AD8210WYRZ

Data Sheet

High Voltage, Bidirectional Current Shunt Monitor; Package: SOIC; No of Pins: 8; Temperature Range: Automotive

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

Images are for reference only

Please submit RFQ for AD8210WYRZ or Email to us: 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°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 µV/°C and 20 ppm/°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 performance1 µV/°C typical offset drift10 ppm/°C typical gain drift120 dB typical CMRR at dc80 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

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

Analog Devices, Inc

SOT-23-6