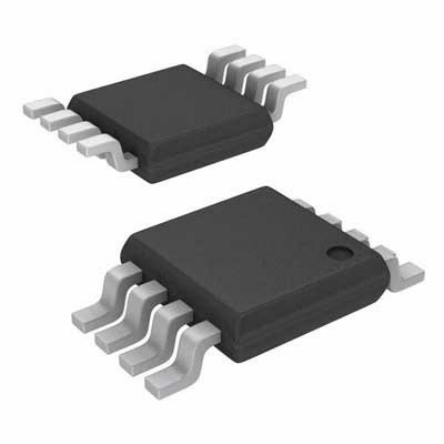
AD8227ARMZ-R7

Data Sheet

Wide Supply Range, Rail-to-Rail Output Instrumentation Amplifier; Package: 8-pin; Temperature Range: -40°C to +125°C

Manufacturers	Analog Devices, Inc
Package/Case	MSOP-8
Product Type	Amplifier ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD8227ARMZ-R7 or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The robust AD8227 inputs are designed to connect to real-world sensors. In addition to its wide operating range, the AD8227 can handle voltages beyond the rails. For example, with a ±5 V supply, the part is guaranteed to withstand ±35 V at the input with no damage. Minimum as well as maximum input bias currents are specified to facilitate open wire detection.The AD8227 is ideal for multichannel, space-constrained applications. With its MSOP package and 125°C temperature rating, the AD8227 thrives in tightly packed, zero airflow designs.

The AD8227 is available in 8-pin MSOP and SOIC packages. It is fully specified for −40°C to +125°C operation.

For a similar instrumentation amplifier with a gain range of 1 to 1000, see theAD8226.

Applications
Industrial process controls

Bridge amplifiers

Medical instrumentation

Portable data acquisition

Multichannel systems

Features

Gain set with 1 external resistorGain range: 5 to 1000

Input voltage goes below ground

Inputs protected beyond supplies

Very wide power supply rangeSingle supply: 2.2 V to 36 VDual supply: ±1.5 V to ±18 V

Bandwidth>

CMRR>

Input noise: 24 nV/√Hz

Typical supply current: 350 µA

Specified temperature: −40°C to +125°C

8-lead SOIC and MSOP packages

Application

Industrial process controls

Bridge amplifiers

Medical instrumentation

Portable data acquisition

Multichannel systems

Related Products

AD8418BRMZ-RL

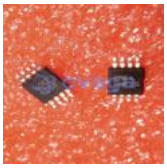
Analog Devices, Inc

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

AD8041AR

Analog Devices, Inc

SOP-8