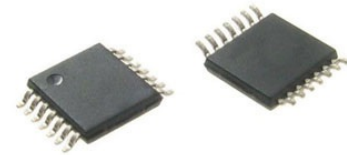


Analogue to Digital Converter, Dual, 13 bit, 500 kSPS, Pseudo Differential, Single Ended

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	TSSOP14
Product Type	Data Conversion ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD7321BRUZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The AD7321 can accept true bipolar analog input signals. The AD7321 has four software-selectable input ranges,  $\pm 10$  V,  $\pm 5$  V,  $\pm 2.5$  V, and 0 V to +10 V. Each analog input channel is independently programmed to one of the four input ranges. The analog input channels on the AD7321 are programmed to be single-ended, true differential, or pseudo differential.

The ADC contains a 2.5 V internal reference. The AD7321 also allows for external reference operation. If a 3 V reference is applied to the REFIN/OUT pin, the AD7321 can accept a true bipolar  $\pm 12$  V analog input. A minimum of  $\pm 12$  V VDD and VSS supplies are required for the  $\pm 12$  V input range. The ADC has a high speed serial interface that can operate at throughput rates up to 500 kSPS.

### Product Highlights

The AD7321 can accept true bipolar analog input signals,  $\pm 10$  V,  $\pm 5$  V,  $\pm 2.5$  V, and 0 V to +10 V unipolar signals.

The two analog inputs are configured as two single-ended inputs, one true differential input pair, or one pseudo differential input.

A 500 kSPS serial interface. SPI®-/QSPI™-/DSP-/MICROWIRE™-compatible interface.

Low power, 18 mW, at a maximum throughput rate of 500 kSPS.

Channel sequencer.

## Features

12-bit plus sign SAR ADC

True bipolar input ranges

Software-selectable input ranges  $\pm 10$  V,  $\pm 5$  V,  $\pm 2.5$  V, 0 V to +10 V

500 kSPS throughput rate

2 analog input channels with channel sequencer

Single-ended, true differential, and pseudo differential analog input capability

High analog input impedance

Low power: 18 mW

Full power signal bandwidth: 22 MHz

Internal 2.5 V reference

High speed serial interface

See data sheet for additional features

## Related Products



[ADAS3022BCPZ](#)

Analog Devices, Inc  
LFCSP-40



[AD574AJNZ](#)

Analog Devices, Inc  
PDIP-28



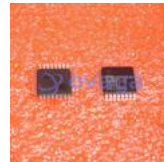
[AD7938BSUZ](#)

Analog Devices, Inc  
TQFP-32



[AD7124-8BCPZ-RL7](#)

Analog Devices, Inc  
LFCSP-32



[AD7266BSUZ](#)

Analog Devices, Inc  
TQPF-32



[AD7401YRWZ](#)

Analog Devices, Inc  
SOIC-16



[AD7192BRUZ-REEL](#)

Analog Devices, Inc  
TSSOP-24



[AD9680BCPZ-500](#)

Analog Devices, Inc  
LFCSP-64