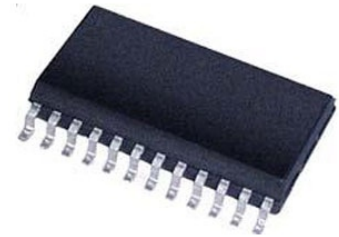


Analog to Digital Converters - ADC CMOS SGL +5V Supply Lo Pwr 12B Sampling

Manufacturers	Analog Devices, Inc
Package/Case	SOIC-24
Product Type	Data Conversion ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD7880CRZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD7880 is a high speed, low power, 12-bit A/D converter which operates from a single +5 V supply. It consists of a 3 μ s track/hold amplifier, a 12 μ s successive-approximation ADC, versatile interface logic and a multiple-input range circuit. The part also includes a power save feature.

An internal resistor network allows the part to accept both unipolar and bipolar input signals while operating from a single +5 V supply. Fast bus access to modern microprocessors and digital signal processors.

The AD7880 features a total throughput time of 15 μ s and can convert full power signals up to 33 kHz with a sampling frequency of 66 kHz.

In addition to the traditional dc accuracy specifications such as linearity, full scale and offset errors, the AD7880 is also fully specified for dynamic performance parameters including harmonic distortion and signal-to-noise ratio.

The AD7880 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 24-pin, 0.3 inch wide, plastic or hermetic dual-in-line package (DIP) as well as a small 24-lead SOIC package.

Features

12-Bit Monolithic A/D Converter

66 kHz Throughput Rate- 12 μ s Conversion Time- 3 μ s On-Chip Track/Hold Amplifier

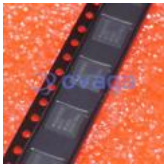
70 dB SNR

Low Power: - Power Save Mode: 2 mW typ- Normal Operation: 25 mW typ

Fast Data Access Time: 57 ns

Small 24-Lead SOIC and 0.3" DIP Packages

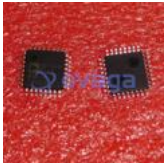
Related Products



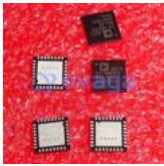
[ADAS3022BCPZ](#)
Analog Devices, Inc
LFCSP-40



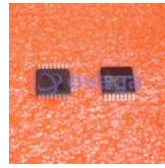
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TSSOP-24



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