

Dual Low Power Current Feedback Amplifier

Manufacturers	Analog Devices, Inc
Package/Case	MSOP-8
Product Type	Amplifier ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD8012ARMZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD8012 is a dual, low power, current feedback amplifier capable of providing 350 MHz bandwidth while using only 1.7 mA per amplifier. It is intended for use in high frequency, wide dynamic range systems where low distortion and high speed are essential and low power is critical.

With only 1.7 mA of supply current, the AD8012 also offers exceptional ac specifications such as 20 ns settling time and 2,250 V/ μ s slew rate. The video specifications are 0.02% differential gain and 0.06 degree differential phase, excellent for such a low power amplifier. In addition, the AD8012 has a low offset of 1.5 mV.

The AD8012 is well suited for any application that requires high performance with minimal power.

The product is available in standard 8-lead SOIC or MSOP packages and operates over the industrial temperature range -40°C to $+85^{\circ}\text{C}$.

Features

Low Power

1.7 mA/Amplifier Supply Current

Fully Specified for ± 5 V and +5 V Supplies

High Output Current, 125 mA

High Speed

350 MHz, -3 dB Bandwidth

150 MHz, -3 dB Bandwidth

2,250 V/ μ s Slew Rate

20 ns Settling Time to 0.1%

Low Distortion

Good Video Specifications ($\pm 2\%$)

0.02% Differential Gain Error

0.06° Differential Phase Error

Gain Flatness 0.1 dB to 40 MHz

60 ns Overdrive Recovery

Low Offset Voltage, 1.5 mV

Low Voltage Noise, 2.5 nV/ $\sqrt{\text{Hz}}$

Available in 8-Lead SOIC and 8-Lead MSOP

Application

XDSL, HDSL Line Drivers

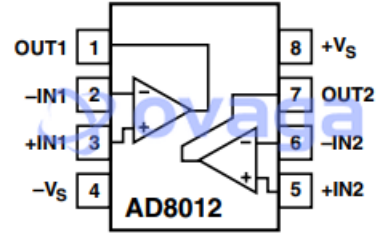
ADC Buffers

Professional Cameras

CCD Imaging Systems

Ultrasound Equipment

Digital Cameras

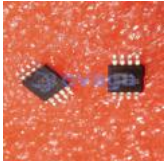


Related Products



[AD8418BRMZ-RL](#)

Analog Devices, Inc
MSOP-8



[ADA4084-2ARMZ](#)

Analog Devices, Inc
MSOP-8



[AD8567ARUZ](#)

Analog Devices, Inc
TSSOP-14



[AD8022ARMZ](#)

Analog Devices, Inc
MSOP-8



[ADA4528-2ARMZ-R7](#)

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