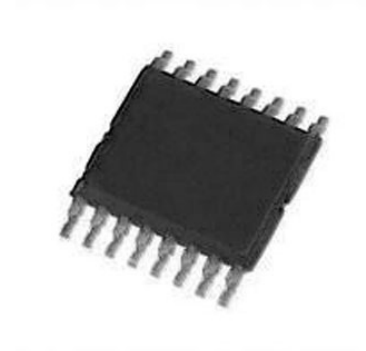


Volatile Digital Potentiometer, 20 kohm, Dual, I2C, Linear, $\pm 30\%$, 4.5 V

Manufacturers	Analog Devices, Inc
Package/Case	TSSOP-16
Product Type	D/A Converters (DAC) ; Digital Potentiometers (DigiPOT)
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD5282BRUZ20 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

Wiper position programming defaults to midscale at system power-on. When powered, the VR wiper position is programmed by an I2C-compatible, 2-wire serial data interface. The AD5280/ AD5282 feature sleep mode programmability. This allows any level of preset in power-up and is an alternative to a costly EEPROM solution. Both parts have additional programmable logic outputs that enable users to drive digital loads, logic gates, LED drivers, and analog switches in their system.

The AD5280/AD5282 are available in thin, surface-mounted 14-lead TSSOP and 16-lead TSSOP. All parts are guaranteed to operate over the extended industrial temperature range of -40°C to $+85^{\circ}\text{C}$. For 3-wire SPI-compatible interface applications, see the AD5260/AD5262 product information on www.analog.com

Features

Application

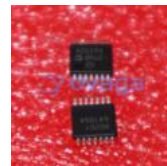
AD5280: 1 channel	Multimedia, video, and audio
AD5282: 2 channels	Communications
256 positions	Mechanical potentiometer replacement
20 k Ω , 50 k Ω , 200 k Ω fixed terminal resistance	Instrumentation: gain, offset adjustment Programmable voltage source
Low temperature coefficient: 30 ppm/ $^{\circ}\text{C}$	Programmable current source
Power-on midscale preset1	Line impedance matching
Programmable reset	1 Assert shutdown and program the device during power-up, then deassert the shutdown to achieve the desired preset level.2 The terms digital potentiometer, VR, and RDAC are used interchangeably.
Operating temperature: -40 $^{\circ}\text{C}$ to +85 $^{\circ}\text{C}$	Data Sheet, Rev. C, 7/09
I2C-compatible interface	

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



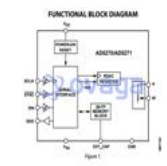
[AD5254BRUZ10](#)

Analog Devices, Inc
TSSOP20



[AD8400ARZ10](#)

Analog Devices, Inc
SOIC-8



[AD5270BRMZ-20](#)

Analog Devices, Inc
MSOP-10