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ADG714BRUZ

Data Sheet

CMOS, Low Voltage, SPI/QSPI/Microwire Compatible Interface, Serially Controlled, Octal SPST Switches

Manufacturers	Analog Devices, Inc
Package/Case	TSSOP-24
Product Type	Analog Switches Multiplexers ; Single Supply 2V to 16V
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADG714BRUZ or Email to us: sales@ovaga.com We will contact you in 12 hours.

<u>RFQ</u>

General Description

The ADG714 is a complementary metal-oxide semiconductor (CMOS), octal single-pole, single-throw (SPST) switch controlled via a 3-wire serial interface. On resistance is closely matched between the switches and is flat over the full signal range. Each switch conducts equally well in both directions, and the input signal range extends to the supplies. Data is written to these devices in the form of 8 bits, each bit corresponding to one channel.

The ADG714 uses a 3-wire serial interface that is compatible with serial peripheral interface (SPI), QSPITM, MICROWIRETM interface standards, and most digital signal processing (DSP) interface standards. The output of the shift register DOUT enables a number of these devices to be daisy-chained.

On power-up, all switches are in the OFF condition, and the internal registers contain all zeros.

A low power consumption and operating supply range of 2.7 V to 5.5 V makes this part ideal for many applications. The ADG714 may also be supplied from a dual ± 2.5 V supply. The ADG714 is available in a 24-lead TSSOP and a 24-lead LFCSP.

Product Highlights

3-wire serial interface.

Single-/dual-supply operation. The ADG714 and ADG715 are fully specified and guaranteed with 3 V, 5 V, and ±2.5 V supply rails.

Low on resistance, typically 2.5 Ω .

Low leakage.

Power-on reset.

A 24-lead TSSOP.

A 24-lead LFCSP.

Features

SPI/QSPI/MICROWIRE-compatible interface

2.7 V to 5.5 V single supply

 2.5Ω on resistance

 $0.6 \ \Omega$ on resistance fatness

0.1 nA leakage currents

Octal SPST

Power-on reset

Fast switching times

TTL/CMOS compatible

24-lead TSSOP and 24-lead LFCSP

Application

Data acquisition systems

Communication systems

Relay replacement

Audio and video switching





Related Products



ADV7181CBSTZ

Analog Devices, Inc LQFP-64



AD8170AR

Analog Devices, Inc SOP8



ADV7393BCPZ

Analog Devices, Inc LFCSP-VQ-40



Analog Devices, Inc

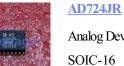


QFN32

ADV7390BCPZ

ADUM4160BRIZ

Analog Devices, Inc SOIC-16



Analog Devices, Inc SOIC-16

ADV7391WBCPZ

Analog Devices, Inc

LFSCP-3







Ovaga Technologies Limited