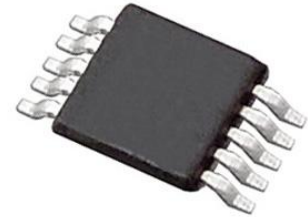


Non Volatile Digital Potentiometer, 10 kohm, Single, I2C, Serial, Linear,  $\pm 30\%$ , 2.7 V

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	MSOP-10
Product Type	Data Acquisition - Digital Potentiometers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD5259BRMZ10 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The AD5259 provides a compact, nonvolatile LFCSP-10 (3 mm x 3 mm) or MSOP-10 (3 mm x 4.9 mm) packaged solution for 256-position adjustment applications. These devices perform the same electronic adjustment function as mechanical potentiometers<sup>1</sup> or variable resistors, but with enhanced resolution and solid-state reliability.

The wiper settings are controllable through an I2C-compatible digital interface that is also used to read back the wiper register and EEPROM content. Resistor tolerance is also stored within EEPROM, providing an end-to-end tolerance accuracy of 0.1%.

A separate VLOGIC pin delivers increased interface flexibility. For users who need multiple parts on one bus, Address Bit AD0 and Address Bit AD1 allow up to four devices on the same bus

## Features

Memory Type: nonvolatile

Interface: I2C

Resistor Values (kOhm): 5, 10, 50, 100

Voltage Range (V): +5.5 V

Supply Current ( $\mu$ A): 3  $\mu$ A

Temp. Range -40°C to +85°C

Absolute Tempco (ppm/°C): 300

VLOGIC Pin Provides Increased Interface flexibility

## Application

LCD panel VCOM adjustment

LCD panel brightness and contrast control

Mechanical potentiometer replacement in new designs

Programmable power supplies

RF amplifier biasing

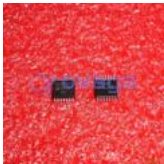
Automotive electronics adjustment

Gain control and offset adjustment

Fiber to the home systems

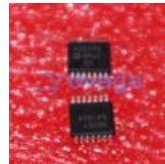
Electronics level settings

## 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



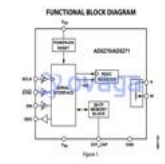
### [AD5254BRUZ10](#)

Analog Devices, Inc  
TSSOP20



### [AD8400ARZ10](#)

Analog Devices, Inc  
SOIC-8



### [AD5270BRMZ-20](#)

Analog Devices, Inc  
MSOP-10