

16-Bit, 1 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	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for AD7980BRMZ 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 AD7980 is housed in a 10-lead MSOP or a 10-lead QFN (LFCSP) with operation specified from -40°C to $+125^{\circ}\text{C}$.

Applications

Battery-powered equipment

Communications

ATE

Data acquisitions

Medical instruments

Features

16-bit resolution with no missing codes

Throughput: 1 MSPS

Low power dissipation 4 mW at 1 MSPS (VDD only) 7 mW at 1 MSPS (total) 70 μ W at 10 kSPS

INL: ± 0.6 LSB typical, ± 1.25 LSB maximum

SINAD: 91.25 dB at 10 kHz

THD: -110 dB at 10 kHz

See data sheet for additional features

AD7980-EP supports defense and aerospace applications (AQEC)

[Download\(pdf\)](#)

Controlled manufacturing baseline

One assembly/test site

One fabrication site

Enhanced product change notification

Qualification data available on request

Military temperature range: -55°C to $+125^{\circ}\text{C}$

V62/12640 DSCC Drawing Number

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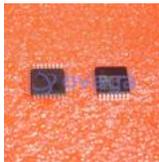
Medical instruments



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



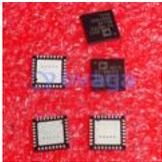
[AD7938BSUZ](#)

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