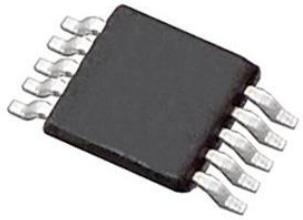
AD5290YRMZ100-R7

Data Sheet

Digital Potentiometer 100kOhm 256POS Volatile Automotive 10-Pin MSOP T/R

Manufacturers	Analog Devices, Inc
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 AD5290YRMZ100-R7 or Email to us: 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 potentiometers1 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 kΩ, 50 kΩ, and 100 kΩ options. All parts are guaranteed to operate over the –40°C to +125°C extended automotive temperature range.

Features

256 position

10 kΩ, 50 kΩ, 100 kΩ

3-wire SPI®-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™ process technology

Application

High voltage DAC

Programmable power supply

Programmable gain and offset adjustment

Programmable filters and delays

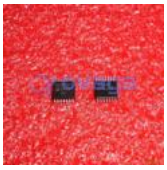
Actuator control

Audio volume control

Mechanical potentiometer replacement

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

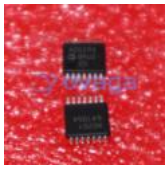
Related Products



AD5292BRUZ-20

Analog Devices, Inc

14TSSOP



AD5293BRUZ-20

Analog Devices, Inc

TSSOP-14

AD5242BRZ10

Analog Devices, Inc

SOIC-16

AD8403ARZ10

Analog Devices, Inc

SOIC-24

AD5142ABCPZ10-RL7

Analog Devices, Inc

LFCSP-16

AD5254BRUZ10

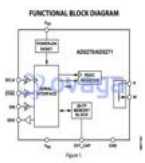
Analog Devices, Inc

TSSOP20

AD8400ARZ10

Analog Devices, Inc

SOIC-8



AD5270BRMZ-20

Analog Devices, Inc

MSOP-10