

4.5Ω RON, 4-Channel ±5 V, +12 V, +5 V, and +3.3 V Multiplexer; Package: 16-TSSOP (4.4mm); Temperature Range: -40°C to +125°C

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	TSSOP-16
Product Type	Interface - Switches, Multiplexers, Demultiplexers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for ADG1609BRUZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

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 low 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.

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

### Applications

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

## Features

4.5  $\Omega$  typical on-resistance

1  $\Omega$  on-resistance flatness

Up to 470 mA continuous current

3.3 V to 16 V single-supply operation

No VL supply required

3 V logic-compatible inputs

Rail-to-rail operation

16-lead TSSOP and 16-lead, 3 mm  $\times$  3 mm LFCSP

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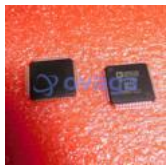
Data acquisition systems

Battery-powered systems

Sample-and-hold systems

Relay replacements

## Related Products



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LFCSP-VQ-40



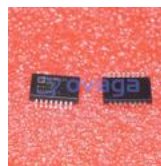
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