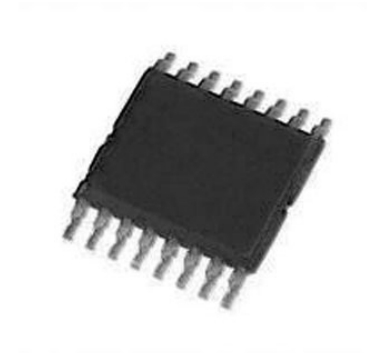


Digital to Analogue Converter, 14 bit, 3 Wire, Serial, 4.5V to 5.5V, TSSOP, 16 Pins

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	TSSOP-16
Product Type	Data Conversion ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD5555CRUZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The AD5545/AD5555 are 16-bit/14-bit, current-output, digital-to-analog converters designed to operate from a single 5 V supply with bipolar output up to  $\pm 15$  V capability.

An external reference is needed to establish the full-scale output-current. An internal feedback resistor (RFB) enhances the resistance and temperature tracking when combined with an external op amp to complete the I-to-V conversion.

A serial data interface offers high speed, 3-wire microcontroller compatible inputs using serial data in (SDI), clock (CLK), and chip select (CS). Additional LDAC function allows simultaneous update operation. The internal reset logic allows power-on preset and dynamic reset at either zero or midscale, depending on the state of the MSB pin.

The AD5545/AD5555 are packaged in the compact TSSOP-16 package and can be operated from  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ .

## Features

14-bit resolution

2 mA full-scale current  $\pm 20\%$ , with  $>$

0.5  $\mu$ s settling time

2Q multiplying reference-input 6.9 MHz BW

Zero or midscale power-up preset

Zero or midscale dynamic reset

3-wire interface

Compact TSSOP-16 package

## Application

Automatic test equipment

Instrumentation

Digitally controlled calibration

Industrial control PLCs

Programmable attenuator

## Related Products



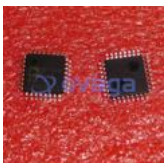
[ADAS3022BCPZ](#)

Analog Devices, Inc  
LFCSP-40



[AD574AJNZ](#)

Analog Devices, Inc  
PDIP-28



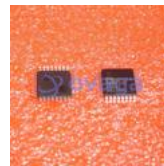
[AD7938BSUZ](#)

Analog Devices, Inc  
TQFP-32



[AD7124-8BCPZ-RL7](#)

Analog Devices, Inc  
LFCSP-32



[AD7266BSUZ](#)

Analog Devices, Inc  
TQFP-32



[AD7401YRWZ](#)

Analog Devices, Inc  
SOIC-16



[AD7192BRUZ-REEL](#)

Analog Devices, Inc  
TSSOP-24



[AD9680BCPZ-500](#)

Analog Devices, Inc  
LFCSP-64