

Analogue to Digital Converter, 14 bit, 400 kSPS, Parallel, Single, 4.75 V

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOIC-28
Product Type	Data Conversion ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD7899ARZ-2 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The AD7899 is a fast, low power, 14-bit A/D converter that operates from a single +5 V supply. The part contains a 2.0  $\mu$ s successive approximation ADC, a track/hold amplifier, 2.5 V reference, on chip clock oscillator, signal conditioning circuitry and a high speed parallel interface. The part accepts analog input ranges of  $\pm 10$  V,  $\pm 5$  V,  $\pm 2.5$  V, 0 V to +2.5 V and 0 V to +5 V. Overvoltage protection on the analog inputs for the part allows the input voltage to exceeded without damaging the parts or affecting a conversion in progress.

## Features

Fast (2.2  $\mu$ s) 14-Bit ADC

400 kSPS Throughput Rate

0.3  $\mu$ s Track/Hold Acquisition Time

Single Supply Operation

High-Speed Parallel Interface which Also Allows Interfacing to 3 V Processors

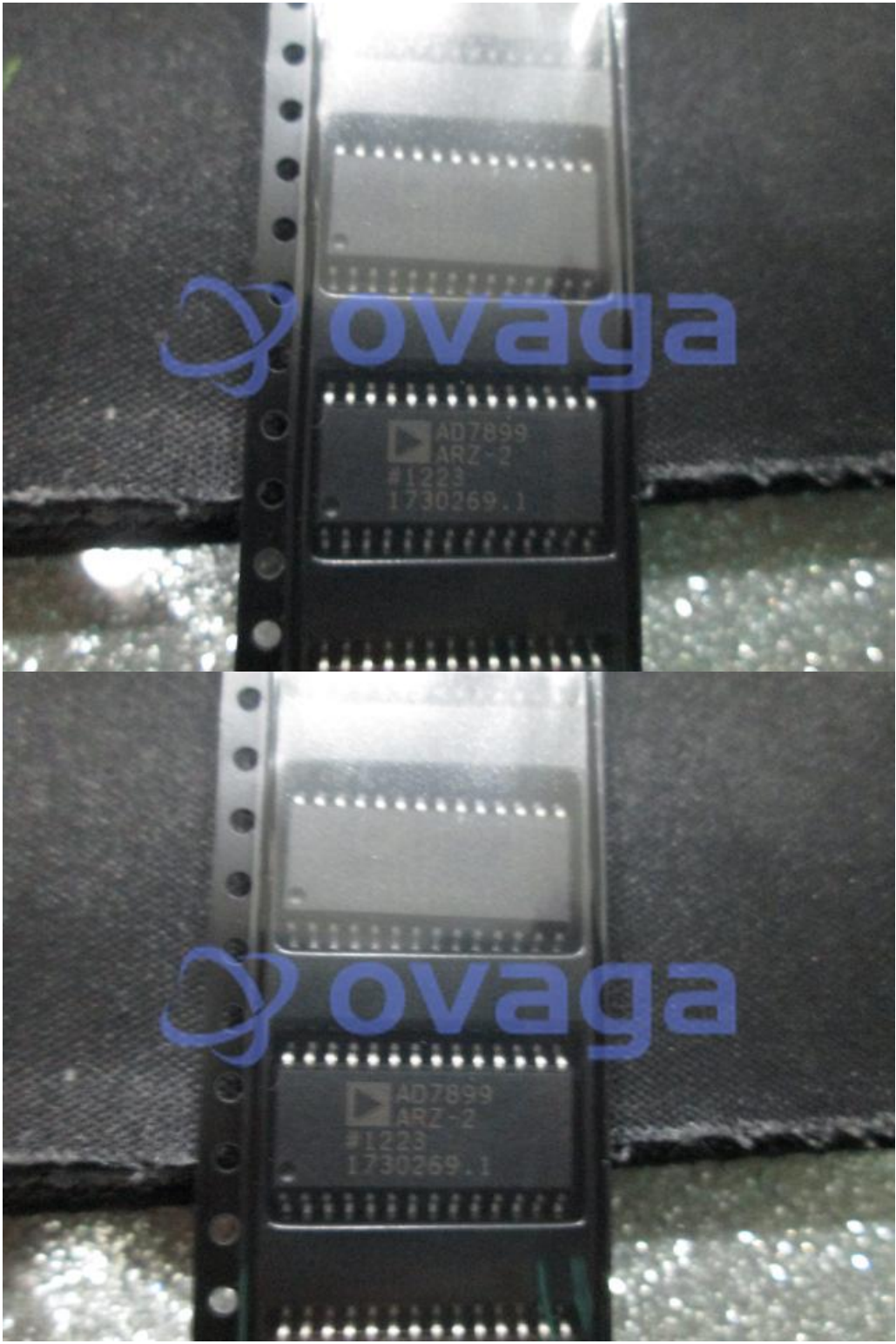
Low Power, 80 mW Typ

Selection of Input Ranges  $\pm 10$  V,  $\pm 5$  V and  $\pm 2.5$  V 0 V to 2.5 V and 0 V to 5 V

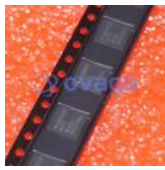
Power-Saving Mode, 20  $\mu$ W Typ

Overvoltage Protection on Analog Inputs

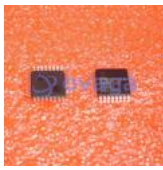
Power-Down Mode via STBY Pin



**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  
TQFP-32



[AD7192BRUZ-REEL](#)

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TSSOP-24



[AD7124-8BCPZ-RL7](#)

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[AD9680BCPZ-500](#)

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LFCSP-64