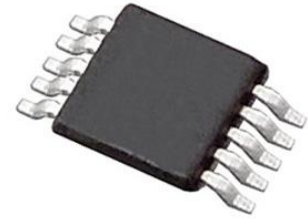


14-Bit, 250 kSPS PulSAR®, Pseudo Differential ADC in MSOP/QFN; Package: MSOP;
No of Pins: 10; Temperature Range: Industrial

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 AD7942BRMZ 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 a separate supply (VIO).

The AD7942 is housed in a 10-lead MSOP or a 10-lead LFCSP package yet fits in the same size footprint as the 8-lead MSOP or SOT-23. Operation for the AD7942 is specified from -40°C to +85°C.

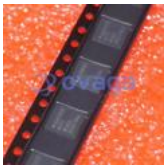
Features

- 14-bit resolution with no missing codes
- Throughput: 250 kSPS
- INL: ±0.4 LSB typical, ±1 LSB maximum (±0.0061% of FSR)
- SINAD: 85 dB @ 20 kHz
- THD: -100 dB @ 20 kHz
- Pseudo differential analog input range 0 V to VREF with VREF up to VDD
- No pipeline delay
- See Data Sheet for Additional Information

Application

- Battery-powered equipment
- Data acquisition
- Instrumentation
- Medical instruments
- Process controls

Related Products



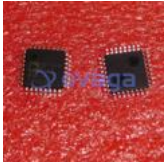
[ADAS3022BCPZ](#)

Analog Devices, Inc
LFCSP-40



[AD574AJNZ](#)

Analog Devices, Inc
PDIP-28



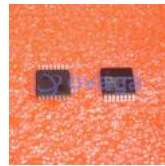
[AD7938BSUZ](#)

Analog Devices, Inc
TQFP-32



[AD7124-8BCPZ-RL7](#)

Analog Devices, Inc
LFCSP-32



[AD7266BSUZ](#)

Analog Devices, Inc
TQPF-32



[AD7401YRWZ](#)

Analog Devices, Inc
SOIC-16



[AD7192BRUZ-REEL](#)

Analog Devices, Inc
TSSOP-24



[AD9680BCPZ-500](#)

Analog Devices, Inc
LFCSP-64