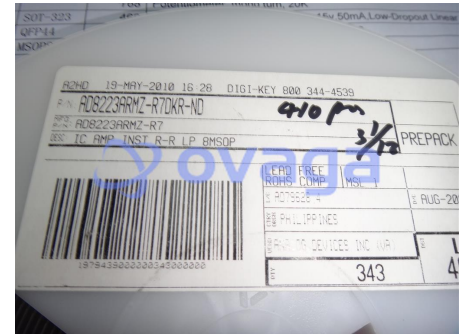


Instrument Amplifier, 1 Amplifier, 250  $\mu$ V, 0.2 V/ $\mu$ s, 125 kHz,  $\pm$  2V to  $\pm$  12V, 3V to 24V, MSOP

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	MSOP-8
Product Type	Amplifier ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD8223ARMZ-R7 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The AD8223 is simple to use: one resistor sets the gain. With no external resistor, the AD8223 is configured for  $\times$ 1.

The AD8223 has a wide input common-mode range and can amplify signals that have a 150 mV common-mode voltage below ground. Although the design of the AD8223 is optimized to operate from a single supply, the AD8223 still provides excellent performance when operated from a dual voltage supply ( $\pm$ 2 V to  $\pm$ 12 V).

Low power consumption (1.5 mW at 3 V), wide supply voltage range, and rail-to-rail output swing make the AD8223 ideal for battery-powered applications. The rail-to-rail output stage maximizes the dynamic range when operating from low supply voltages. The AD8223 replaces discrete instrumentation amplifier designs and offers superior linearity, temperature stability, and reliability in a minimum of space.

## Features

Gain set with 1 resistor per  $\times$ 1

Inputs Voltage range to 150 mV below negative rail  
 25 nA maximum input bias current  
 30 nV/ $\sqrt$ Hz, RTI noise @ 1 kHz

Power supplies Dual supply:  $\pm$ 2V to  $\pm$ 12V Single supply: 3V to 24V  
 500  $\mu$ A maximum supply current

## Application

Low power medical instrumentation

Transducer interface

Thermocouple amplifiers

Industrial process controls

Difference amplifiers

Low power data acquisition

SOT-323  
QFP44  
MSOP8  
700 Potentiometer 100k Ohm, 20K  
400  
1.5V, 50mA, Low-Dropout Linear

A2HD 19-MAY-2010 16:28 DIGI-KEY 800 344-4539

P/N: AD8223ARMZ-R7DKR-ND

410 pm

MFG P/N: AD8223ARMZ-R7

DESC: IC AMP INST R-R LP 8MSOP

3 1/12

PREPACK



1979439002200343000000

LEAD FREE ROHS COMP	MSL 1	
QTY AD79825 4		D/C AUG-20
CTRY ORIGIN PHILIPPINES		
UFI NO ANALOG DEVICES INC (VA)		TEST
DITY	343	4

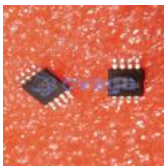


## Related Products



### [AD8418BRMZ-RL](#)

Analog Devices, Inc  
MSOP-8



### [ADA4084-2ARMZ](#)

Analog Devices, Inc  
MSOP-8



### [AD8567ARUZ](#)

Analog Devices, Inc  
TSSOP-14



### [AD8022ARMZ](#)

Analog Devices, Inc  
MSOP-8



### [ADA4528-2ARMZ-R7](#)

Analog Devices, Inc  
MSOP-8



### [AD8062ARMZ](#)

Analog Devices, Inc  
MSOP8



### [AD8628AUJZ](#)

Analog Devices, Inc  
SOP23



### [AD8041AR](#)

Analog Devices, Inc  
SOP-8