

Dual 12-Bit CMOS DAC with Parallel Load Input Structure; Package: SOIC - Wide; No of Pins: 24; Temperature Range: Commercial

Manufacturers	Analog Devices, Inc
Package/Case	SOP-24
Product Type	Data Conversion ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD7547JRZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD7547 contains two 12-bit current output DACs on one monolithic chip. Also on-chip are the level shifters, data registers and control logic for easy microprocessor interfacing. There are 12 data inputs, CSA, CSB, WR control DAC selection and loading. Data is latched into the DAC registers on the rising edge of WR. The device is speed compatible with most microprocessors and accepts TTL, 74HC and 5V CMOS logic level inputs.

The D/A converters provide 4-quadrant multiplication capabilities with separate reference inputs and feedback resistors. Monolithic construction ensures that thermal and gain error tracking is excellent. 12-bit monotonicity is guaranteed for both DACs over the full temperature range.

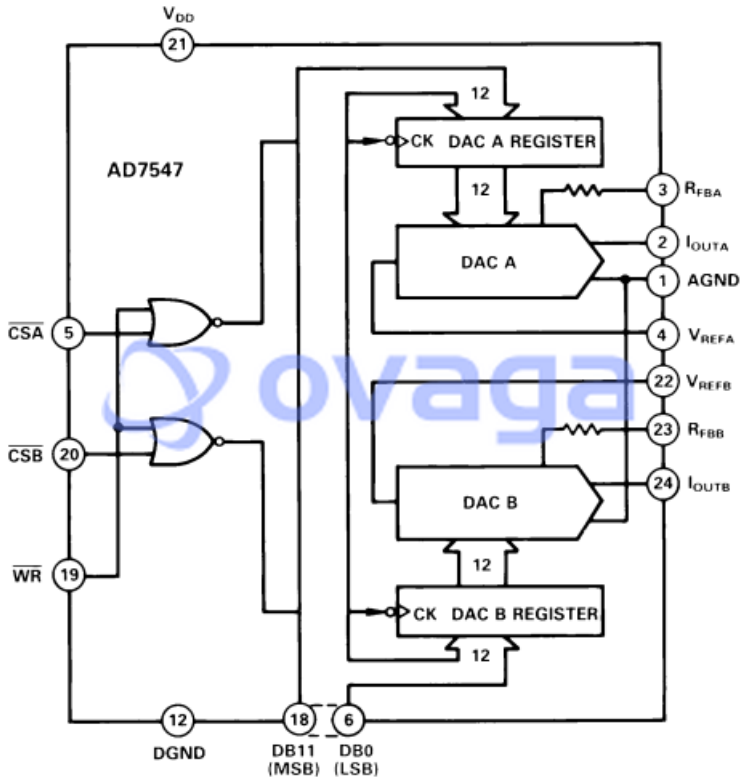
The AD7547 is manufactured using the Linear Compatible CMOS (LC²MOS) process. This allows fast digital logic and precision linear circuitry to be fabricated on the same die.

Features

- Two 12-bit DACs in One Package
- DAC Ladder Resistance Matching: 0.5%
- Space Saving Skinny DIP and Surface Mount Packages
- 4-Quadrant Multiplication
- Low Gain Error (1 LSB max Over Temperature)
- Fast Interface Timing

Application

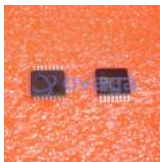
- Synchro
- Process Control



Related Products



[ADAS3022BCPZ](#)
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[AD7266BSUZ](#)
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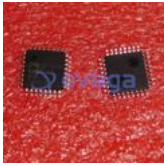
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Analog Devices, Inc
SOIC-16



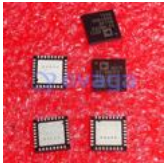
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