters

## Related Products



### [LTC1151CSW#PBF](#)

Analog Devices, Inc  
SOIC-16



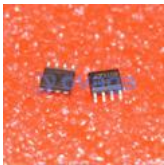
### [LTC2053CMS8](#)

Analog Devices, Inc  
MSOP8



### [LT1491ACS](#)

Analog Devices, Inc  
SOP14



### [LTC1150CS8](#)

Analog Devices, Inc  
SOP8



### [LT1498CS8](#)

Analog Devices, Inc  
SOP-8



### [LTC1150CN8](#)

Analog Devices, Inc  
DIP8



### [LT6105IMS8](#)

Analog Devices, Inc  
MSOP-8



### [LT1013CN8](#)

Analog Devices, Inc  
DIP-8