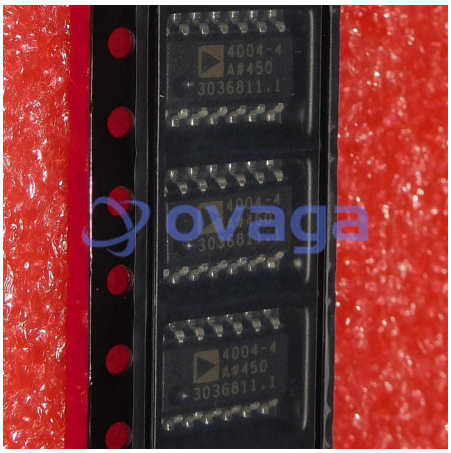
ADA4004-4ARZ-R7

Data Sheet

1.8 nV/root Hz, 36 V Precision Quad Amplifier

Manufacturers	Analog Devices, Inc
Package/Case	SOIC-14
Product Type	Amplifier ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADA4004-4ARZ-R7 or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The ADA4004-1/ADA4004-2/ADA4004-4 are 1.8 nV/√Hz precision amplifiers featuring 40 µV offset, 0.7 µV/°C drift, 12 MHz bandwidth, and low 1.7 mA per amplifier supply current.

The ADA4004-1/ADA4004-2/ADA4004-4 are designed on the high performance iPolar™ process, enabling improvements such as reduced noise and power consumption, increased speed and stability, and smaller footprint size. Novel design techniques enable the ADA4004-1/ADA4004-2/ADA4004-4 to achieve 1.8 nV/√Hz voltage noise density and a low 6 Hz 1/f noise corner frequency while consuming just 1.7 mA per amplifier. The small package saves board space, reduces cost, and improves layout flexibility.

Applications for these amplifiers include high precision controls, PLL filters, high performance precision filters, medical and analytical instrumentation, precision power supply controls, ATE, and data acquisition systems. Operation is fully specified from ±5 V to ±15 V from −40°C to +125°C.

The ADA4004-1, ADA4004-2, and ADA4004-4 are members of a growing series of low noise op amps offered by Analog Devices, Inc. (see Table 1).

Features

Very low voltage noise: 1.8 nV/√Hz

Low input bias current: 90 nA maximum

Offset voltage: 125 µV maximum

High gain: 120 dB

Wide bandwidth: 12 MHz

Application

Precision instrumentation

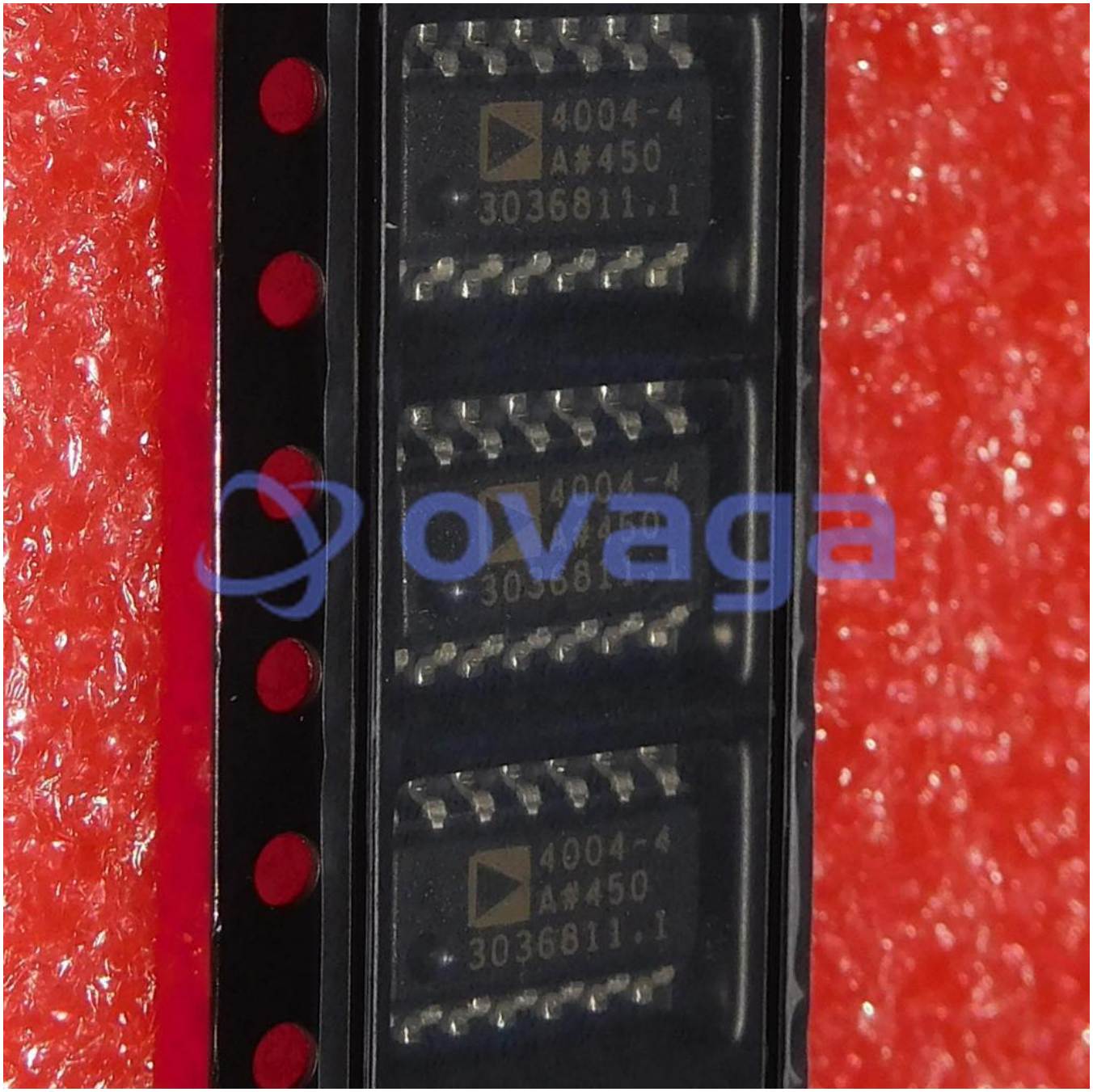
Filter blocks

Microphone preamplifiers

Industrial control

Thermocouples and RTDs

Reference buffers



Related Products

[AD8418BRMZ-RL]

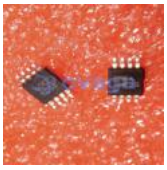
Analog Devices, Inc

MSOP-8

[ADA4528-2ARMZ-R7]

Analog Devices, Inc

MSOP-8



[ADA4084-2ARMZ]

Analog Devices, Inc

MSOP-8

[AD8062ARMZ]

Analog Devices, Inc

MSOP8

[AD8567ARUZ]

Analog Devices, Inc

TSSOP-14

[AD8628AUJZ]

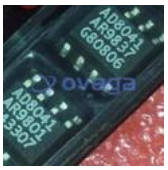
Analog Devices, Inc

SOP23

[AD8022ARMZ]

Analog Devices, Inc

MSOP-8



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Analog Devices, Inc

SOP-8