

16-Bit, 1.33 MSPS PulSAR ADC in MSOP/QFN; Package: MSOP; No of Pins: 10;
Temperature Range: Industrial

Manufacturers	Analog Devices, Inc
Package/Case	MSOP-10
Product Type	Data Conversion ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD7983BRMZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The SPI-compatible serial interface also features the ability, using the SDI input, to daisy-chain several ADCs on a single, 3-wire bus and provides an optional busy indicator. It is compatible with 1.8 V, 2.5 V, 3 V, or 5 V logic, using the separate supply VIO.

The AD7983 is housed in a 10-lead MSOP or a 10-lead QFN1 (LFCSP) with operation specified from -40°C to $+85^{\circ}\text{C}$.

1QFN package in development. Contact sales for samples and availability.

Features

16-bit resolution with no missing codes

Throughput: 1.33 MSPS

Low power dissipation: 10.5 mW typical @ 1.33 MSPS

INL: ± 0.6 LSB typical, ± 1.25 LSB maximum

Pseudo differential analog input range 0 V to VREF with VREF between 2.9 V to 5.5 V Any input range and easy to drive with the ADA4841

SINAD: 91.6 dB @ 10 kHz

THD: -115 dB @ 10 kHz

No pipeline delay

Single-supply 2.5 V operation with 1.8 V/2.5 V/3 V/5 V logic interface

Serial interface SPI-/QSPI™-/MICROWIRE™-/DSP-compatible

Daisy-chain multiple ADCs and busy indicator

Application

Battery-powered equipment

Communications

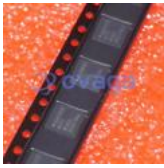
ATE

Data acquisitions

Medical instruments

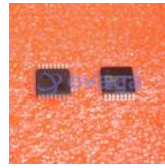


Related Products



[ADAS3022BCPZ](#)

Analog Devices, Inc
LFCSP-40



[AD7266BSUZ](#)

Analog Devices, Inc
TQFP-32



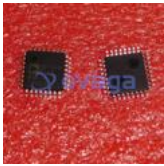
[AD574AJNZ](#)

Analog Devices, Inc
PDIP-28



[AD7401YRWZ](#)

Analog Devices, Inc
SOIC-16



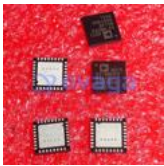
[AD7938BSUZ](#)

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