

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

Manufacturers	Analog Devices, Inc
Package/Case	SOT-23-8
Product Type	Data Acquisition - Digital Potentiometers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD5245BRJZ10-R2 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD5245 provides a compact 2.9 mm x 3 mm packaged solution for 256 position adjustment applications. This device performs the same electronic adjustment function as a mechanical potentiometer or a variable resistor. The low temperature coefficient makes this device ideal for high accuracy and stability variable resistance adjustments.

The wiper settings are controllable through the I2C compatible digital interface, which can also be used to read back the present wiper register control word.

Operating from a 2.7 to 5.5 volt power supply consuming less than 5 μA allows for usage in portable battery operated applications.

Features

256 Position

End-To-End Resistance

5k Ω , 10k Ω , 50k Ω , 100k Ω

Compact SOT23-8 (2.9 mm X 3 mm) Package

I2C Compatible Interface

Extra Package Address Decode Pin A0

Power On Reset To Midscale

Single Supply +2.7 V To +5.5 V

Low Temperature

Coefficient 35 ppm/ $^{\circ}$ C

Low Power,>

Wide Operating Temperature -40° C To $+125^{\circ}$ C

Application

Mechanical potentiometer replacement in new designs

LCD panel V

COM

LCD panel brightness and contrast control

Transducer adjustment of pressure, temperature, position, chemical, and optical sensors

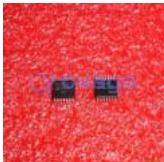
RF amplifier biasing

Automotive electronics adjustment

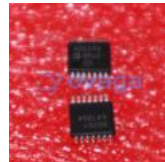
Gain control and offset adjustment



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

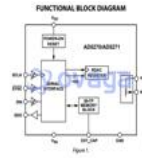


[AD5254BRUZ10](#)
Analog Devices, Inc
TSSOP20



AD8400ARZ10

Analog Devices, Inc
SOIC-8



AD5270BRMZ-20

Analog Devices, Inc
MSOP-10