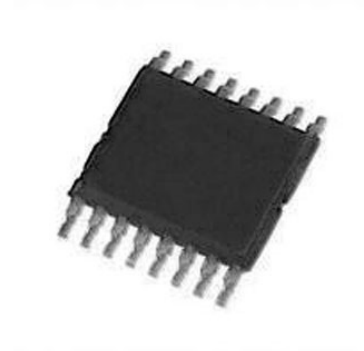


Volatile Digital Potentiometer, 1 Mohm, Dual, I2C, Linear, $\pm 30\%$, 2.7 V

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 AD5242BRUZ1M or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD5241 and AD5242 provide a single-/dual-channel, 256-position, digitally controlled variable resistor (VR) device. These devices perform the same electronic adjustment function as a potentiometer, trimmer or variable resistor. Operating from single (+2.7 V to +5.5 V) or dual supplies (± 2.7 V), these parts are ideal for applications in Communications, Multi-Media, Video and Audio equipment. Stable 30 ppm/ $^{\circ}$ C, low noise settings result from internal SiCr thin film resistor technology used for the resistor segments. Internal power ON reset to midscale position speeds up initial circuit adjustment. Two programmable logic outputs are available to drive digital loads, gates, LED drivers, analog switches, etc. to save micro-controller pin usage. Additional package address decode pins allow multiple packages to share the same 2-wire I2C bus. Devices are available in the 1.1 mm thin TSSOP 14- and 16-lead packages.

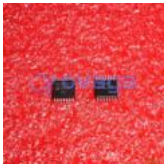
Features

- Replaces Potentiometers In New Designs
- 2-wire I2C Compatible Digital Interface
- Low Drift 30ppm/ $^{\circ}$ C Resistor Tempco

Application

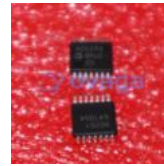
- Multimedia, video, and audio
- Communications
- Mechanical potentiometer replacement
- Instrumentation: gain, offset adjustment
- Programmable voltage-to-current conversion
- Line impedance matching

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



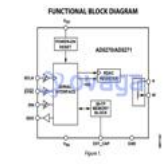
[AD5254BRUZ10](#)

Analog Devices, Inc
TSSOP20



[AD8400ARZ10](#)

Analog Devices, Inc
SOIC-8



[AD5270BRMZ-20](#)

Analog Devices, Inc
MSOP-10