

Analog Switch ICs PRECISION SINGLE SPDT SW

Manufacturers	Analog Devices, Inc
Package/Case	MSOP-8
Product Type	Analog Switch ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADG419BRMZ-REEL7 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADG419 is a monolithic CMOS SPDT switch. This switch is designed on an enhanced LC2MOS process that provides low power dissipation yet gives high switching speed, low on resistance, and low leakage currents.

The on resistance profile of the ADG419 is very flat over the full analog input range, ensuring excellent linearity and low distortion. The part also exhibits high switching speed and high signal bandwidth. CMOS construction ensures ultralow power dissipation, making the parts ideally suited for portable and battery-powered instruments.

Each switch of the ADG419 conducts equally well in both directions when on and has an input signal range that extends to the supplies. In the off condition, signal levels up to the supplies are blocked. The ADG419 exhibits break-before-make switching action.

The ADG419-EP supports defense and aerospace applications (AQEC)

Features

44 V supply maximum ratings

VSS to VDD analog signal range

Low on resistance: $<35 \Omega$

Ultralow power dissipation: $< 35 \mu\text{W}$

Fast transition time: 160 ns maximum

Break-before-make switching action

Plug-in replacement for DG419

ADG419-EP supports defense and aerospace applications (AQEC standard)

[Download\(pdf\)](#)

Military temperature range:

Controlled manufacturing baseline

One assembly/test site

One fabrication site

Enhanced product change notification

Qualification data available on request

V62/10615 DSCC Drawing Number

Application

Precision test equipment

Precision instrumentation

Battery-powered systems

Sample-and-hold 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



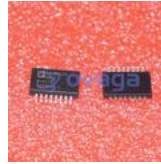
[ADV7390BCPZ](#)

Analog Devices, Inc
QFN32



[ADV7341BSTZ](#)

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LQFP-64



[ADUM4160BRIZ](#)

Analog Devices, Inc
SOIC-16