ovaga

Low-Power High-Speed Rail-to-Rail Input/Output Op Amplifier; Package: TSSOP; No of Pins: 14; Temperature Range: Industrial

Manufacturers	Analog Devices, Inc
Package/Case	14-TSSOP
Product Type	Amplifier ICs
RoHS	Pb-free Halide free
Lifecycle	

Images are for reference only

Please submit RFQ for AD8040ARUZ or Email to us: sales@ovaga.com We will contact you in 12 hours.   RFQ

General Description

The AD8040 is a quad, rail-to-rail input and output high speed amplifier with a quiescent current of only 1.3 mA per amplifier. Despite its low power consumption, the amplifier provides excellent performance with 125MHz small signal bandwidth and 60 V/µs slew rate. ADI's proprietary XFCB process enables high speed and high performance on low power.

This amplifier exhibits true single-supply operation with rail-to-rail input and output performance for supply voltages ranging from 2.7V to 12V. The input voltage range extends 200 mV beyond each rail without phase reversal. The dynamic range of the output extends to within 40 mV of each rail.

The AD8040 provides excellent signal quality with minimal power dissipation. At>

The versatility of the AD8040 allows the user to operate the amplifier on a wide range of supplies while consuming less than 6.5 mW of power. This feature extends the operation time in applications ranging from battery-powered systems with large bandwidth requirements to high speed systems where component density requires lower power dissipation.

The amplifier is rated over the extended industrial temperature range, -40°C to +125°C.

Features

Low Power1.3mA supply current/amplifier

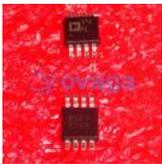High Speed 125MHz, -3 dB Bandwidth>

Wide Supply Range: 2.7V to 12V

Offset voltage: 6 mV max

Rail-to-Rail Input and Output No phase reversal, inputs200 mV beyond rails

Low input bias current+0.7µA to -1.5 µA
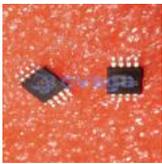
Small Packaging SOIC-14, TSSOP-14

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