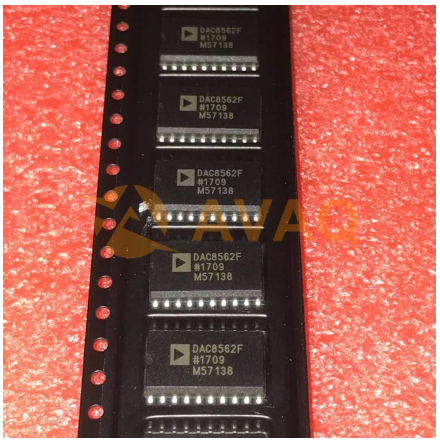
DAC8562FSZ

DAC 1-CH R-2R 12-bit 20-Pin SOIC W Tube

Manufacturer:	Analog Devices, Inc
Package/Case:	SOP20
Product Type:	Data Conversion ICs
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Active



Images are for reference only

Inquiry

General Description

The DAC8562 is a complete, parallel input, 12-bit, voltage output DAC designed to operate from a single +5 volt supply.Built using a CBCMOS process, these monolithic DACs offer the user low cost, and ease-of-use in +5 volt only systems.

Included on the chip, in addition to the DAC, is a rail-to-rail amplifier, latch and reference.The reference (REFOUT) is trimmed to 2.5 volts, and the on-chip amplifier gains up the DAC output to 4.095 volts full scale.The user needs only supply a + volt supply.

The DAC8562 is coded straight binary.The op amp output swings from 0 to +4.095 volts for a one milivolt per bit resolution, and is capable of driving ±5 mA.Built usinglow temperature-coefficient silicon-chrome thin-film resistors, excellent linearity error versus digitalinput code plot.

Digital interface is parallel and high speed to the interface to the fastest processors without wait states.The interface is very simple requiring only a single CE signal.An asynchronous CLR input sets the output to zero scale.

The DAC8562 is available in tow different 20-pin packages, plastic DIP and SOL-20.Each part is fully specified for operation over -40°C to +85°C, an the full +5 V ±5 % power supply range.

For MIL-STD_883 applications, contact your local ADI sales office for the DAC8562/883 data sheet which specifies operation over the -55°C to +125°C temperature range.

Key Features

Complete 12-Bit DAC

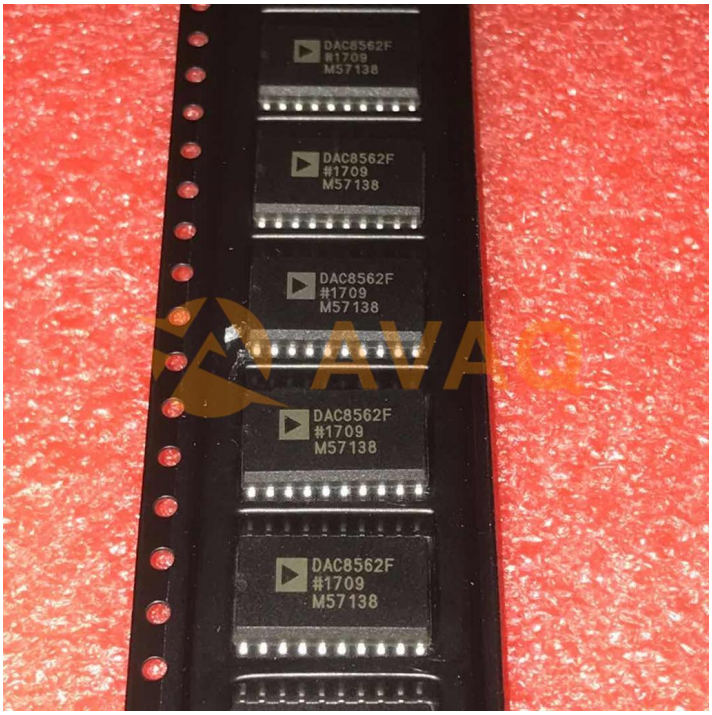
No External Components

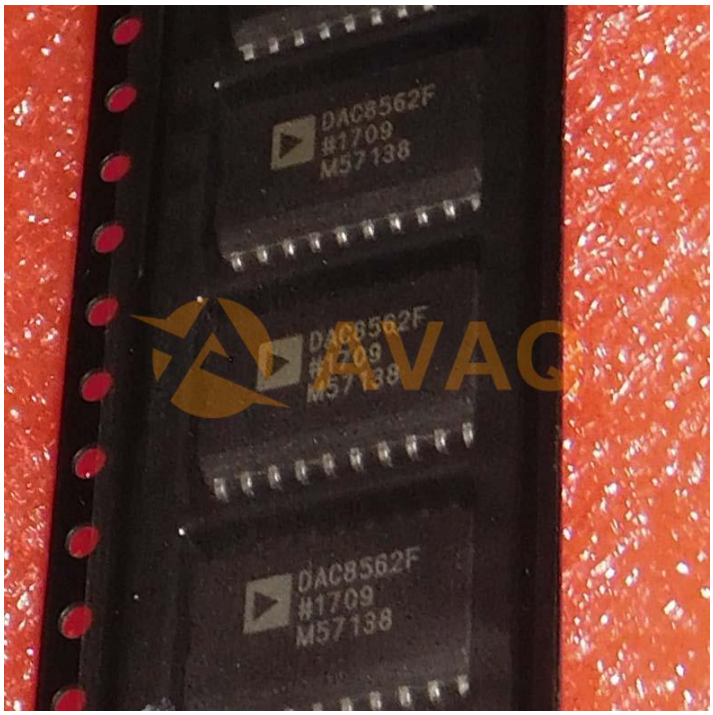
Single +5 Volt Operation

1 mV/Bit with 4.095 V Full Scale

True Voltage Output, ±5 mA Drive

Very Low Power -3 mW





Recommended For You

DAC08AQ

Analog Devices, Inc

DIP

DAC08EQ

Analog Devices, Inc

CDIP16

DAC8800FPZ

Analog Devices, Inc

20-LeadPDIP

DAC312HPZ

Analog Devices, Inc

DIP

DAC08ESZ

Analog Devices, Inc

SOP16

DAC08EPZ

Analog Devices, Inc

DC

ADAQ7980BCCZ

Analog Devices, Inc

LGA-24

DAC312FR

Analog Devices, Inc

DIP

ADAQ4003BBCZ

Analog Devices, Inc

BGA

ADA4350ARUZ

Analog Devices, Inc

TSSOP28

DAC08CSZ

Analog Devices, Inc

SOP16

DAC8043FPZ

Analog Devices, Inc

DIP8

ADAQ4001BBCZ-RL13

Analog Devices, Inc

BGA49

DAC8043AESZ

Analog Devices, Inc

SOP8

ADAL6110-16BCPZ

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LFCSP-48