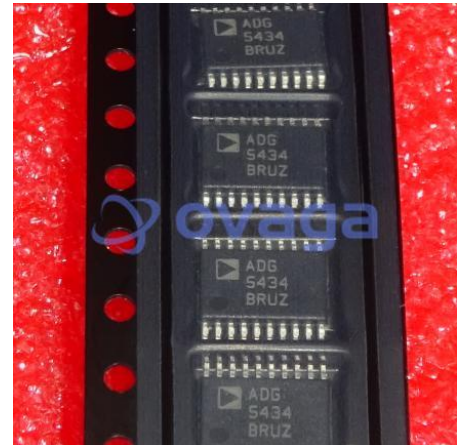


Analogue Switch, Quad Channel, 4 Channels, SPDT, 14 ohm, 9V to 40V, $\pm 9V$ to $\pm 22V$, TSSOP, 20 Pins

Manufacturers	Analog Devices, Inc
Package/Case	TSSOP-20
Product Type	Analog Switch ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADG5434BRUZ 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 ADG5433 (LFCSP and TSSOP packages) is used to enable or disable the device. When disabled, all channels are switched off.

The ultralow on resistance and on resistance flatness of these switches make them ideal solutions for data acquisition and gain switching applications, where low distortion is critical. Applications

Relay replacement

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.

Low RON.

Dual-supply operation. For applications where the analog signal is bipolar, the ADG5433/ADG5434 can be operated from dual supplies up to $\pm 22V$.

Single-supply operation. For applications where the analog signal is bipolar, the ADG5433/ADG5434 can be operated from a single-rail power supply up to 40V.

3 V logic-compatible digital inputs: = 0.8 V.

No VL logic power supply required.

Features

Latch-up proof

8 kV HBM ESD rating

Low on resistance (13.5 Ω)

9 V to 40 V single supply operation

48 V supply maximum ratings

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

VSS< to VDD< analog signal range

Application

Relay replacement

Automatic test equipment

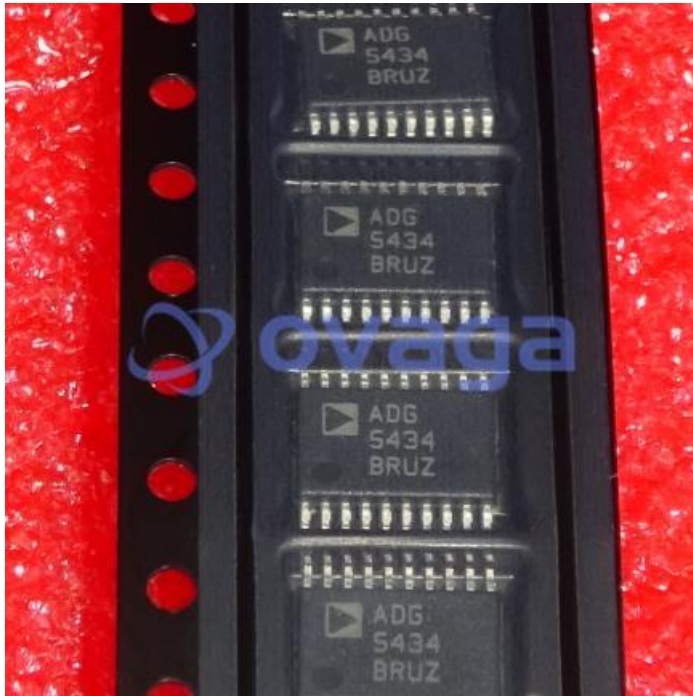
Data acquisition

Instrumentation

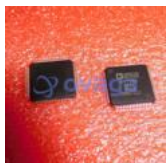
Avionics

Audio and video switching

Communication systems



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



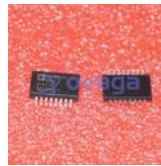
[ADV7390BCPZ](#)

Analog Devices, Inc
QFN32



[ADV7341BSTZ](#)

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LQFP-64



[ADUM4160BRIZ](#)

Analog Devices, Inc
SOIC-16