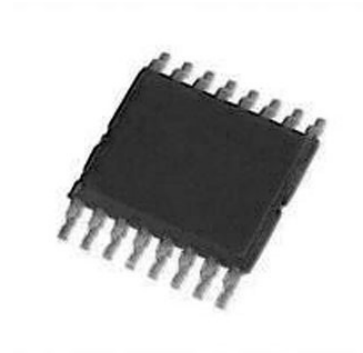


Digital to Analogue Converter, 12 bit, 50 kSPS, 3 Wire, Serial, 10.8V to 13.5V, $\pm 13.5V$ to $\pm 16.5V$

Manufacturers	Analog Devices, Inc
Package/Case	TSSOP-16
Product Type	Data Conversion ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD5530BRUZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD5530/AD5531 are single 12- and 14-bit (respectively) serial input, voltage output digital-to-analog converters (DAC).

They utilize a versatile 3-wire interface that is compatible with SPI®, QSPI™, MICROWIRE™, and DSP interface standards. Data is presented to the part in a 16-bit serial word format. Serial data is available on the SDO pin for daisy-chaining purposes. Data readback allows the user to read the contents of the DAC register via the SDO pin.

The DAC output is buffered by a gain of two amplifier and referenced to the potential at DUTGND. LDAC can be used to update the output of the DAC asynchronously. A power-down pin (PD) allows the DAC to be put into a low power state, and a CLR pin allows the output to be cleared to a user-defined voltage, the potential at DUTGND.

The AD5530/AD5531 are available in 16-lead TSSOP.

Features

12-Bit CMOS DAC with On-Chip Voltage Reference Output Amplifier -5 V to +5 V Output Range

Serial Interface

300 kHz DAC Update Rate

Small size: 8-Pin Mini-DIP

Nonlinearity: $\pm 1/2$ LSB T_{min} to T_{max}

Low Power Dissipation: 100 mW Typ

Application

Industrial automation

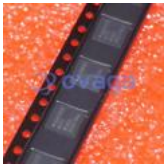
Automatic test equipment

Process control

General-purpose instrumentation

Data Sheet, Rev. B, 1/07

Related Products



[ADAS3022BCPZ](#)
Analog Devices, Inc
LFCSP-40



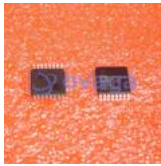
[AD574AJNZ](#)
Analog Devices, Inc
PDIP-28



[AD7938BSUZ](#)
Analog Devices, Inc
TQFP-32



[AD7124-8BCPZ-RL7](#)
Analog Devices, Inc
LFCSP-32



[AD7266BSUZ](#)
Analog Devices, Inc
TQPF-32



[AD7401YRWZ](#)
Analog Devices, Inc
SOIC-16



[AD7192BRUZ-REEL](#)
Analog Devices, Inc
TSSOP-24



[AD9680BCPZ-500](#)
Analog Devices, Inc
LFCSP-64