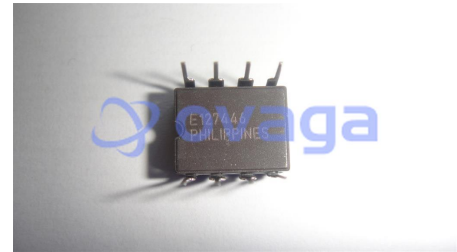


1-Channel Single ADC SAR 117ksps 12-bit Serial 8-Pin CDIP Tube

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



Images are for reference only

Please submit RFQ for AD7893SQ-10 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

Output data from the AD7893 is provided via a high speed, serial interface port. This two-wire serial interface has a serial clock input and a serial data output with the external serial clock accessing the serial data from the part.

In addition to traditional dc accuracy specifications such as linearity, full-scale and offset errors, the AD7893 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 (AD7893-10), ± 2.5 V (AD7893-3), 0 V to +5 V (AD7893-5) or 0 V to +2.5 V (AD7893-2) and operates from a single +5 V supply, consuming only 25 mW typical.

The AD7893 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 small, 8-pin, 0.3" wide, plastic or hermetic dual-in-line package (mini-DIP) and in an 8-pin, small outline IC (SOIC).

Features

Fast 12-Bit ADC with 6 μ s Conversion Time

8-Pin Mini-DIP and SOIC

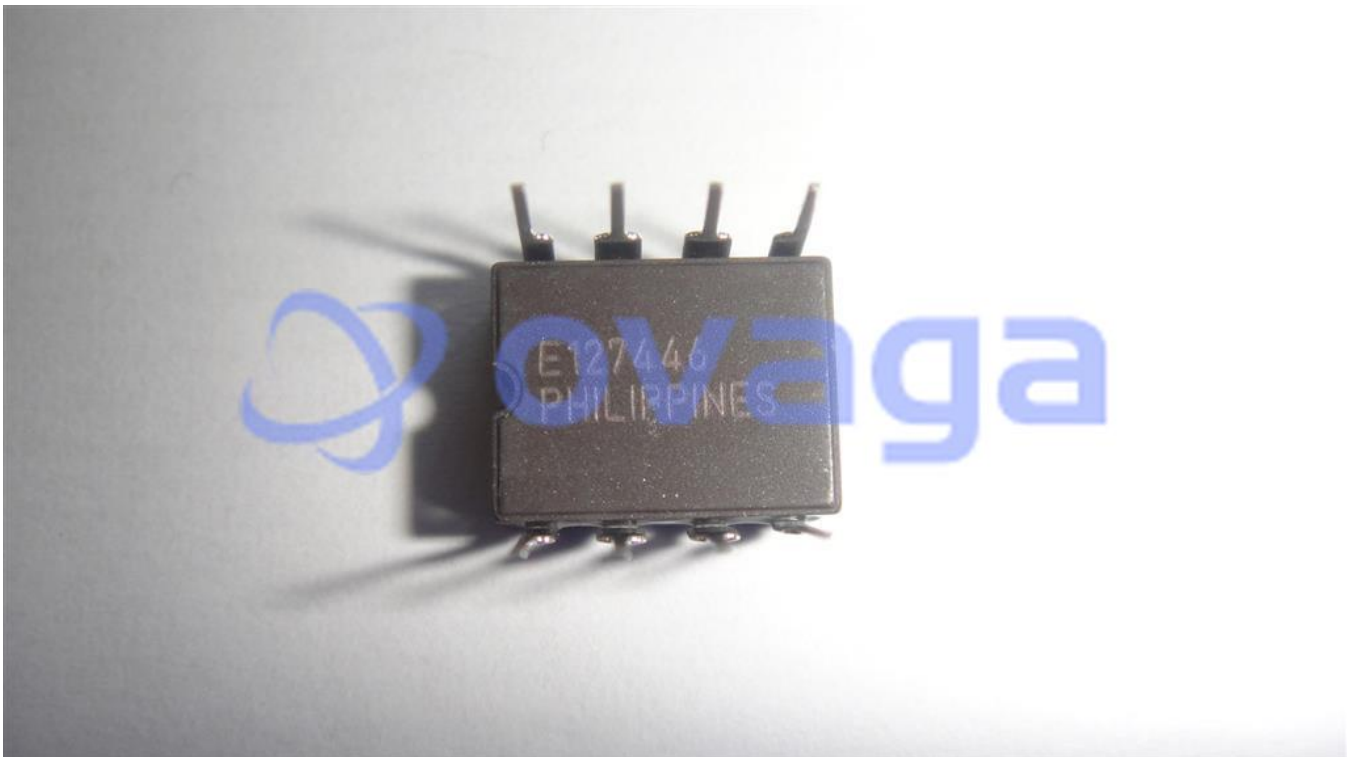
Single Supply Operation

High Speed, Easy-to-Use, Serial Interface

On-Chip Track/Hold Amplifier

Low Power: 25 mW typ

Selection of Input Ranges: ± 10 V for AD7893-10 ± 2.5 V for AD7893-30 V to +2.5 V for AD7893-20 V to +5 V for AD7893-5





Related Products



[ADAS3022BCPZ](#)

Analog Devices, Inc
LFCSP-40



[AD574AJNZ](#)

Analog Devices, Inc
PDIP-28



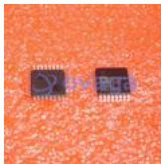
[AD7938BSUZ](#)

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