LT1364CN8#PBF

Data Sheet

Operational Amplifier, Dual, 2 Amplifier, 70 MHz, 1000 V/µs, ± 2.5V to ± 15V, DIP, 8 Pins

Manufacturers	Analog Devices, Inc
Package/Case	DIP8
Product Type	Amplifier ICs
RoHS	Pb-free Halide free
Lifecycle	

Images are for reference only

Please submit RFQ for LT1364CN8#PBF or Email to us: 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 150Ω load to ±7.5V with ±15V supplies and to ±3.4V on ±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/μs Slew Rate

7.5mA Maximum Supply Current per Amplifier

Unity Gain Stable

C-Load™ Op Amp Drives All Capacitive Loads

9nV/√Hz Input Noise Voltage

1.5mV Maximum Input Offset Voltage

2μA 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 ±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

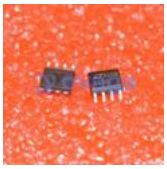
Analog Devices, Inc

SOP14

LT6105IMS8

Analog Devices, Inc

MSOP-8



LTC1150CS8

Analog Devices, Inc

SOP8

LT1013CN8

Analog Devices, Inc

DIP-8