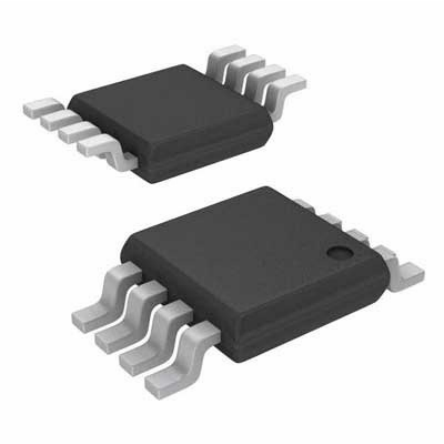
AD8219BRMZ

Data Sheet

Current Sense Amplifier, Unidirectional, 1 Amplifier, 130 µA, MSOP, 8 Pins, -40 °C, 125 °C

Manufacturers	Analog Devices, Inc
Package/Case	MSOP-8
Product Type	Specialty Amplifiers ; Current Sense Amplifiers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD8219BRMZ or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The AD8219 is a high voltage, high resolution, current shunt amplifier. It features a set gain of 60 V/V, with a maximum ±0.3% gain error over the entire temperature range. The buffered output voltage directly interfaces with any typical converter. The AD8219 offers excellent input common-mode rejection from 4 V to 80 V. The AD8219 performs unidirectional current measurements across a shunt resistor in a variety of industrial and telecom applications including motor control, power management, and base station power amplifier bias control.

The AD8219 offers breakthrough performance throughout the −40°C to +125°C temperature range. It features a zero drift core, which leads to a typical offset drift of ±100 nV/°C throughout the operating temperature and common-mode voltage range. Special attention is devoted to output linearity being maintained throughout the input differential voltage range, regardless of the common-mode voltage present, while the typical input offset voltage is ±50 µV.

The AD8219 is offered in a 8-lead MSOP package.

Features

High common-mode voltage range-- 4 V to 80 V operating-- -0.3 V to +85 V survival

Buffered output>

Wide operating temperature range: −40°C to +125°C

Excellent ac and dc performance-- ±100 nV/°C typical offset drift-- ±50 µV typical offset-- ±5 ppm/°C typical gain drift-- 110 dB typical CMRR at dc

Application

48 V telecom

Power management

Base stations

Unidirectional motor control

Precision high voltage current sources

Related Products

[ADP3336ARMZ-REEL7]

Analog Devices, Inc

MSOP-8

[AD737JRZ]

Analog Devices, Inc

SOP-8

[ADP3367ARZ]

Analog Devices, Inc

SOIC-8

[AD636JH]

Analog Devices, Inc

TO-100-10

[ADP3330ARTZ3.3-RL7]

Analog Devices, Inc

SOT-23-6

[ADR434BRZ]

Analog Devices, Inc

SOIC-8

[ADR421ARZ]

Analog Devices, Inc

SOP-8

[ADR3412ARJZ-R7]

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SOT-23-6