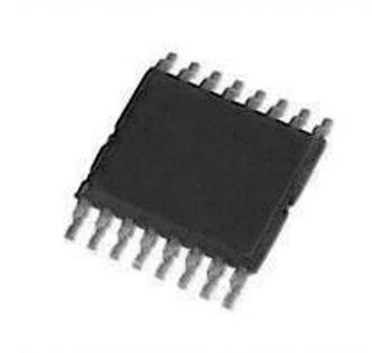


Analogue Switch, Quad Channel, 4 Channels, SPST, 160 ohm, 9V to 40V, TSSOP, 16 Pins

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



Images are for reference only

Please submit RFQ for ADG5212BRUZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The ADG5212 and ADG5213 do not have a VL pin. The digital inputs are compatible with 3 V logic inputs over the full operating supply range.

The ultralow capacitance and charge injection of these switches make them ideal solutions for data acquisition and sample-and-hold applications, where low glitch and fast settling are required. Fast switching speed together with high signal bandwidth make the parts suitable for video signal switching.

### APPLICATIONS

Automatic test equipment

Data acquisition

Instrumentation

Avionics

Audio and video switching

Communication systems

### Product Highlights

Trench Isolation Guards Against Latch-Up. A dielectric trench separates the P and N channel transistors thereby preventing latch-up even under severe overvoltage conditions.

Ultralow capacitance and < 1 pC charge injection.

Dual-Supply Operation. For applications where the analog signal is bipolar, the ADG5212/ADG5213 can be operated from dual supplies up to  $\pm 22$  V.

Single-Supply Operation. For applications where the analog signal is unipolar, the ADG5212/ADG5213 can be operated from a single rail power supply up to 40 V.

3 V Logic Compatible Digital = 0.8 V.

No VL Logic Power Supply Required.

## Features

Latch-up proof

3 pF off source capacitance

5 pF off drain capacitance

0.07 pC charge injection

Low leakage: 0.2 nA maximum at 85°C

9 V to 40 V single-supply operation

48 V supply maximum ratings

Fully specified at ±15 V, ±20 V, +12 V, and +36 V

VSS to VDD analog signal range

## Application

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## Related Products



[ADV7181CBSTZ](#)  
Analog Devices, Inc  
LQFP-64



[AD8170AR](#)  
Analog Devices, Inc  
SOP8



[AD724JR](#)  
Analog Devices, Inc  
SOIC-16



[ADV7393BCPZ](#)  
Analog Devices, Inc  
LFCSP-VQ-40



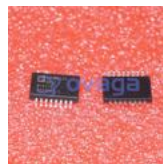
[ADV7391WBCPZ](#)  
Analog Devices, Inc  
LFSCP-3



[ADV7390BCPZ](#)  
Analog Devices, Inc  
QFN32



[ADV7341BSTZ](#)  
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[ADUM4160BRIZ](#)  
Analog Devices, Inc  
SOIC-16