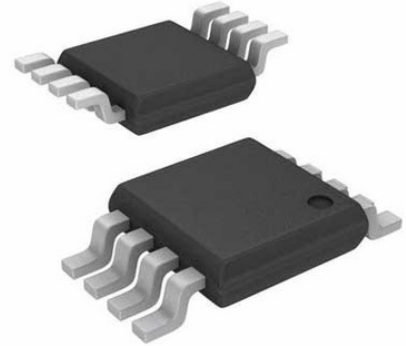


High Voltage Latch-Up Proof, Single SPDT Switch

Manufacturers	Analog Devices, Inc
Package/Case	8-TSSOP, 8-MSOP (0.118, 3.00mm Width)
Product Type	Analog Switches
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for ADG5419BRMZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

Each switch conducts equally well in both directions when on, and each switch has an input signal range that extends to the power supplies. In the off condition, signal levels up to the supplies are blocked. The ADG5419 exhibits break-before-make switching action for use in multiplexer applications.

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. The latch-up immune construction, and high ESD rating, makes these switches more robust in harsh environments.

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 ADG5419 can be operated from dual supplies up to ± 22 V.

Single-supply operation. For applications where the analog signal is unipolar, the ADG5419 can be operated from a single-rail power supply up to 40 V.

3 V logic compatible digital inputs: = 0.8 V.

No VL logic power supply required.

Features

Latch-up immune

Human body model (HBM) ESD rating: 8 kV

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, +12 V, and +36 V

VSS to VDD analog signal range

Application

High voltage signal routing

Automatic test equipment

Analog front-end circuits

Precision data acquisition

Industrial Instrumentation

Amplifier gain select

Relay replacement

Related Products



[ADV7181CBSTZ](#)

Analog Devices, Inc
LQFP-64



[ADV724JR](#)

Analog Devices, Inc
SOIC-16



[ADV7391WBCPZ](#)

Analog Devices, Inc
LFSCP-3



[ADV7341BSTZ](#)

Analog Devices, Inc
LQFP-64



[AD8170AR](#)

Analog Devices, Inc
SOP8



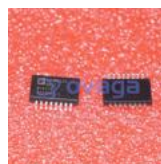
[ADV7393BCPZ](#)

Analog Devices, Inc
LFCSP-VQ-40



[ADV7390BCPZ](#)

Analog Devices, Inc
QFN32



[ADUM4160BRIZ](#)

Analog Devices, Inc
SOIC-16