

DAC 2-CH R-2R 12-bit Automotive 24-Pin TSSOP Tube

Manufacturer: <u>Analog Devices, Inc</u>

Package/Case: TSSOP

Product Type: Data Conversion ICs

RoHS: RoHS Compliant/Lead free

Lifecycle: Active



Images are for reference only

Inquiry

General Description

The AD5428/AD5440/AD5447 are Dual CMOS 8-, 10- and 12-bit, dual-channel, current output digital-to-analog converters (DACs), respectively. These devices operate from a 2.5 V to 5.5 V power supply, making them suited to battery-powered and other applications.

As a result of being manufacture on a CMOS submicron process, they offer excellent 4-quadrant multiplication characteristics, with large signal multiplying bandwidths of up to 10 MHz.

These DACs utilize data readback, allowing the user to read the contents of the DAC register via the DB pins. On power-up, the internal register and latches are filled with zeros and the DAC outputs are at zero scale.

The applied external reference input voltage (VREF) determines the full scale output current. An integrated feedback resistor (RFB) provides temperature tracking and full scale voltage output when combined with an external I-to-V Precision Amplifier.

The AD5428 is available in small 20 lead TSSOP package, while the AD5440/AD5447 DACs are available in small 24-lead TSSOP packages.

Key Features

Power-on reset

Guaranteed monotonic

Parallel interface

Application

Portable battery-powered applications

Waveform generators

Analog processing

Instrumentation applications

Programmable amplifiers and attenuators

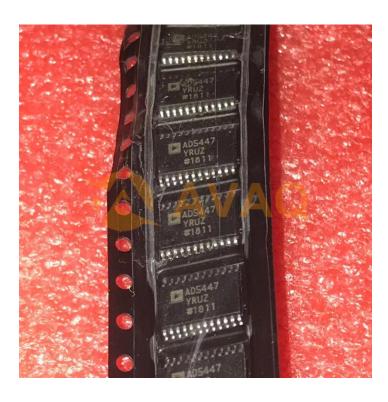
Digitally controlled calibration

Programmable filters and oscillators

Composite video

Ultrasound

Gain, offset, and voltage trimming



Recommended For You

AD7305BRZ

Analog Devices, Inc

SOP20

AD9910BSVZ

Analog Devices, Inc

TQFP100

AD9831ASTZ

Analog Devices, Inc

QFP

AD5302BRMZ

Analog Devices, Inc

MSOP10

AD652AQ

Analog Devices, Inc

DIP

AD9914BCPZ

Analog Devices, Inc

LFCSP

AD9954YSVZ

Analog Devices, Inc

QFP

AD5531BRUZ

Analog Devices, Inc

TSSOP16

AD654JN

Analog Devices, Inc

DIP8

AD73311ARSZ

Analog Devices, Inc

SSOP20

AD2S1205YSTZ

Analog Devices, Inc

LQFP44

AD537JH

Analog Devices, Inc

CAN10

AD7740YRMZ

Analog Devices, Inc

MSOP8

AD7291BCPZ

Analog Devices, Inc

LFCSP20

AD9835BRUZ

Analog Devices, Inc

TSSOP16