

True Bipolar Input, 5 V Single Supply, 14-Bit, Serial 4.5 μ s ADC in 8-Pin Package

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



Images are for reference only

Please submit RFQ for AD7894BRZ-10 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

In addition to the traditional dc accuracy specifications such as linearity, full-scale and offset errors, the AD7894 is also specified for dynamic performance parameters including harmonic distortion and signal-to-noise ratio. The part accepts an analog input range of ± 10 V (AD7894-10), ± 2.5 V (AD7894-3), 0 V to 2.5 V (AD7894-2), and operates from a single +5 V supply consuming only 20 mW typical.

The AD7894 features a high sampling rate mode and, for low power applications, a proprietary automatic power down mode where the part automatically goes into power down once conversion is complete and "wakes up" before the next conversion cycle. The part is available in a small outline IC (SOIC).

Features

Fast 14-Bit ADC with 5 μ s Conversion Time

8-Lead SOIC Package

Single 5 V Supply Operation

High Speed, Easy-to-Use, Serial Interface

On-Chip Track/Hold Amplifier

High Input Impedance

Selection of Input Ranges:

Low Power: 20 mW Typ

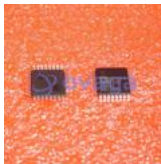
Pin Compatible Upgrade of 12-Bit AD7895

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](#)

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TQFP-32



[AD7192BRUZ-REEL](#)

Analog Devices, Inc
TSSOP-24



[AD7124-8BCPZ-RL7](#)

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LFCSP-32



[AD9680BCPZ-500](#)

Analog Devices, Inc
LFCSP-64