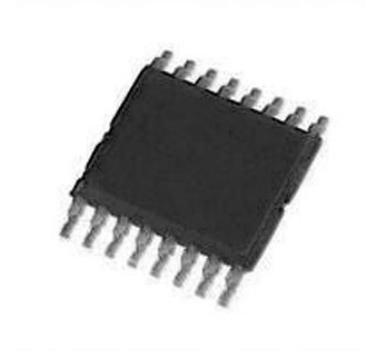


Analogue to Digital Converter, Quad, 13 bit, 500 kSPS, Pseudo Differential, Single Ended

Manufacturers	Analog Devices, Inc
Package/Case	TSSOP-16
Product Type	Data Conversion ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for AD7323BRUZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD7323 can accept true bipolar analog input signals. The AD7323 has four software selectable input ranges, $\pm 10\text{ V}$, $\pm 5\text{ V}$, $\pm 2.5\text{ V}$, and 0 V to $+10\text{ V}$. Each analog input channel can be independently programmed to one of the four input ranges. The analog input channels on the AD7323 can be programmed to be single-ended, true differential, or pseudo differential.

The ADC contains a 2.5 V internal reference. The AD7323 also allows for external reference operation. If a 3 V reference is applied to the REFIN/OUT pin, the AD7323 can accept a true bipolar $\pm 12\text{ V}$ analog input. Minimum $\pm 12\text{ V}$ VDD and VSS supplies are required for the $\pm 12\text{ V}$ input range. The ADC has a high speed serial interface that can operate at throughput rates up to 500 kSPS.

Product Highlights

The AD7323 can accept true bipolar analog input signals, $\pm 10\text{ V}$, $\pm 5\text{ V}$, and $\pm 2.5\text{ V}$, and 0 V to $+10\text{ V}$ unipolar signals.

The four analog inputs can be configured as four single-ended inputs, two true differential input pairs, two pseudo differential inputs, or three pseudo differential inputs.

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 ± 10 V, ± 5 V, ± 2.5 V, 0 V to +10 V

500 kSPS throughput rate

Four 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

Power-down modes

16-lead TSSOP package

iCMOS process technology

Related Products



[ADAS3022BCPZ](#)

Analog Devices, Inc
LFCSP-40



[AD574AJNZ](#)

Analog Devices, Inc
PDIP-28



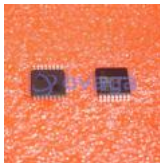
[AD7938BSUZ](#)

Analog Devices, Inc
TQFP-32



[AD7124-8BCPZ-RL7](#)

Analog Devices, Inc
LFCSP-32



[AD7266BSUZ](#)

Analog Devices, Inc
TQFP-32



[AD7401YRWZ](#)

Analog Devices, Inc
SOIC-16



[AD7192BRUZ-REEL](#)

Analog Devices, Inc
TSSOP-24



[AD9680BCPZ-500](#)

Analog Devices, Inc
LFCSP-64