
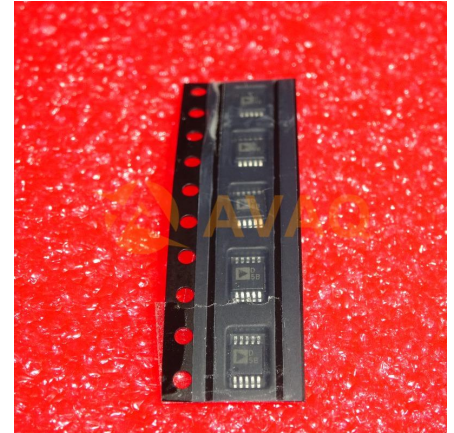


DAC 2-CH Resistor-String 8-bit 10-Pin MSOP Tube

Manufacturer:	Analog Devices, Inc
Package/Case:	MSOP10
Product Type:	Data Conversion ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The AD5302/AD5312/AD5322 are dual 8-, 10- and 12-bit buffered voltage output DACs in a 10-lead mSOIC package that operate from a single +2.5 V to +5.5 V supply consuming 230 mA at 3 V. Their on-chip output amplifiers allow the outputs to swing rail-to-rail with a slew rate of 0.7 V/ms. The AD5302/AD5312/AD5322 utilize a versatile 3-wire serial interface which operates at clock rates up to 30 MHz and is compatible with standard SPI™, QSPI™, MICROWIRE™ and DSP interface standards.

Product Highlights

- Available in 10-lead MicroSOIC packages.
- Low power, single supply operation from 2.5 V to 5.5 V supply
- Consumes 0.7mW at 3 V and 1.5 mW at 5 V
- DNL of less than 0.25 LSB.
- Rail-to-Rail output with a slew rate of 0.7 V/μs
- Utilizes a versatile 3-wire serial interface with clock rates up to 30 MHz
- Pin and Software Compatible with the AD5312 (10-Bit) and the AD5322 (12-bit)

Key Features

Two 8-Bit DACS in one package

Micropower: 300 μ A @ 5 V (including Reference Current)

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

Guaranteed Monotonic by Design

Power-On-Reset to Zero Volts

Buffered/Unbuffered Reference Input Options

O-VREF Output Voltage

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

Output Buffer Amplifiers with Rail-to-Rail Operation Simultaneous Update of DAC Outputs via LDAC pin (active low)

Temperature Range:-40°C to 105°C

Three Power-Down Functions

Application

Available in 10-lead MicroSOIC packages.

Low power, single supply operation from 2.5 V to 5.5 V supply

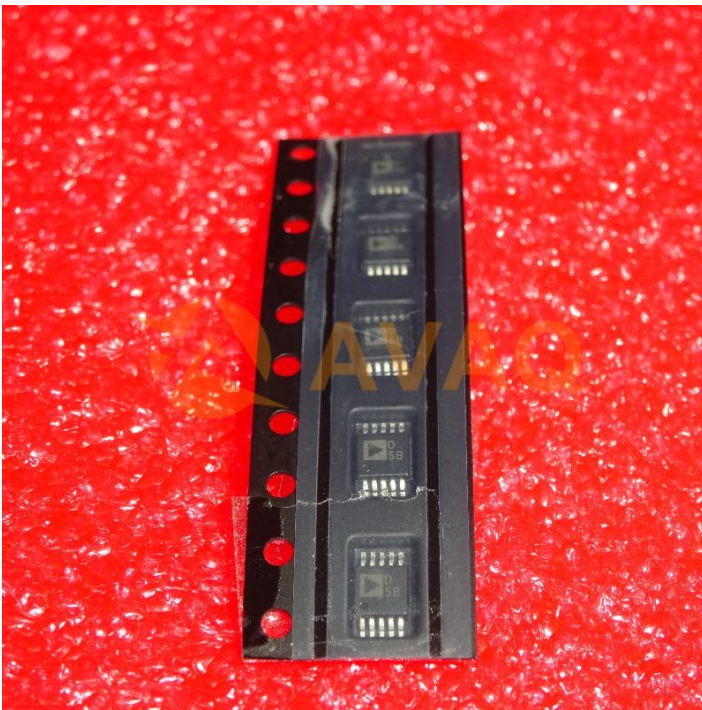
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Rail-to-Rail output with a slew rate of 0.7 V/ μ s

Utilizes a versatile 3-wire serial interface with clock rates up to 30 MHz

Pin and Software Compatible with the AD5312 (10-Bit) and the AD5322 (12-bit)



Recommended For You

AD7305BRZ

Analog Devices, Inc

SOP20

AD9910BSVZ

Analog Devices, Inc

TQFP100

AD9831ASTZ

Analog Devices, Inc

QFP

AD5447YRUZ

Analog Devices, Inc
TSSOP

AD5531BRUZ

Analog Devices, Inc
TSSOP16

AD537JH

Analog Devices, Inc
CAN10

AD652AQ

Analog Devices, Inc
DIP

AD654JN

Analog Devices, Inc
DIP8

AD7740YRMZ

Analog Devices, Inc
MSOP8

AD9914BCPZ

Analog Devices, Inc
LFCSP

AD73311ARSZ

Analog Devices, Inc
SSOP20

AD7291BCPZ

Analog Devices, Inc
LFCSP20

AD9954YSVZ

Analog Devices, Inc
QFP

AD2S1205YSTZ

Analog Devices, Inc
LQFP44

AD9835BRUZ

Analog Devices, Inc
TSSOP16