

Digital Potentiometer 5kOhm 256POS Volatile Linear Automotive 8-Pin SOT-23 T/R

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 AD5160BRJZ5-R2 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD5160 provides a compact 2.9 mm × 3 mm packaged solution for 256-position adjustment applications. These devices perform the same electronic adjustment function as mechanical potentiometers or variable resistors but with enhanced resolution, solid-state reliability, and superior low temperature coefficient performance.

The wiper settings are controllable through an SPI-compatible digital interface. The resistance between the wiper and either end point of the fixed resistor varies linearly with respect to the digital code transferred into the RDAC latch.

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

Features

256-position

End-to-end resistance: 5 k Ω , 10 k Ω , 50 k Ω , 100 k Ω

Compact SOT-23-8 (2.9 mm \times 3 mm) package

SPI-compatible interface

Power-on preset to midscale

Single supply: 2.7 V to 5.5 V

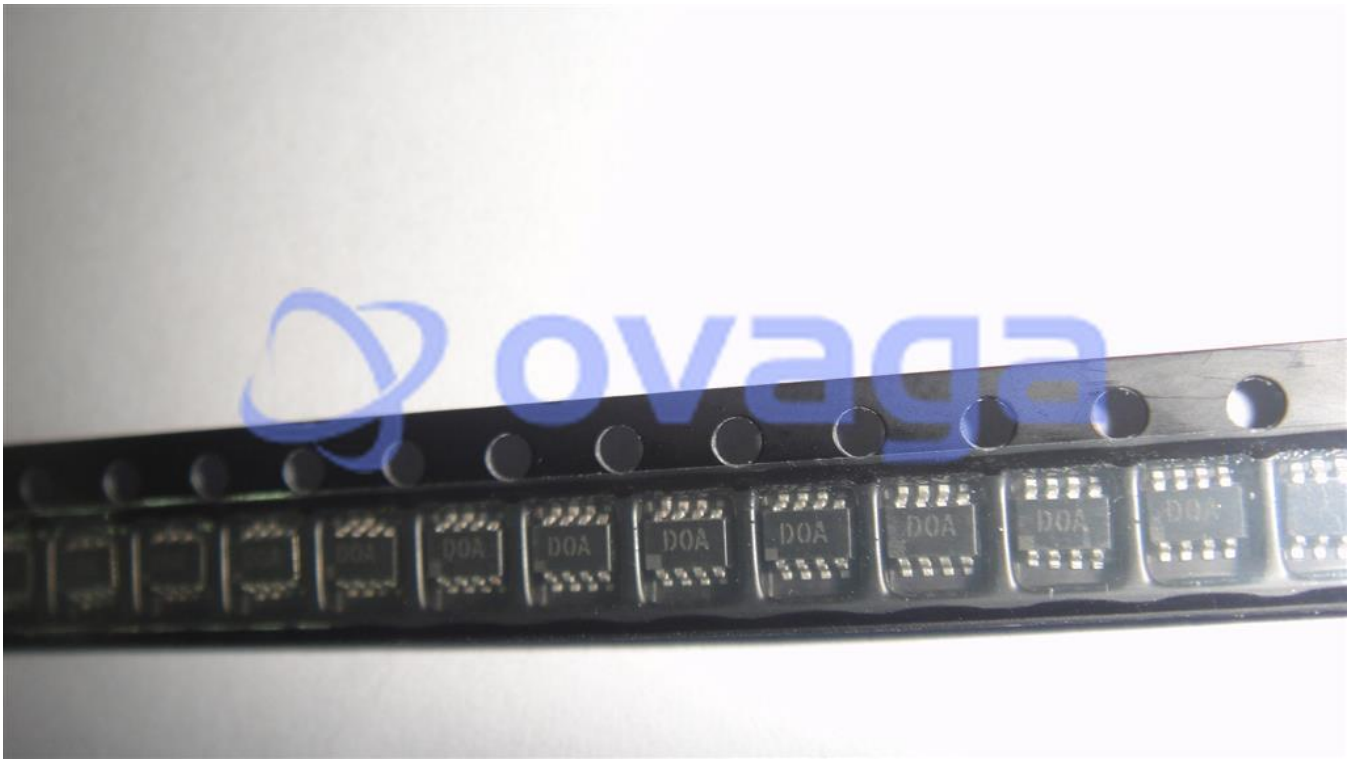
Low temperature coefficient: 45 ppm/ $^{\circ}$ C

Low power;>

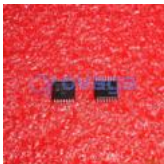
Wide operating temperature: -40° C to $+125^{\circ}$ C

Evaluation board available





Related Products



[AD5292BRUZ-20](#)

Analog Devices, Inc
14TSSOP



[AD5242BRZ10](#)

Analog Devices, Inc
SOIC-16



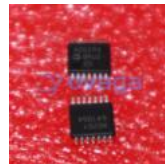
[AD5142ABCPZ10-RL7](#)

Analog Devices, Inc
LFCSP-16



[AD8400ARZ10](#)

Analog Devices, Inc
SOIC-8



[AD5293BRUZ-20](#)

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TSSOP-14



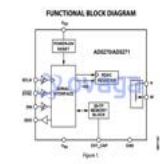
[AD8403ARZ10](#)

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[AD5254BRUZ10](#)

Analog Devices, Inc
TSSOP20



[AD5270BRMZ-20](#)

Analog Devices, Inc
MSOP-10