

Analogue to Digital Converter, Quad, 10 bit, 188 kSPS, Single Ended, I2C, Single, 2.7 V

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



Images are for reference only

Please submit RFQ for AD7993BRUZ-0 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD7993 is a 4 channel, 10-bit, high speed, low power, successive-approximation ADC respectively. The part operates from a single 2.7 V to 5.5 V power supply and features a conversion time of 2 μ s. The part contains a four channel multiplexer and track/hold amplifier.

The AD7993 provides a two-wire serial interface which is compatible with I2C interfaces. The part comes in two versions, AD7993-0 and AD7993-1. Each version allows for a minimum of two different I2C addresses. The I2C interface on the AD7993-0 supports Standard and Fast I2C Interface Modes. The I2C interface on the AD7993-1 supports Standard, Fast and two High-Speed I2C Interface Modes.

Features

10-Bit ADC with Fast Conversion Time: 2 μ s

Four Single-Ended Analog Input Channels

Specified for VDD of 2.7 V to 5.5 V

Low Power Consumption

Fast Throughput Rate: - 188 kSPS

Sequencer Operation

Automatic Cycle Mode

I2C® Compatible Serial Interface

I2C® Interface supports: Standard, Fast, and High-Speed Modes

Out of Range Indicator

Pin-Selectable Addressing via AS

Automatic Shutdown Mode: - 1 μ A max

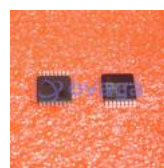


Related Products



[ADAS3022BCPZ](#)

Analog Devices, Inc
LFCSP-40



[AD7266BSUZ](#)

Analog Devices, Inc
TQPF-32



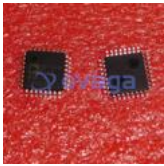
[AD574AJNZ](#)

Analog Devices, Inc
PDIP-28



[AD7401YRWZ](#)

Analog Devices, Inc
SOIC-16



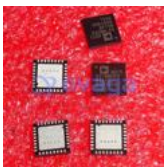
[AD7938BSUZ](#)

Analog Devices, Inc
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[AD7192BRUZ-REEL](#)

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[AD7124-8BCPZ-RL7](#)

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[AD9680BCPZ-500](#)

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