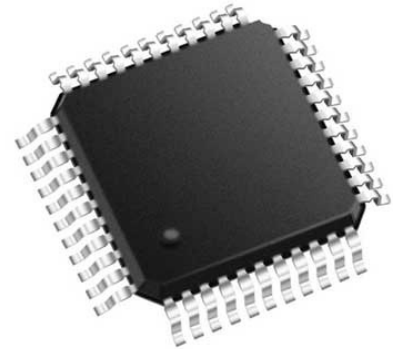


Analog to Digital Converters - ADC 3-5V SGL Supply 200kSPS 8-Ch 12-Bit

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	QFP-44
Product Type	Data Conversion ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD7859ASZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The AD7859 is capable of 200 kHz throughput rate while the AD7859L is capable of 100 kHz throughput rate. The input track-and-hold acquires a signal in 500 ns and features a pseudo-differential sampling scheme. The AD7859 and AD7859L input voltage range is 0 to  $V_{REF}$  (unipolar) and  $-V_{REF}/2$  to  $+V_{REF}/2$  about  $V_{REF}/2$  (bipolar) with both straight binary and 2s complement output coding respectively. Input signal range is to the supply and the part is capable of converting full-power signals to 100 kHz.

CMOS construction ensures low power dissipation of typically 5.4 mW for normal operation and 3.6  $\mu$ W in power-down mode. The part is available in 44-pin, plastic quad flatpack package (PQFP) and plastic lead chip carrier (PLCC).

## Features

Normal Operation

AD7859: 15 mW>AD7859L: 5.5 mW>

Using Automatic Power-Down After Conversion (25  $\mu$ W)

AD7859: 1.3 mW>AD7859L: 650  $\mu$ W>

Specified for V

DD

AD7859–200 kSPS

AD7859L–100 kSPS

System and Self-Calibration

Flexible Parallel Interface:

16-Bit Parallel/8-Bit Parallel

44-Pin PQFP and PLCC Packages

## Related Products



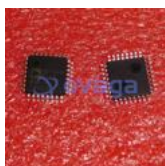
[ADAS3022BCPZ](#)

Analog Devices, Inc  
LFCSP-40



[AD574AJNZ](#)

Analog Devices, Inc  
PDIP-28



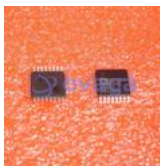
[AD7938BSUZ](#)

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