

Operational Amplifier, Dual, 2 Amplifier, 70 MHz, 1000 V/ $\mu$ s,  $\pm 2.5V$  to  $\pm 15V$ , SOIC, 8 Pins

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOP8
Product Type	Amplifier ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LT1364CS8#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LT1364/LT1365 are dual and quad high speed operational amplifiers with outstanding AC and DC performance. The amplifiers feature much lower supply current and higher slew rate than devices with comparable bandwidth. The circuit topology is a voltage feedback amplifier with matched high impedance inputs and the slewing performance of a current feedback amplifier. The high slew rate and single stage design provide excellent settling characteristics which make the circuit an ideal choice for data acquisition systems. Each output drives a 150 $\Omega$  load to  $\pm 7.5V$  with  $\pm 15V$  supplies and to  $\pm 3.4V$  on  $\pm 5V$  supplies. The amplifiers are stable with any capacitive load making them useful in buffer or cable driving applications.

The LT1364/LT1365 are members of a family of fast, high performance amplifiers using this unique topology and employing advanced bipolar complementary processing. For a single amplifier version of the LT1364/LT1365 see the LT1363 data sheet. For 50MHz devices with 4mA supply currents see the LT1360 through LT1362 data sheets. For lower supply current amplifiers see the LT1354 to LT1359 data sheets. Singles, duals, and quads of each amplifier are available.

## Features

70MHz Gain-Bandwidth

1000V/ $\mu$ s Slew Rate

7.5mA Maximum Supply Current per Amplifier

Unity Gain Stable

C-Load™ Op Amp Drives All Capacitive Loads

9nV/ $\sqrt{\text{Hz}}$  Input Noise Voltage

1.5mV Maximum Input Offset Voltage

2 $\mu$ A Maximum Input Bias Current

350nA Maximum Input Offset Current

50mA Minimum Output Current

4.5V/mV Minimum DC Gain,>

50ns Settling Time to 0.1%, 10V Step

0.06% Differential Gain,>

0.04° Differential Phase,>

Specified at  $\pm 2.5\text{V}$ ,  $\pm 5\text{V}$ , and  $\pm 15\text{V}$

## Application

Wideband Amplifiers

Buffers

Active Filters

Video and RF Amplification

Cable Drivers

Data Acquisition Systems

## 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



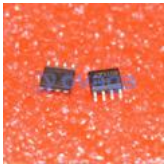
### [LT1491ACS](#)

Analog Devices, Inc  
SOP14



### [LT6105IMS8](#)

Analog Devices, Inc  
MSOP-8



[LTC1150CS8](#)

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[LT1013CN8](#)

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