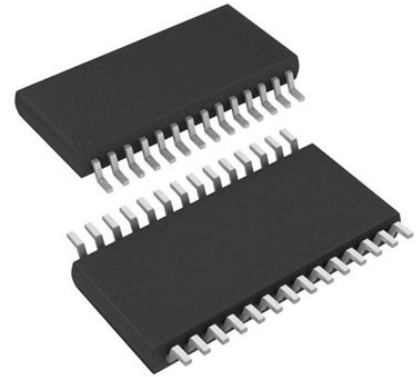


Current-Output Parallel-Input, 14-Bit Digital-to-Analog Converter

Manufacturers	Analog Devices, Inc
Package/Case	TSSOP-28
Product Type	Data Conversion ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD5556CRUZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD5546/AD5556 are precision 16-/14-bit, multiplying, lowpower, current output, parallel input D/A converters. They operate from a single 2.7 V to 5.5 V supply with ± 10 V multiplying references for 4-quadrant outputs. Built-in 4-quadrant resistors facilitate the resistance matching and temperature tracking that minimize the number of components needed for multi-quadrant applications. The feedback resistor (RFB) simplifies the I-V conversion with an external buffer. The AD5546/AD5556 are packaged in compact TSSOP-28 packages with operating temperatures from -40°C to $+125^{\circ}\text{C}$.

Features

14-bit resolution - AD5556

16-bit resolution - AD5546

2- or 4-quadrant multiplying DAC

Operating supply voltage: 2.7 V to 5.5 V

Low noise: 12 nV/ $\sqrt{\text{Hz}}$

Low power:>

0.5 μs Settling Time

Built-in RFB Facilitates Voltage Conversion

Built-in 4-quadrant resistors allow 0 V to -10 V, 0 V to $+10$ V, or ± 10 V outputs

2 mA Full Scale Current $\pm 20\%$, with>

See data sheet for additional features

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