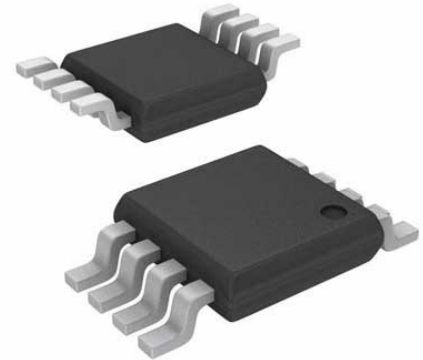


Operational Amplifier, Dual, 2 Amplifier, 200 kHz, 70 V/ μ s, 2.7V to 18V, MSOP, 8 Pins

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



Images are for reference only

Please submit RFQ for AD8657ARMZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD8657/AD8659 are dual and quad micropower, precision, rail-to-rail input/output amplifiers optimized for low power and wide operating supply voltage range applications.

The AD8657/AD8659 operate from 2.7 V to 18 V with a typical quiescent supply current of 18 μ A. The devices use the Analog Devices, Inc., patented DigiTrim[®] trimming technique, which achieves low offset voltage. The AD8657/AD8659 also have high immunity to electromagnetic interference.

The combination of low supply current, low offset voltage, very low input bias current, wide supply range, and rail-to-rail input and output make the AD8657/AD8659 ideal for current monitoring in process and motor control applications. The combination of precision specifications makes these devices ideal for dc gain and buffering of sensor front ends or high impedance input sources in wireless or remote sensors or transmitters.

The AD8657/AD8659 are specified over the extended industrial temperature range (-40°C to $+125^{\circ}\text{C}$). The AD8657 is available in an 8-lead MSOP package and an 8-lead LFCSP package; the AD8659 is available in a 14-lead SOIC package and 16-lead LFCSP package.

Features

Micropower at high voltage (18 V): 22 μ A maximum

Low offset voltage: 350 μ V maximum

Low input bias current: 20 pA maximum

Gain bandwidth product: 230 kHz at \geq

Unity-gain crossover: 230 kHz

Single-supply operation: 2.7 V to 18 V

Dual-supply operation: \pm 1.35 V to \pm 9 V

Unity-gain stable

Excellent electromagnetic interference immunity

Application

Portable operating systems

Current monitors

4 mA to 20 mA loop drivers

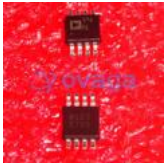
Buffer/level shifting

Multipole filters

Remote/wireless sensors

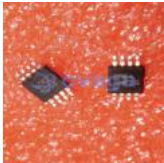
Low power transimpedance amplifiers

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