

Analog Multiplexer, 16:1, 1 Circuit, 80 ohm, 100 μ A, 10.8V to 13.2V, \pm 13.5V to \pm 16.5V, DIP-28

Manufacturers	Analog Devices, Inc
Package/Case	PDIP-28
Product Type	Multiplexer Switch ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADG426BNZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADG406, ADG407, and ADG426 are monolithic CMOS analog multiplexers. The ADG406 and ADG426 switch one of sixteen inputs to a common output as determined by the 4-bit binary address lines: A0, A1, A2, and A3. The ADG426 has on-chip address and control latches that facilitate microprocessor interfacing. The ADG407 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 all devices is used to enable or disable the device. When disabled, all channels are switched off.

The ADG406/ADG407/ADG426 are designed on an enhanced LC2MOS process that provides low power dissipation yet gives high switching speed and low on resistance. These features make the parts suitable for high speed data acquisition systems and audio signal switching. Low power dissipation makes the parts suitable for battery powered systems. Each channel conducts equally well in both directions when on and has an input signal range which extends to the supplies. In the off condition, signal levels up to the supplies are blocked. All channels exhibit break-before-make switching action preventing momentary shorting when switching channels. Inherent in the design is low charge injection for minimum transients when switching the digital inputs.

Product Highlights

Extended Signal Range.

The ADG406/ADG407/ADG426 are fabricated on an enhanced LC2MOS process giving an increased signal range which extends to the supply rails.

Low Power Dissipation.

Low RON.

Single/Dual Supply Operation.

Single Supply Operation.

For applications where the analog signal is unipolar, the ADG406/ADG407/ADG426 can be operated from a single rail power supply. The parts

are fully specified with a single +12 V power supply and remain functional with single supplies as low as +5 V.

Applications

Audio and video routing

Automatic test equipment

Data acquisition systems

Battery powered systems

Sample hold systems

Communication systems

Avionics

Features

44 V supply maximum ratings

VSS to VDD analog signal range

Low on resistance (80 Ω maximum)

Low power

Fast switching

tON < 160 ns

tOFF < 150 ns

Break-before-make switching action

Application

Audio and video routing

Automatic test equipment

Data acquisition systems

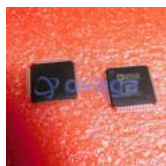
Battery powered systems

Sample hold systems

Communication systems

Avionics

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](#)

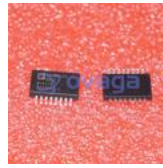
Analog Devices, Inc
QFN32



[ADV7341BSTZ](#)

Analog Devices, Inc

LQFP-64



[ADUM4160BRIZ](#)

Analog Devices, Inc

SOIC-16