

Analog Multiplexer Dual 4:1 16-Pin TSSOP Tube

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	TSSOP-16
Product Type	Multiplexer Switch ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for ADG409BRUZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The ADG409 is a monolithic CMOS analog multiplexer comprising four differential channels. The ADG409 switches one of four differential inputs to a common differential output as determined by the 2-bit binary address lines A0 and A1. An EN input on the device is used to enable or disable the device. When disabled, all channels are switched OFF.

The ADG409 is designed on an enhanced LC2MOS process which provides low power dissipation yet gives high switching speed and low on resistance. Each channel conducts equally well in both directions when ON and has an input signal range which extends to the supplies. In the OFF condition, signal levels up to the supplies are blocked. All channels exhibit break before make switching action preventing momentary shorting when switching channels. Inherent in the design is low charge injection for minimum transients when switching the digital inputs.

The ADG409 is an improved replacement for the DG409 analog multiplexer.

## Features

44 V supply maximum ratings

VSS to VDD analog signal range

Low on resistance (100  $\Omega$  maximum)

Low power ( $I_{SUPPLY} < 75 \mu A$ )

Fast switching

Break-before-make switching action

Plug-in replacement for DG408

## Application

Audio and video routing

Automatic test equipment

Data acquisition systems

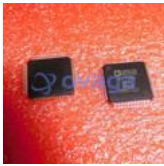
Battery-powered systems

Sample-and-hold systems

Communication systems



### Related Products



[ADV7181CBSTZ](#)

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LQFP-64



[AD8170AR](#)

Analog Devices, Inc  
SOP8



[AD724JR](#)

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[ADV7393BCPZ](#)

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[ADV7391WBCPZ](#)

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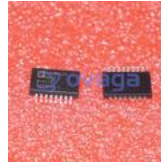
[ADV7390BCPZ](#)

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[ADV7341BSTZ](#)

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[ADUM4160BRIZ](#)

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