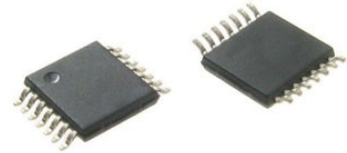


1 Ω Typical On Resistance, ± 5 V, 12 V, 5 V, and 3.3 V, 4:1 Multiplex...

Manufacturers	Analog Devices, Inc
Package/Case	TSSOP-14
Product Type	Analog Switches Multiplexers ; Single Supply 2V to 16V
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for ADG1604BRUZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADG1604 is a complementary metal-oxide semiconductor (CMOS) analog multiplexer and switches one of four inputs to a common output, D, as determined by the 3-bit binary address lines, A0, A1, and EN. Logic 0 on the EN pin disables the device. Each switch conducts equally well in both directions when on and has an input signal range that extends to the supplies. In the off condition, signal levels up to the supplies are blocked. All switches exhibit break-before-make switching action. Inherent in the design is low charge injection for minimum transients when switching the digital inputs.

The ultralow on resistance of these switches make them ideal solutions for data acquisition and gain switching applications where low on resistance and distortion is critical. The on resistance profile is very flat over the full analog input range, ensuring excellent linearity and low distortion when switching audio signals.

The CMOS construction ensures ultralow power dissipation, making the devices ideally suited for portable and battery-powered instruments.

Product Highlights

1.6 Ω maximum on resistance over temperature.

Minimum distortion: THD \rightarrow

3 V logic-compatible digital inputs: = 0.8 V.

No VL logic power supply required.

Ultralow power dissipation: <16 nW.

14-lead TSSOP and 16-lead, 4 mm \times 4 mm LFCSP.

Features

1 Ω typical on resistance

0.2 Ω on resistance flatness

3.3 V to 16 V single-supply operation

No VL supply required

3 V logic-compatible inputs

Rail-to-rail operation

Continuous current per channel

LFCSP: 504 mA

TSSOP: 315 mA

14-lead TSSOP and 16-lead, 4 mm \times 4 mm LFCSP

Application

Communication systems

Medical systems

Audio signal routing

Video signal routing

Automatic test equipment

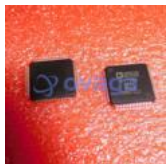
Data acquisition systems

Battery-powered systems

Sample-and-hold systems

Relay replacements

Related Products



[ADV7181CBSTZ](#)

Analog Devices, Inc
LQFP-64



[AD724JR](#)

Analog Devices, Inc
SOIC-16



[ADV7391WBCPZ](#)

Analog Devices, Inc
LFSCP-3



[ADV7341BSTZ](#)

Analog Devices, Inc
LQFP-64



[AD8170AR](#)

Analog Devices, Inc
SOP8



[ADV7393BCPZ](#)

Analog Devices, Inc
LFCSP-VQ-40



[ADV7390BCPZ](#)

Analog Devices, Inc
QFN32



[ADUM4160BRIZ](#)

Analog Devices, Inc
SOIC-16