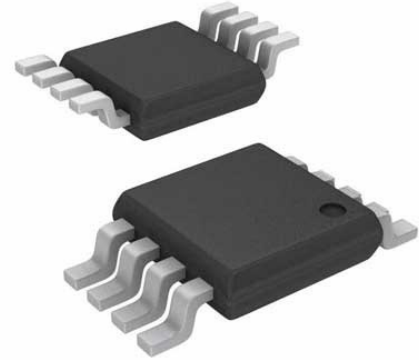


Digital to Analog Converters - DAC 2.7-5.5V Serial Inpt Dual VOut 8B

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	MSOP-8
Product Type	Data Conversion ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD7303BRMZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The AD7303 is a dual, 8-bit voltage out DAC that operates from a single +2.7 V to +5.5 V supply. Its on-chip precision output buffers allow the DAC outputs to swing rail to rail. This device uses a versatile 3-wire serial interface that operates at clock rates up to 30 MHz, and is compatible with QSPI, SPI, microwire and digital signal processor interface standards. The serial input register is sixteen bits wide; 8 bits act as data bits for the DACs, and the remaining eight bits make up a control register.

The on-chip control register is used to address the relevant DAC, to power down the complete device or an individual DAC, to select internal or external reference and to provide a synchronous loading facility for simultaneous update of the DAC outputs with a software LDAC function.

The low power consumption of this part makes it ideally suited to portable battery operated equipment. The power consumption is 7.5 mW max at 3 V, reducing to less than 3  $\mu$ W in full power-down mode.

The AD7303 is available in an 8-pin plastic dual in-line package, 8-lead SOIC and microSOIC packages.

## Features

Two 8-Bit DACs in One Package

8-Pin DIP/SOIC and microSOIC Packages

Internal & External Reference Capability

Three-Wire Serial Interface QSPI™, SPI™ and Microwire™ Compatible

Individual DAC Power-Down Function

On-Chip Output Buffer Rail-to-Rail Operation

On-Chip Control Register

Low Power Operation: 2.3 mA @3.3 V

Full Power-Down to 1  $\mu$ A max, typically 80 nA

## Related Products



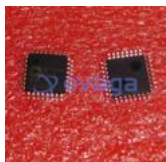
[ADAS3022BCPZ](#)

Analog Devices, Inc  
LFCSP-40



[AD574AJNZ](#)

Analog Devices, Inc  
PDIP-28



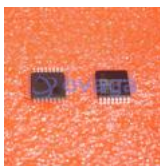
[AD7938BSUZ](#)

Analog Devices, Inc  
TQFP-32



[AD7124-8BCPZ-RL7](#)

Analog Devices, Inc  
LFCSP-32



[AD7266BSUZ](#)

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TQPF-32



[AD7401YRWZ](#)

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[AD7192BRUZ-REEL](#)

Analog Devices, Inc  
TSSOP-24



[AD9680BCPZ-500](#)

Analog Devices, Inc  
LFCSP-64