

16-Bit Sigma Delta ADC with Current Sources, Switchable Reference Inputs and I/O Port;
 Package: TSSOP; No of Pins: 24; Temperature Range: Industrial

Manufacturers	Analog Devices, Inc
Package/Case	TSSOP-24
Product Type	Data Conversion ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD7709ARUZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD7709 is a complete analog front-end for low frequency measurement applications. The AD7709 contains a 16-bit sigma delta ADC with PGA and can be configured as 2 fully-differential input channels or 4 pseudo-differential input channels. Inputs signal ranges from 20mV to 2.56V can be directly converted using the AD7709. These signals can be converted directly from a transducer without the need for signal conditioning. Other on-chip features include three software configurable current sources, switchable reference inputs, low side power switches and a 4-bit digital I/O port.

Features

16-Bit Σ - Δ ADC

Simultaneous 50 Hz and 60 Hz Rejection at 20 Hz Update Rate

VREF Select™ Allows Absolute and Ratiometric Measurement Capability

Programmable Gain Front End

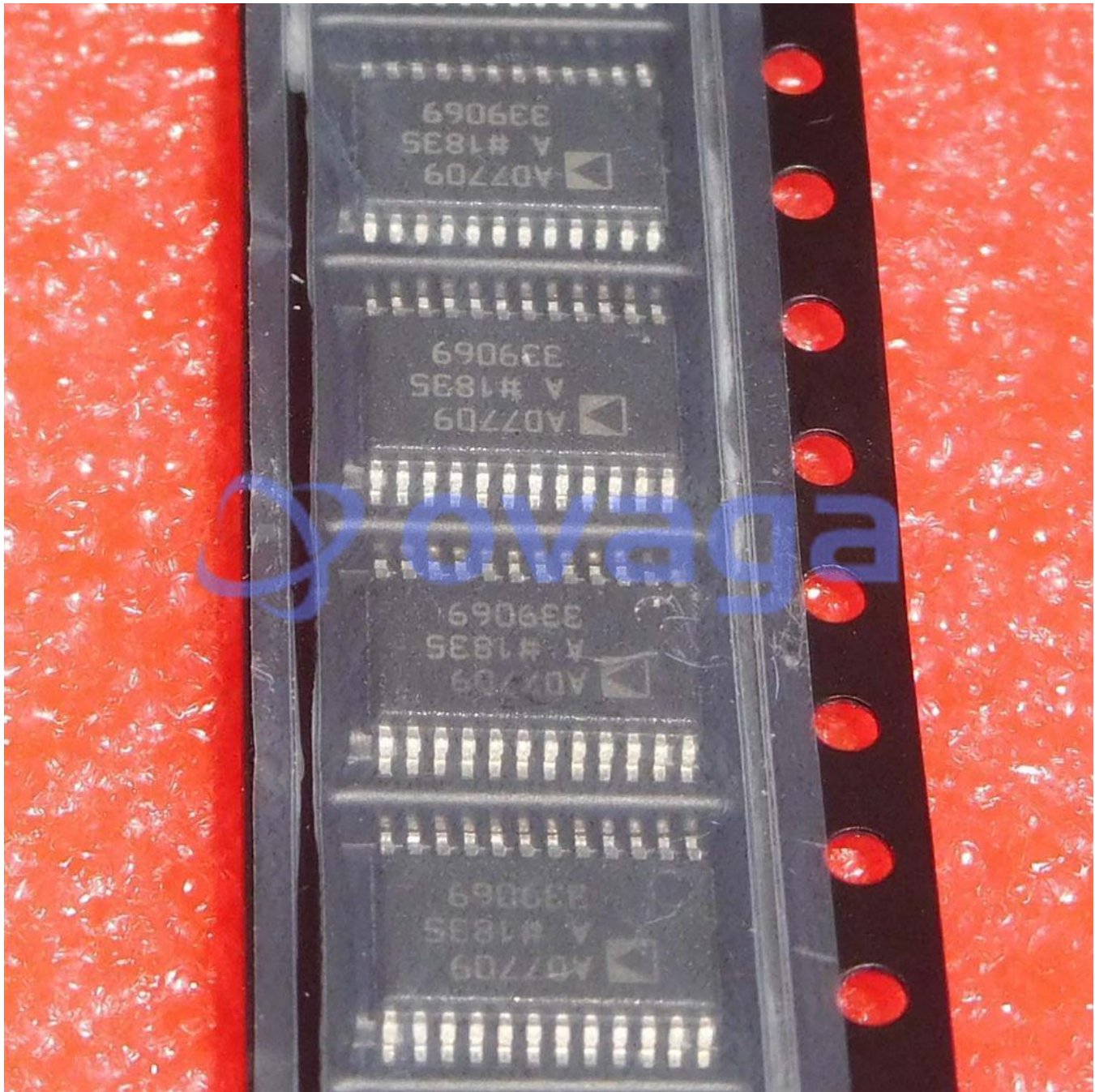
ISOURCE Select™

16-Bit No Missing Codes

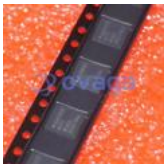
13-Bit p-p Resolution @ 20 Hz, 20 mV Range

16-Bit p-p Resolution @ 20 Hz, 2.56 V Range





Related Products



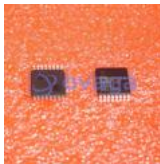
[ADAS3022BCPZ](#)

Analog Devices, Inc
LFCSP-40



[AD574AJNZ](#)

Analog Devices, Inc
PDIP-28



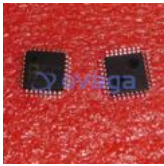
[AD7266BSUZ](#)

Analog Devices, Inc
TQPF-32



[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