

Analogue Switch, Quad Channel, 4 Channels, SPST, 4 ohm,  $\pm 4.5V$  to  $\pm 20V$ , SOIC, 16 Pins

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



Images are for reference only

Please submit RFQ for ADG452BRZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The ADG452 is a monolithic CMOS device comprising four independently selectable switches. It is designed on an enhanced LC2MOS process which provides low power dissipation yet gives high switching speed and low on resistance.

The ADG452 switches are turned on with a logic high on the appropriate control input. Each switch conducts equally well in both directions when ON and each has an input signal range that extends to the supplies. All switches exhibit break-before-make switching action for use in multiplexer applications. Inherent in the design is low charge injection for minimum transients when switching the digital inputs.

## Features

Low On-Resistance (4  $\Omega$ )

On-Resistance Flatness 0.2  $\Omega$

44 V Supply Maximum Ratings

Fully Specified @  $\pm 5V$ , +12V,  $\pm 15V$

Ultralow Power Dissipation (18  $\mu W$ )

ESD 2 kV

Continuous Current 100mA

Fast Switching Times  $t_{on} < 70$  ns  $t_{off} < 60$  ns

TTL/CMOS-Compatible Inputs

Pin Compatible Upgrade for ADG412 and ADG432

16-Lead DIP, SOIC and Cerdip Packages





## Related Products



### [AD7181CBSTZ](#)

Analog Devices, Inc  
LQFP-64



### [AD724JR](#)

Analog Devices, Inc  
SOIC-16



### [AD7391WBCPZ](#)

Analog Devices, Inc  
LFSCP-3



### [AD7341BSTZ](#)

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