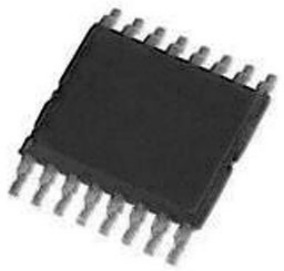
AD7796BRUZ

Data Sheet

Analogue to Digital Converter, Sigma Delta, 16 bit, 123 SPS, Differential, 3 Wire, Serial, Single

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



Images are for reference only

Please submit RFQ for AD7796BRUZ or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The AD7796/AD7797 are complete, analog front ends for highprecision, bridge sensor applications such as weigh scales. TheAD7796/AD7797 contain a Σ-Δ ADC capable of 16-/24-bitresolution, respectively. The on-chip instrumentation amplifierhas a fixed gain of 128, allowing small amplitude signals such asthose from bridge sensors to be directly interfaced to the ADC.

Each device has one differential input and contains a temperaturesensor that is internally connected to the ADC. This sensor canbe used to perform temperature compensation of the bridge.

The devices can be operated with the internal clock or an externalclock. The output data rate from the devices is software-programmableand can be varied from 4.17 Hz to 123 Hz.

The AD7796/AD7797 operate with a power supply from 2.7 Vto 5.25 V. Each device consumes a current of 250 µA typical andis housed in a 16-lead TSSOP.

Features

RMS noise: 65 nV

Instrumentation amp

Temperature sensor

Internal clock oscillator

Simultaneous 50 Hz/60 Hz rejection

Update rate range: 4.17 Hz to 123 Hz

Current: 250 µA typ

Power-down: 1 µA

Power supply range: 2.7 V to 5.25 V

Independent interface power supply

16-lead TSSOP

Application

Weigh scales

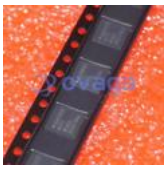
Strain gages

Industrial process control

Instrumentation

Portable instrumentation

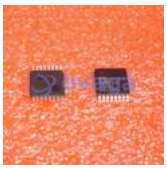
Related Products



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