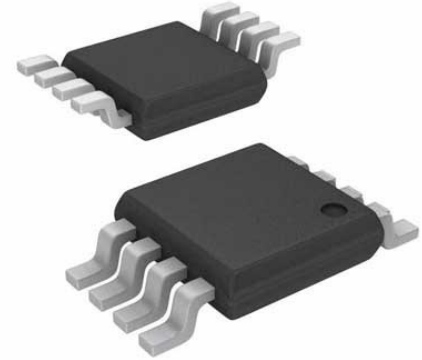


Analogue Switch, 1 Channels, SPDT, 4 ohm, 1.8V to 5.5V, MSOP, 8 Pins

Manufacturers	Analog Devices, Inc
Package/Case	MSOP-8
Product Type	Interface - Switches, Multiplexers, Demultiplexers
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for ADG719BRMZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADG719 is a monolithic CMOS SPDT switch. This switch is designed on a submicron process that provides low power dissipation yet gives high switching speed, low on resistance, and low leakage currents.

The ADG719 can operate from a single-supply range of 1.8 V to 5.5 V, making it ideal for use in battery-powered instruments and with the new generation of DACs and ADCs from Analog Devices, Inc.

Each switch of the ADG719 conducts equally well in both directions when on. The ADG719 exhibits break-before-make switching action.

Because of the advanced submicron process, -3 dB bandwidths of greater than 200 MHz can be achieved.

The ADG719 is available in a 6-lead SOT-23 package and an 8-lead MSOP package.

The ADG719-EP supports Military and Aerospace Applications.

PRODUCT HIGHLIGHTS

1.8 V to 5.5 V Single-Supply Operation. The ADG719 offers high performance, including low on resistance and fast switching times, and is fully specified and guaranteed with 3 V and 5 V supply rails.

Very Low RON (4 Ω Max at 5 V and 10 Ω Max at 3 V). At 1.8 V operation, RON is typically 40 Ω over the temperature range.

Automotive Temperature Range: -40°C to +125°C.

On Resistance Flatness (RFLAT(ON)) (0.75 Ω typ).

-3 dB Bandwidth > 200 MHz.

Low Power Dissipation. CMOS construction ensures low power dissipation.

Fast tON/tOFF.

Tiny, 6-lead SOT-23 and 8-lead MSOP packages.

Features

1.8 V to 5.5 V single supply

4 Ω (max) on resistance

0.75 Ω (Typ) On-Resistance Flatness

Rail-to-Rail Operation

6-Lead SOT-23 package and 8-Lead MSOP package

Fast Switching Times tON12 nstOFF6 ns

Typical Power Consumption (<0.01 μ W)

TTL/CMOS Compatible

ADG719-EP supports defense and aerospace applications (AQEC standard)

[Download\(pdf\)](#)

Military Temperature Range: -55°C to $+125^{\circ}\text{C}$

Controlled Manufacturing Baseline

Enhanced Product Change Notification

Qualification data Available on Request

V62/12650 DSCC Drawing Number

Application

Battery Powered Systems

Communication Systems

Sample Hold Systems

Audio Signal Routing

Video Switching

Mechanical Reed Relay Replacement

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](#)

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QFN32



[ADV7341BSTZ](#)

Analog Devices, Inc

LQFP-64



[ADUM4160BRIZ](#)

Analog Devices, Inc

SOIC-16