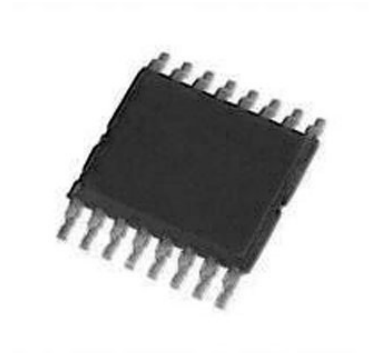


Analogue to Digital Converter, 24 bit, 19.79 SPS, Differential, SPI, Single, 2.7 V

Manufacturers	Analog Devices, Inc
Package/Case	TSSOP-16
Product Type	Data Conversion ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for AD7782BRUZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD7782 and AD7783 are 24-bit low cost, low power Sigma Delta ADCs intended for dc and low frequency ac measurement applications. They are Read-only ADCs and have no writeable registers. This leads to a very simple interface between ADC and controller. Since their power consumption is low, the devices can be loop powered, battery powered or locally powered. The two-setting on-chip PGA can accommodate either a low-level or high-level analog input with no external signal conditioning hardware. Operating options are pin-programmable, not software programmable.

Features

2-Channel, 24-Bit Σ - Δ ADC Pin Configurable (No Programmable Registers) Pin Selectable Input Channels Pin Programmable Input Ranges (± 2.56 V or ± 160 mV)

Fixed 19.79 Hz Update Rate

Simultaneous 50 Hz and 60 Hz Rejection

24-Bit No Missing Codes

18.5-Bit p-p Resolution (± 2.56 V Range)

On-Chip Functions Rail-Rail Input Buffer and PGA

16.5-Bit p-p Resolution (± 160 mV Range)

Interface Master or Slave Mode of Operation Slave Mode: 3-Wire Serial SPI®, QSPI™, MICROWIRE™, and DSP-Compatible Schmitt Trigger on SCLK

Power Specified for Single 3 V and 5 V Operation Normal: 1.3 mA @ 3 V Power-Down: 9 μ A

Application

Sensor
Measurement

Industrial Process
Control

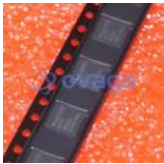
Temperature
Measurement

Pressure
Measurements

Weigh Scales

Portable
Instrumentation

Related Products



[ADAS3022BCPZ](#)

Analog Devices, Inc
LFCSP-40



[AD574AJNZ](#)

Analog Devices, Inc
PDIP-28



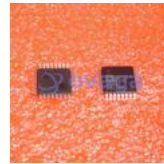
[AD7938BSUZ](#)

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