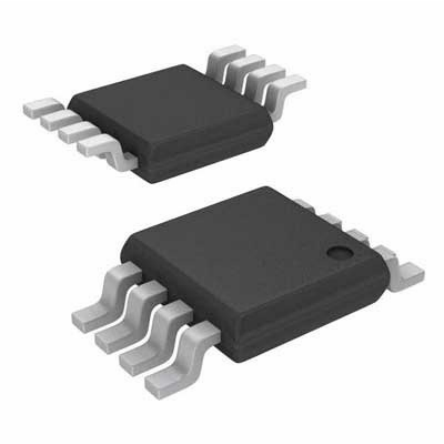
AD5320BRMZ

Data Sheet

2.7 V to 5.5 V, 140 µA, Rail-to-Rail Voltage Output 12-Bit DAC in SOT-23 and MicroSOIC Packages; Package: MSOP; No of Pins: 8; Temperature Range: Commercial

Manufacturers	Analog Devices, Inc
Package/Case	MSOP-8
Product Type	Data Conversion ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD5320BRMZ or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The AD5320 is a single, 12-bit buffered voltage out DAC that operates from a single +2.7 V to +5.5 V supply consuming 115 µA at 3 V. Its on-chip precision output amplifier allows rail-to-rail output swing to be achieved. The AD5320 utilizes a versatile three-wire serial interface that operates at clock rates up to 30 MHz and is compatible with standard SPI ™,QSPI ™, MICROWIRE ™ and DSP interface standards.

Product Highlights

Available in 6-lead SOT-23 and 8-lead MicroSOIC packages

Low power, single supply operation from 2.7 V to 5.5 V

Consumes 0.35 mW at 3 V and 0.7 mW at 5 V

Rail-to-Rail output with a slew rate of 1 V/µs

Reference derived from the power supply

High speed serial interface with clock speeds up to 30 MHz

Pin and Software Compatible with the AD5300 (8-Bit) and the AD5310 (10-bit)

Features

Micropower: 140 µA @ 5 V, 115 µA @ 3 V

Power-Down to 200 nA @ 5 V, 50 nA @ 3 V

Guaranteed Monotonic by design

Power-On-Reset to Zero Volts

Three Power-Down Functions

SYNC(active low) Interrupt Facility

Low Power, SPI™, QSPI™, MICROWIRE™ and DSP-Compatible 3-Wire Serial Interface

Output Buffer Amplifier with Rail-to-Rail Operation

Temperature Range: -40°C to 105°C

Three Power-Down Functions

Application

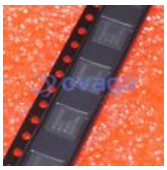
Portable battery-powered instruments

Digital gain and offset adjustment

Programmable voltage and current sources

Programmable attenuators

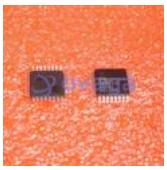
Related Products



ADAS3022BCPZ

Analog Devices, Inc

LFCSP-40



AD7266BSUZ

Analog Devices, Inc

TQPF-32

AD574AJNZ

Analog Devices, Inc

PDIP-28

AD7401YRWZ

Analog Devices, Inc

SOIC-16

AD7938BSUZ

Analog Devices, Inc

TQFP-32

AD7192BRUZ-REEL

Analog Devices, Inc

TSSOP-24

AD7124-8BCPZ-RL7

Analog Devices, Inc

LFCSP-32

AD9680BCPZ-500

Analog Devices, Inc

LFCSP-64