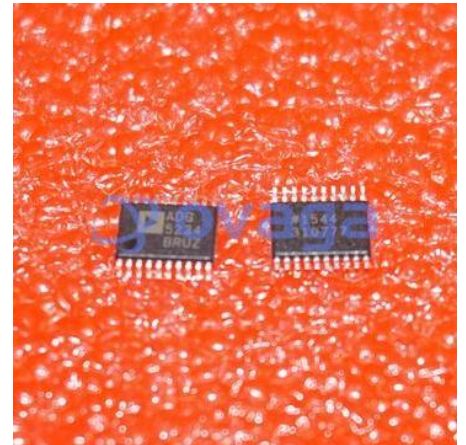


Analogue Switch, Quad Channel, 4 Channels, SPDT, 200 ohm, 9V to 40V,  $\pm 9V$  to  $\pm 22V$ , TSSOP, 20 Pins

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	TSSOP-20
Product Type	Analog Switch ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADG5234BRUZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

All channels exhibit break-before-make switching action that prevents momentary shorting when switching channels. An EN input on the ADG5233 (LFCSP and TSSOP packages) is used to enable or disable the device. When disabled, all channels are switched off.

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 coupled with high signal bandwidth make these devices suitable for video signal switching.

## Features

Latch-up proof

2.8 pF off source capacitance

9 pF off drain capacitance

0.4 pC charge injection

Low on resistance: 160  $\Omega$  typical

9 V to 40 V single-supply operation

48 V supply maximum ratings

Fully specified at  $\pm 15$  V,  $\pm 20$  V,  $+12$  V, and  $+36$  V

VDD to VSS analog signal range

Human body model (HBM) ESD rating 8 kV input/output port to supplies  
2 kV input/output port to input/output port 8 kV all other pins

## Application

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.

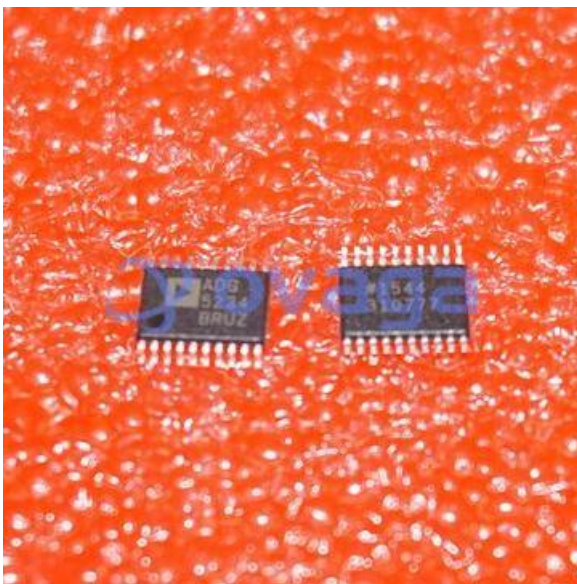
**Ultralow Capacitance and  $-0.6$  pC Charge Injection.**

**Dual-Supply Operation.** For applications where the analog signal is bipolar, the ADG5233/ADG5234 can be operated from dual supplies up to  $\pm 22$  V.

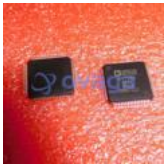
**Single-Supply Operation.** For applications where the analog signal is unipolar, the ADG5233/ADG5234 can be operated from a single-rail power supply up to 40 V.

**3 V Logic-Compatible Digital = 0.8 V.**

**No VL Logic Power Supply Required.**



## 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



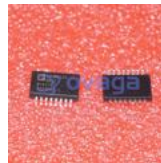
[ADV7390BCPZ](#)

Analog Devices, Inc  
QFN32



[ADV7341BSTZ](#)

Analog Devices, Inc  
LQFP-64



[ADUM4160BRIZ](#)

Analog Devices, Inc  
SOIC-16