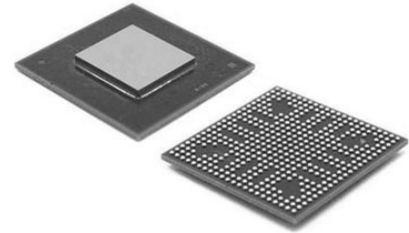


9.5 ohm RON, 16-Channel, Differential 8-Channel, ± 15 V/12 V/ ± 5 ...

Manufacturers	Analog Devices, Inc
Package/Case	LFCSP-32
Product Type	Multiplexer Switch ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADG1406BCPZ-REEL7 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADG1406 and ADG1407 are monolithic iCMOS® analog multiplexers comprising 16 single channels and eight differential channels, respectively. The ADG1406 switches one of 16 inputs to a common output, as determined by the 4-bit binary address lines (A0, A1, A2, and A3). The ADG1407 switches one of eight differential inputs to a common differential output, as determined by the 3-bit binary address lines (A0, A1, and A2). An EN input on both devices enables or disables the device. When disabled, all channels switch off. When on, each channel conducts equally well in both directions and has an input signal range that extends to the supplies.

The iCMOS (industrial CMOS) modular manufacturing process combines high voltage CMOS (complementary metal oxide semiconductor) and bipolar technologies. It enables the development of a wide range of high performance analog ICs capable of 33 V operation in a footprint that no other generation of high voltage parts has been able to achieve. 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 ultralow on resistance and on-resistance flatness of these switches make them ideal solutions for data acquisition and gain switching applications where low distortion is critical. iCMOS construction ensures ultralow power dissipation, making the parts ideally suited for portable and battery-powered instruments.

Features

9.5 Ω on resistance at 25°C

Up to 300 mA of continuous current

Fully specified at ± 15 V/ ± 12 V/ ± 5 V

3 V logic-compatible inputs

Rail-to-rail operation

Break-before-make switching action

28-lead TSSOP and 32-lead, 5 mm \times 5 mm LFCSP

Application

Medical equipment

Audio and video routing

Automatic test equipment

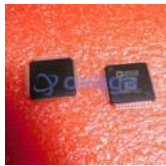
Data acquisition systems

Battery-powered systems

Sample-and-hold systems

Communication systems

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