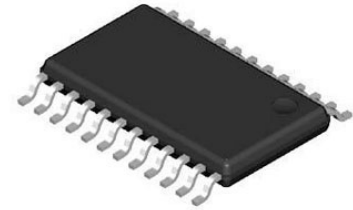


4-Channel Single ADC Delta-Sigma 4.8ksps 24-bit Serial 24-Pin TSSOP T/R

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	TSSOP-24
Product Type	Data Conversion ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD7190BRUZ-REEL or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The device can be configured to have two differential inputs or four pseudo differential inputs. The on-chip channel sequencer allows several channels to be enabled, and the AD7190 sequentially converts on each enabled channel. This simplifies communication with the part. The on-chip 4.92 MHz clock can be used as the clock source to the ADC or, alternatively, an external clock or crystal can be used. The output data rate from the part can be varied from 4.7 Hz to 4.8 kHz.

The device has two digital filter options. The choice of filter affects the rms noise/noise-free resolution at the programmed output data rate, the settling time, and the 50 Hz/60 Hz rejection. For applications that require all conversions to be settled, the AD7190 includes a zero latency feature.

The part operates with 5 V analog power supply and a digital power supply from 2.7 V to 5.25 V. It consumes a current of 6 mA. It is housed in a 24-lead TSSOP package.

## Features

RMS noise: 8.5 nV @ 4.7 Hz>

16 noise free bits @ 2.4 kHz>

Up to 22.5 noise free bits>

Offset drift: 5 nV/°C

Gain drift: 1 ppm/°C

Specified drift over time

2 differential/4 pseudo differential input channels

Qualified for automotive applications

See Data Sheet for Additional Information

## Application

Weigh scales

Strain gauge transducers

Pressure measurement

Temperature measurement

Chromatography

PLC/DCS analog input modules

Data acquisition

Medical and scientific instrumentation

## Related Products



### [ADAS3022BCPZ](#)

Analog Devices, Inc  
LFCSP-40



### [AD574AJNZ](#)

Analog Devices, Inc  
PDIP-28



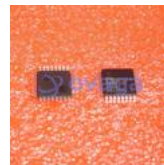
### [AD7938BSUZ](#)

Analog Devices, Inc  
TQFP-32



### [AD7124-8BCPZ-RL7](#)

Analog Devices, Inc  
LFCSP-32



### [AD7266BSUZ](#)

Analog Devices, Inc  
TQFP-32



### [AD7401YRWZ](#)

Analog Devices, Inc  
SOIC-16



### [AD7192BRUZ-REEL](#)

Analog Devices, Inc  
TSSOP-24



### [AD9680BCPZ-500](#)

Analog Devices, Inc  
LFCSP-64