# LT1360CS8#PBF

Data Sheet

Operational Amplifier, Single, 1 Amplifier, 50 MHz, 800 V/µs, ± 2.5V to ± 15V, SOIC, 8 Pins

| | |
|---|---|
| Manufacturers | Analog Devices, Inc |
| Package/Case | SOP8 |
| Product Type | Amplifier ICs |
| RoHS | Pb-free Halide free |
| Lifecycle | |

Images are for reference only

Please submit RFQ for LT1360CS8#PBF or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

## General Description

The LT1360 is a high speed, very high slew rate operational amplifier with excellent DC performance. The LT1360 features reduced supply current, lower input offset voltage, lower input bias current and higher DC gain than devices with comparable bandwidth. The circuit topology is a voltage feedback amplifier with the slewing characteristics of a current feedback amplifier. The amplifier is a single gain stage with outstanding settling characteristics which makes the circuit an ideal choice for data acquisition systems. The output drives a 500Ω load to ±13V with ±15V supplies and a 150Ω load to ±3.2V on ±5V supplies. The amplifier is also capable of driving any capacitive load which makes it useful in buffer or cable driver applications.

The LT1360 is a member of a family of fast, high performance amplifiers using this unique topology and employing advanced bipolar complementary processing. For dual and quad amplifier versions of the LT1360 see the LT1361/LT1362 data sheet. For 70MHz amplifiers with 6mA of supply current per amplifier see the LT1363 and LT1364/LT1365 data sheets. For lower supply current amplifiers with bandwidths of 12MHz and 25MHz see the LT1354 through LT1359 data sheets. Singles, duals and quads of each amplifier are available.

## Features

50MHz Gain-Bandwidth

800V/μs Slew Rate

5mA Maximum Supply Current

9nV/√Hz Input Noise Voltage

Unity Gain Stable

C-Load™ Op Amp Drives All Capacitive Loads

1mV Maximum Input Offset Voltage

1μA Maximum Input Bias Current

250nA Maximum Input Offset Current

4.5V/mV Minimum DC Gain,>

60ns Settling Time to 0.1%, 10V Step

0.2% Differential Gain,>

0.3° Differential Phase,>

Specified at ±2.5V, ±5V, and ±15V

## 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

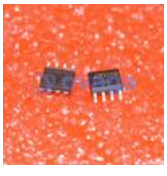
Analog Devices, Inc

SOP14

LT6105IMS8

Analog Devices, Inc

MSOP-8



LTC1150CS8

Analog Devices, Inc

SOP8

LT1013CN8

Analog Devices, Inc

DIP-8