DAC 2-CH Resistor-String 16-bit Automotive 24-Pin TSSOP EP Tube

Manufacturers	Analog Devices, Inc
Package/Case	TSSOP-24
Product Type	Data Conversion ICs
RoHS	Rohs
Lifecycle	
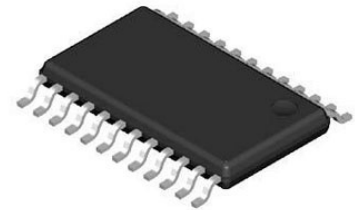
Images are for reference only

Please submit RFQ for AD5752AREZ or Email to us: sales@ovaga.com We will contact you in 12 hours.   RFQ

General Description

The parts offer guaranteed monotonicity, integral nonlinearity (INL) of ±16 LSB maximum, low noise, 10 μs maximum settling time, and an on-chip +2.5 V reference.

The AD5722R/AD5732R/AD5752R use a serial interface that operates at clock rates up to 30 MHz and are compatible with DSP and microcontroller interface standards. Double buffering allows the simultaneous updating of all DACs. The input coding is user-selectable twos complement or offset binary for a bipolar output (depending on the state of Pin BIN/2sComp), and straight binary for a unipolar output. The asynchronous clear function clears all DAC registers to a user-selectable zero-scale or midscale output. The parts are available in a 24-lead TSSOP and offer guaranteed specifications over the −40°C to +85°C industrial temperature range.

Features

Complete, dual, 12-/14-/16-bit digital-to-analog converter (DAC)

Operates from single/dual supplies

Software programmable output range+5 V, +10 V, +10.8 V, ±5 V, ±10 V, ±10.8 V

INL error: ±16 LSB maximum, DNL error: ±1 LSB maximum

Total unadjusted error (TUE): 0.1% FSR maximum

Settling time: 10 μs typical

Integrated reference: 5 ppm/°C maximum

Integrated reference buffers

Output control during power-up/brownout

Simultaneous updating via LDAC

Asynchronous CLR to zero scale or midscale

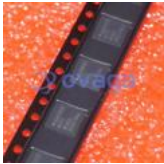See data sheet for additional features

Application

Industrial automation

Closed-loop servo control, process control

Automotive test and measurement

Programmable logic controllers

Related Products

[ADAS3022BCPZ](#)

Analog Devices, Inc

LFCSP-40

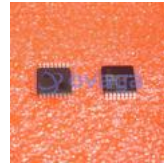[AD574AJNZ](#)

Analog Devices, Inc

PDIP-28

[AD7938BSUZ](#)

Analog Devices, Inc

TQFP-32

[AD7124-8BCPZ-RL7](#)

Analog Devices, Inc

LFCSP-32

[AD7266BSUZ](#)

Analog Devices, Inc

TQPF-32

[AD7401YRWZ](#)

Analog Devices, Inc

SOIC-16

[AD7192BRUZ-REEL](#)

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TSSOP-24

[AD9680BCPZ-500](#)

Analog Devices, Inc

LFCSP-64