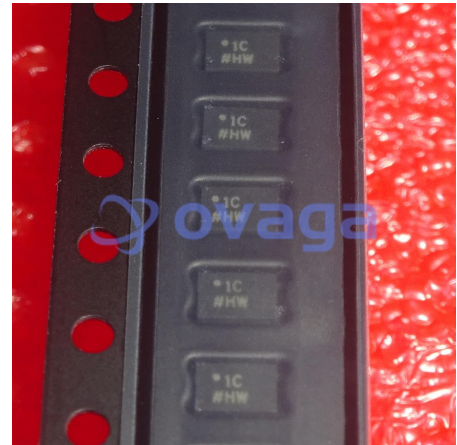


Analog Switch ICs 2.5ohm Max Ron 15V/+12V/+5V iCMOS SPDT

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



Images are for reference only

Please submit RFQ for ADG1419BCPZ-REEL7 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADG1419 is a monolithic iCMOS® device containing a single-pole/double-throw (SPDT) switch. An EN input on the LFCSP is used to enable or disable the device. When disabled, all channels are switched off.

The industrial CMOS (iCMOS) modular manufacturing process combines high voltage, complementary metal-oxide semiconductor (CMOS) and bipolar technologies. It enables the development of a wide range of high performance analog ICs capable of 3.3 V operation in a footprint that no other generation of high voltage parts has achieved. Unlike analog ICs using conventional CMOS processes, iCMOS components can tolerate high supply voltages while providing increased performance, dramatically lower power consumption, and reduced package size.

The on-resistance profile is very flat over the full analog input range, ensuring excellent linearity and low distortion when switching audio signals. The iCMOS construction ensures ultra-low power dissipation, making the part ideally suited for portable and battery-powered instruments.

Each switch 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 ADG1419 exhibits break-before-make switching action for use in multiplexer applications.

Product Highlights

2.4 Ω maximum on resistance at 25°C.

Minimum distortion.

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

No VL logic power supply required.

8-lead MSOP and 8-lead, 3 mm × 2 mm LFCSP.

Features

2.1 Ω on resistance

0.5 Ω maximum on-resistance flatness at 25°C

Up to 390 mA continuous current

Fully specified at +12 V, ± 15 V, ± 5 V

No VL supply required

3 V logic-compatible inputs

Rail-to-rail operation

8-lead MSOP and 8-lead, 3 mm \times 2 mm LFCSP

Application

Automatic test equipment

Data acquisition systems

Battery-powered systems

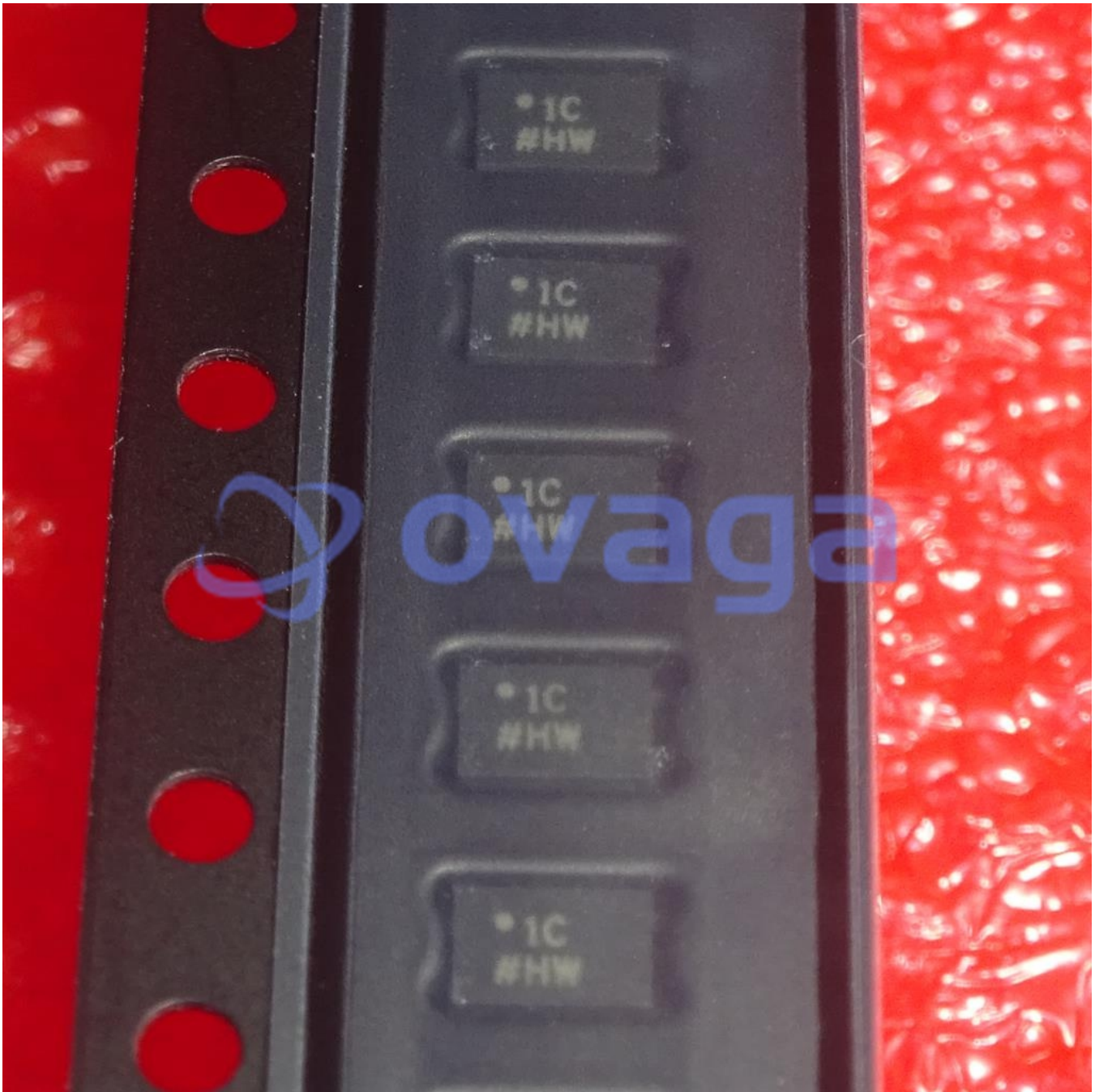
Relay replacements

Sample-and-hold systems

Audio signal routing

Video signal routing

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



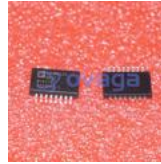
[ADV7390BCPZ](#)

Analog Devices, Inc
QFN32



[ADV7341BSTZ](#)

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LQFP-64



[ADUM4160BRIZ](#)

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SOIC-16