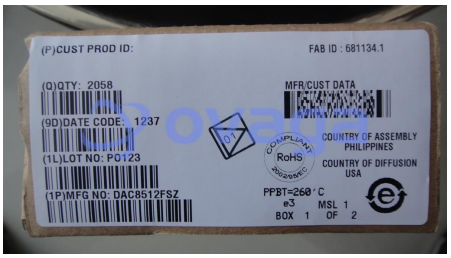
DAC8512FSZ

Data Sheet

Digital to Analogue Converter, 12 bit, 62.5 kSPS, 3 Wire, Serial, 4.75V to 5.25V, SOIC, 8 Pins



Images are for reference only

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

Please submit RFQ for DAC8512FSZ or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The DAC8512 is a complete serial input, 12-bit, voltage output digital-to-analog converter designed to operate from a single +5 V supply. It contains the DAC, input shift register and latches, reference and a rail-to-rail output amplifier. Built using a CBCMOS process, these monolithic DACs offer the user low cost, and ease of use in +5 V only systems.

Coding for the DAC8512 is natural binary with the MSB loaded first. The output op amp can swing to either rail and is set to a range of 0 V to +4.095 V-for a one-millivolt-per-bit resolution. It is capable of sinking and sourcing 5 mA. An on-chip reference is laser trimmed to provide an accurate full-scale output voltage of 4.095 V.

Serial interface is high speed, three-wire, DSP compatible with data in (SDI), clock(CLK) and load strobe (LD). There is also a chip-select pin for connecting multiple DACs.

A CLR input sets the output to zero scale at power on or upon user demand.The DAC8512 is specified over the extended industrial (-40°C to +85°C) temperature range. DAC8512s are available in plastic DIPs and SO-8 surface mount packages.

Features

Space Saving SO-8 or Mini-DIP Packages

Complete, Voltage Output with Internal Reference

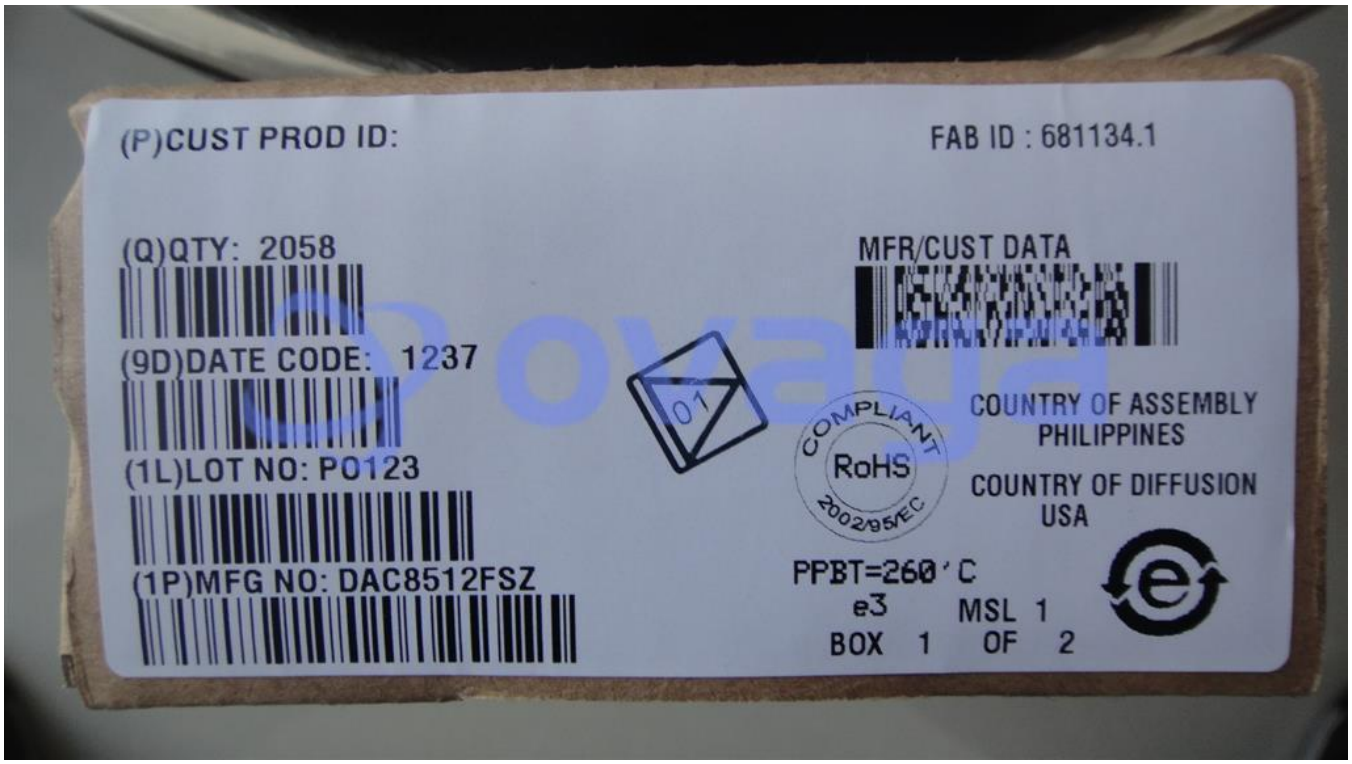
1 mV/Bit with 4.095 V Full Scale

Single +5 Volt Operation

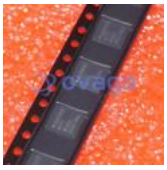
No External Components

3-Wire Serial Data Interface, 20 MHz Data Loading Rate

Low Power: 2.5 mW



Related Products



[ADAS3022BCPZ](#)

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LFCSP-40

[ADATE305BSVZ](#)

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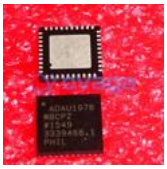
TQFP-100



[ADAU1978WBCPZ](#)

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[DAC8412FPCZ](#)

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PLCC-28

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