

Analog to Digital Converters - ADC Data Acquisition System IC 12-Bit

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



Images are for reference only

Please submit RFQ for AD7874SQ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The aperture delay of the four track/hold amplifiers is small and specified with minimum and maximum limits. This allows several AD7874s to sample multiple input channels simultaneously without incurring phase errors between signals connected to several devices. A reference output/reference input facility also allows several AD7874s to be driven from the same reference source.

In addition to the traditional dc accuracy specifications such as linearity, full-scale and offset errors, the AD7874 is also fully specified for dynamic performance parameters including distortion and signal-to-noise ratio.

The AD7874 is fabricated in Analog Devices' Linear Compatible CMOS (LC2MOS) process, a mixed technology process that combines precision bipolar circuits with low-power CMOS logic. The part is available in a 28-pin, 0.6" wide, plastic or hermetic dual-in-line package (DIP), in a 28-terminal leadless ceramic chip carrier (LCCC) and in a 28-pin SOIC.

## Features

- Four On-Chip Track/Hold Amplifiers
- Simultaneous Sampling of 4 Channels
- Fast 12-Bit ADC with 8  $\mu$ s Conversion Time/Channel
- 29 kHz Sample Rate for All Four Channels
- On-Chip Reference

## Application

- Sonar
- Motor Controllers
- Adaptive Filters
- Digital Signal Processing

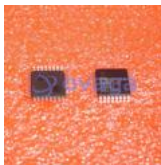


### Related Products



[ADAS3022BCPZ](#)

Analog Devices, Inc  
LFCSP-40



[AD7266BSUZ](#)

Analog Devices, Inc  
TQPF-32



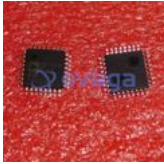
[AD574AJNZ](#)

Analog Devices, Inc  
PDIP-28



[AD7401YRWZ](#)

Analog Devices, Inc  
SOIC-16



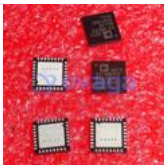
[AD7938BSUZ](#)

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[AD9680BCPZ-500](#)

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