

Digital to Analogue Converter, 12 bit, 100 kSPS, 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 AD5724AREZ or [Email to us: sales@ovaga.com](mailto: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, and 10 μs maximum settling time.

The AD5724/AD5734/AD5754 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 two's 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 $-40^{\circ}C$ to $+85^{\circ}C$ industrial temperature range.

Features

Complete, quad, 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 maximum

Integrated reference buffers

See data sheet for additional features

Application

Industrial automation

Closed-loop servo control, process control

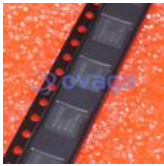
Automotive test and measurement

Programmable logic controllers

Data Sheet, Rev. 0, 8/08

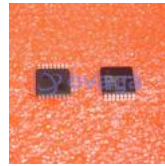


Related Products



[ADAS3022BCPZ](#)

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LFCSP-40



[AD7266BSUZ](#)

Analog Devices, Inc
TQFP-32



[AD574AJNZ](#)

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PDIP-28



[AD7401YRWZ](#)

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SOIC-16



[AD7938BSUZ](#)

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TQFP-32



[AD7192BRUZ-REEL](#)

Analog Devices, Inc
TSSOP-24



[AD7124-8BCPZ-RL7](#)

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[AD9680BCPZ-500](#)

Analog Devices, Inc
LFCSP-64