AD7859LASZ

Data Sheet

ANALOG DEVICES AD7859LASZ Analog to Digital Converter, 12Bit, 100KSPS, Single, 3V, 5.5V, QFP

Manufacturers	Analog Devices, Inc
Package/Case	QFP-44
Product Type	Data Conversion ICs
RoHS	Rohs
Lifecycle	

Images are for reference only

Please submit RFQ for AD7859LASZ or Email to us: 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 µW 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 µW)

AD7859: 1.3 mW>AD7859L: 650 µW>

Specified for V

DD

AD7859–200 kSPS

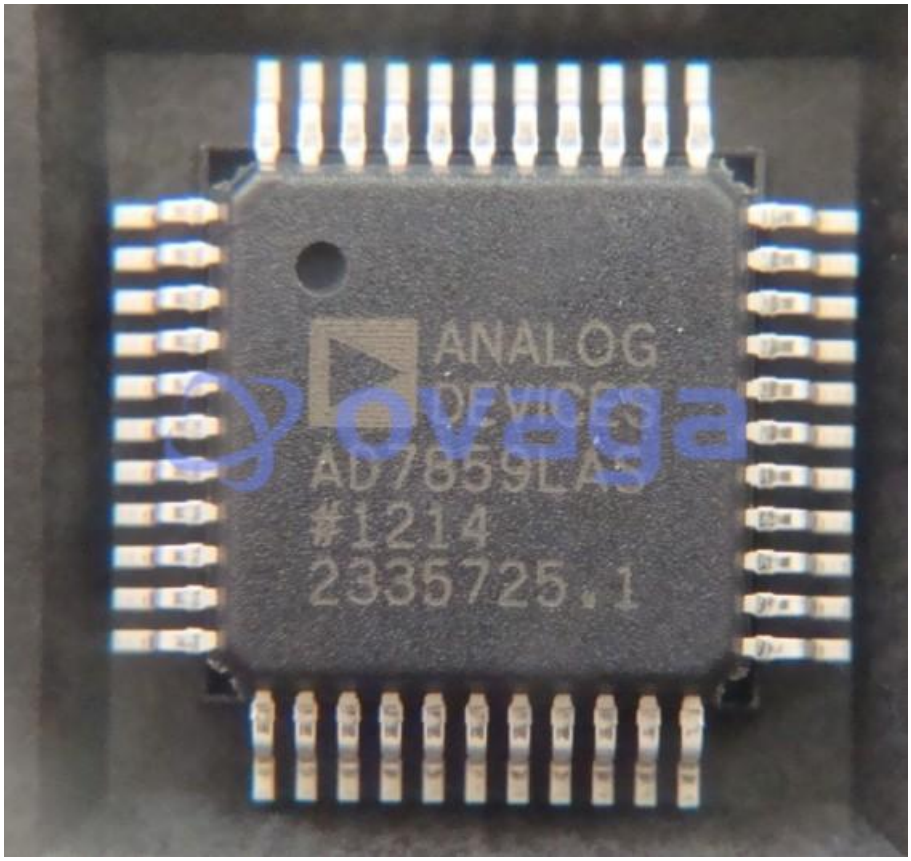
AD7859L–100 kSPS

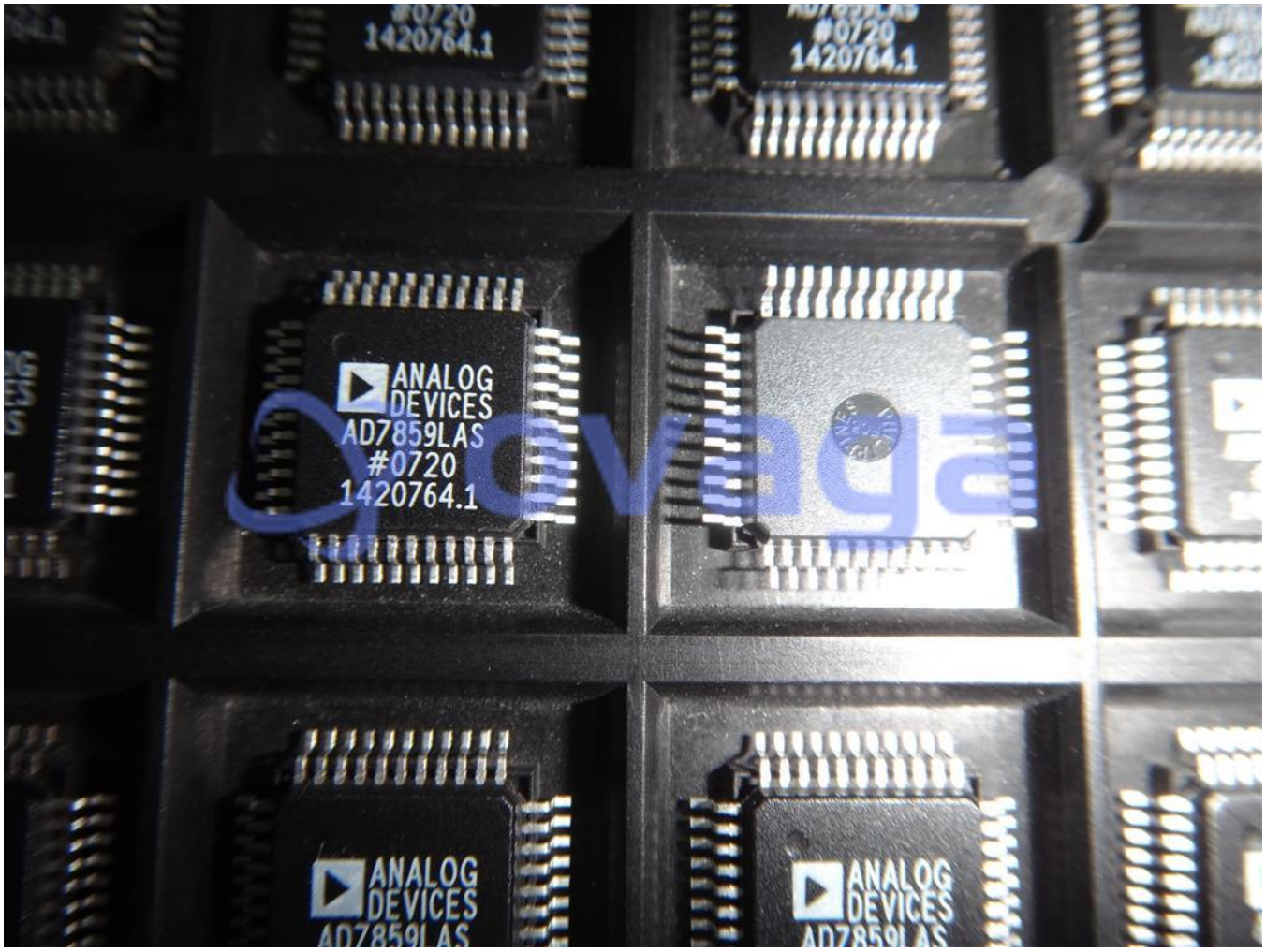
System and Self-Calibration

Flexible Parallel Interface:

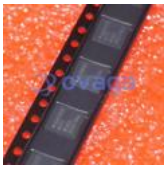
16-Bit Parallel/8-Bit Parallel

44-Pin PQFP and PLCC Packages





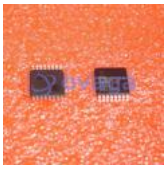
Related Products



[ADAS3022BCPZ]

Analog Devices, Inc

LFCSP-40



[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]

Analog Devices, Inc

TSSOP-24

[AD7124-8BCPZ-RL7]

Analog Devices, Inc

LFCSP-32

[AD9680BCPZ-500]

Analog Devices, Inc

LFCSP-64