

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

<b>Manufacturer:</b>	<u>Analog Devices, Inc</u>
<b>Package/Case:</b>	TSSOP
<b>Product Type:</b>	Data Conversion ICs
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	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

**AD5531BRUZ**

Analog Devices, Inc  
TSSOP16

**AD537JH**

Analog Devices, Inc  
CAN10

**AD652AQ**

Analog Devices, Inc  
DIP

**AD654JN**

Analog Devices, Inc  
DIP8

**AD7740YRMZ**

Analog Devices, Inc  
MSOP8

**AD9914BCPZ**

Analog Devices, Inc  
LFCSP

**AD73311ARSZ**

Analog Devices, Inc  
SSOP20

**AD7291BCPZ**

Analog Devices, Inc  
LFCSP20

**AD9954YSVZ**

Analog Devices, Inc  
QFP

**AD2S1205YSTZ**

Analog Devices, Inc  
LQFP44

**AD9835BRUZ**

Analog Devices, Inc  
TSSOP16