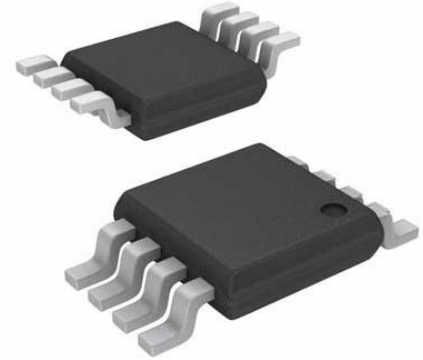


Analogue Switch, Dual Channel, 2 Channels, SPST, 4 ohm, 1.8V to 5.5V, MSOP, 8 Pins

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 ADG721BRMZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADG721, ADG722, and ADG723 are monolithic CMOS SPST switches. These switches are designed on an advanced submicron process that provides low power dissipation yet gives high switching speed, low on resistance, and low leakage currents. The devices are packaged in both a tiny 3 mm × 2 mm LFCSP and an MSOP, making them ideal for space-constrained applications.

The ADG721, ADG722, and ADG723 are designed to operate from a single 1.8 V to 5.5 V supply, making them ideal for use in battery-powered instruments and with the new generation of DACs and ADCs from Analog Devices, Inc.

The ADG721, ADG722, and ADG723 contain two independent single-pole/single-throw (SPST) switches. The ADG721 and ADG722 differ only in that both switches are normally open and normally closed, respectively. In the ADG723, Switch 1 is normally open and Switch 2 is normally closed.

Each switch of the ADG721, ADG722, and ADG723 conducts equally well in both directions when on. The ADG723 exhibits break-before-make switching action.

Product Highlights

1.8 V to 5.5 V single-supply operation.

Very low RON (4 Ω max at 5 V, 10 Ω max at 3 V).

Low on resistance flatness.

−3 dB bandwidth >200 MHz.

Low power dissipation. CMOS construction ensures low power dissipation.

8-lead MSOP and 3 mm × 2 mm LFCSP.

Features

1.8 V to 5.5 V single supply

Low on resistance flatness

Tiny package options 8-lead MSOP 3 mm × 2 mm LFCSP (A grade)

4 Ω (max) on resistance

Fast switching times TON 20 ns TOFF 10 ns

Low power consumption (<0.1 μW)

TTL/CMOS compatible

Application

USB 1.1 signal switching circuits

Cell phones

PDAs

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



[AD724JR](#)

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