

Digital to Analogue Converter, 16 bit, 100 kSPS, Serial, SPI, $\pm 4.5V$ to $\pm 16.5V$, TSSOP, 24 Pins

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 AD5754BREZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

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

The AD5724R/AD5734R/AD5754R 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 mid-scale output. The parts are available in a 24-lead TSSOP and offer guaranteed specifications over the $-40^{\circ}C$ to $+85^{\circ}C$ industrial temperature range.

Features

Complete, quad, 12-/14-/16-bit D/A converter

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 μ s typical

Integrated reference: ± 5 ppm/ $^{\circ}$ C maximum

Integrated reference buffers

See data sheet for additional features

Application

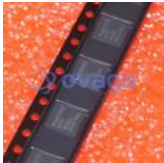
Industrial automation

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



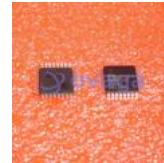
[AD7938BSUZ](#)

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](#)

Analog Devices, Inc
TSSOP-24



[AD9680BCPZ-500](#)

Analog Devices, Inc
LFCSP-64