AD8397ARDZ

Data Sheet

Operational Amplifier, Dual, 2 Amplifier, 69 MHz, 53 V/µs, 3V to 24V, SOIC, 8 Pins

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

Images are for reference only

Please submit RFQ for AD8397ARDZ or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The AD8397 comprises two voltage feedback operational amplifiers capable of driving heavy loads with excellent linearity. The common-emitter, rail-to-rail output stage surpasses the output voltage capability of typical emitter-follower output stages and can swing to within 0.5 V of either rail while driving a 25 Ω load. The low distortion, high output current, and wide output dynamic range make the AD8397 ideal for applications that require a large signal swing into a heavy load.

Fabricated with Analog Devices, Inc., high speed extra fast complementary bipolar high voltage (XFCB-HV) process, the high bandwidth and fast slew rate of the AD8397 keep distortion to a minimum. The AD8397 is available in a standard 8-lead SOIC_N package and, for higher power dissipating applications, a thermally enhanced 8-lead SOIC_N_EP package. Both packages can operate from −40°C to +85°C.

Features

Dual operational amplifier

Voltage feedback

Wide supply range from 3 V to 24 V

Rail-to-rail output

Output swing to within 0.5 V of supply rails

High linear output current

310 mA peak into 32 Ω on ±12 V supplies while maintaining −80 dBc SFDR

Low noise

4.5 nV/√Hz voltage noise density at 100 kHz

1.5 pA/√Hz current noise density at 100 kHz

High speed

69 MHz bandwidth>

53 V/µs slew rate>

Application

Twisted-pair line drivers

Audio applications

General-purpose ac applications

Related Products

AD8418BRMZ-RL

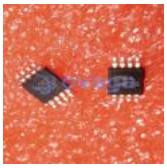
Analog Devices, Inc

MSOP-8

ADA4528-2ARMZ-R7

Analog Devices, Inc

MSOP-8



ADA4084-2ARMZ

Analog Devices, Inc

MSOP-8

AD8062ARMZ

Analog Devices, Inc

MSOP8

AD8567ARUZ

Analog Devices, Inc

TSSOP-14

AD8628AUJZ

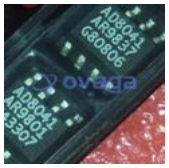
Analog Devices, Inc

SOP23

AD8022ARMZ

Analog Devices, Inc

MSOP-8



AD8041AR

Analog Devices, Inc

SOP-8