

Digital Potentiometer 50kOhm 128POS Volatile Linear 14-Pin TSSOP Tube

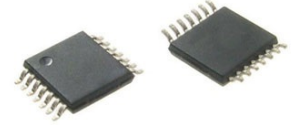
Manufacturer: [Analog Devices, Inc](#)

Package/Case: TSSOP14

Product Type: Data Conversion ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active



Images are for reference only

[Inquiry](#)

General Description

The AD7376 is one of the few high voltage, high performance digital potentiometers** on the market. This device can be used as a programmable resistor or resistor divider. The AD7376 performs the same electronic adjustment function as mechanical potentiometers, variable resistors, and trimmers with enhanced resolution, solid-state reliability, and programmability. With digital rather than manual control, the AD7376 provides layout flexibility and allows closed-loop dynamic controllability.

The AD7376 features sleep-mode programmability in shutdown that can be used to program the preset before device activation, thus providing an alternative to costly EEPROM solutions.

The AD7376 is available in 14-lead TSSOP and 16-lead wide body SOIC packages in 10 k Ω , 50 k Ω , and 100 k Ω options. All parts are guaranteed to operate over the -40°C to $+85^{\circ}\text{C}$ extended industrial temperature range.

Key Features

128 positions

10 k Ω , 50 k Ω , 100 k Ω

20 V to 30 V single-supply operation

3-wire SPI[®]-compatible serial interface

THD 0.006% typical

Programmable preset

Power shutdown: less than 1 μA

iCMOS[™] process technology

Application

High voltage DAC

Programmable power supply

Programmable gain and offset adjustment

Programmable filters, delays

Actuator control

Audio volume control

Mechanical potentiometer replacement

Recommended For You

AD5262BRUZ200

Analog Devices, Inc
TSSOP16

AD8402ARUZ50

Analog Devices, Inc
TSSOP-14

AD5160BRJZ50-RL7

Analog Devices, Inc
SOT23-8

AD8400ARZ50

Analog Devices, Inc
SOP8

AD5280BRUZ20

Analog Devices, Inc
TSSOP14

AD5262BRUZ50

Analog Devices, Inc
TSSOP16

AD5204BRUZ10

Analog Devices, Inc
TSSOP24

AD5207BRUZ10

Analog Devices, Inc
TSSOP14

AD5160BRJZ10-R2

Analog Devices, Inc
SOT23-8

AD5200BRMZ10

Analog Devices, Inc
MSOP10

AD5220BNZ100

Analog Devices, Inc
8-PDIP

AD5259BRMZ100-R7

Analog Devices, Inc
MSOP10

AD5143BCPZ10-RL7

Analog Devices, Inc
16-LFCSP

AD8402ARUZI

Analog Devices, Inc
TSSOP-14

AD5263BRUZ200

Analog Devices, Inc
TSSOP24