

Current Sense Amplifier, Bidirectional, 2 Amplifier, SOIC, 8 Pins, -40 °C, 125 °C

Manufacturers	Analog Devices, Inc
Package/Case	SOP8
Product Type	PMIC - Current Regulation/Management
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for AD8210YRZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD8210 is offered in a SOIC package. The operating temperature range is -40°C to $+125^{\circ}\text{C}$.

Excellent ac and dc performance over temperature keep errors in the measurement loop to a minimum. Offset drift and gain drift are guaranteed to a maximum of $8\ \mu\text{V}/^{\circ}\text{C}$ and $20\ \text{ppm}/^{\circ}\text{C}$, respectively.

The output offset can be adjusted from 0.05 V to 4.9 V with a 5 V supply by using the VREF1 pin and the VREF2 pin. With the VREF1 pin attached to the V+ pin and the VREF2 pin attached to the GND pin, the output is set at half scale. Attaching both VREF1 and VREF2 to GND causes the output to be unipolar, starting near ground. Attaching both VREF1 and VREF2 to V+ causes the output to be unipolar, starting near V+. Other offsets can be obtained by applying an external voltage to VREF1 and VREF2.

Features

High common-mode voltage range -2 V to +65 V operating -5 V to +68 V survival

Buffered output voltage

5 mA output drive capability

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

Ratiometric half-scale output offset

Excellent ac and dc performance 1 $\mu\text{V}/^\circ\text{C}$ typical offset drift 10 ppm/°C typical gain drift 120 dB typical CMRR at dc 80 dB typical CMRR at 100 kHz

Available in 8-lead SOIC

Application

Current sensing

Motor controls Transmission controls Diesel injection controls Engine management Suspension controls Vehicle dynamic controls DC-to-dc converters



Related Products



[ADP3336ARMZ-REEL7](#)

Analog Devices, Inc
MSOP-8



[AD737JRZ](#)

Analog Devices, Inc
SOP-8



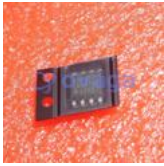
[ADP3367ARZ](#)

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[ADP3330ARTZ3.3-RL7](#)

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