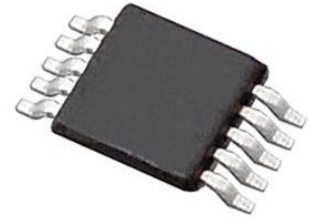


Digital Potentiometer 10kOhm 256POS Volatile Automotive 10-Pin MSOP T/R

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	MSOP-10
Product Type	D/A Converters (DAC) ; Digital Potentiometers (DigiPOT)
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD5290YRMZ10-R7 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The AD5290 is one of the few high voltage, high performance, and compact digital potentiometers<sup>1</sup> in the market at present. This device can be used as a programmable resistor or resistor divider. The AD5290 performs the same electronic adjustment function as mechanical potentiometers, variable resistors, and trimmers, with enhanced resolution, solid-state reliability, and superior temperature stability.

With digital rather than manual control, the AD5290 provides layout flexibility and allows closed-loop dynamic controllability.

The AD5290 is available in MSOP-10 package and has 10 k $\Omega$ , 50 k $\Omega$ , and 100 k $\Omega$  options. All parts are guaranteed to operate over the  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$  extended automotive temperature range.

## Features

256 position

10 k $\Omega$ , 50 k $\Omega$ , 100 k $\Omega$

3-wire SPI<sup>®</sup>-compatible serial interface

Low temperature coefficient 35 ppm/°C typical

THD 0.006% typical

Midscale preset

Compact MSOP-10 package

Automotive temperature range: -40°C to +125°C

iCMOS<sup>™</sup> process technology

## Application

High voltage DAC

Programmable power supply

Programmable gain and offset adjustment

Programmable filters and delays

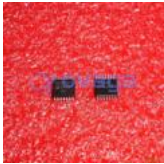
Actuator control

Audio volume control

Mechanical potentiometer replacement

1 The RDAC segmentation is protected by U.S. Patent Number 5,495,245.

## Related Products



### [AD5292BRUZ-20](#)

Analog Devices, Inc  
14TSSOP



### [AD5242BRZ10](#)

Analog Devices, Inc  
SOIC-16



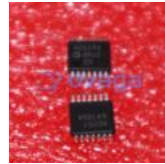
### [AD5142ABCPZ10-RL7](#)

Analog Devices, Inc  
LFCSP-16



### [AD8400ARZ10](#)

Analog Devices, Inc  
SOIC-8



### [AD5293BRUZ-20](#)

Analog Devices, Inc  
TSSOP-14



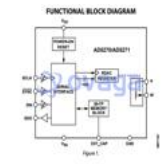
### [AD8403ARZ10](#)

Analog Devices, Inc  
SOIC-24



### [AD5254BRUZ10](#)

Analog Devices, Inc  
TSSOP20



### [AD5270BRMZ-20](#)

Analog Devices, Inc  
MSOP-10