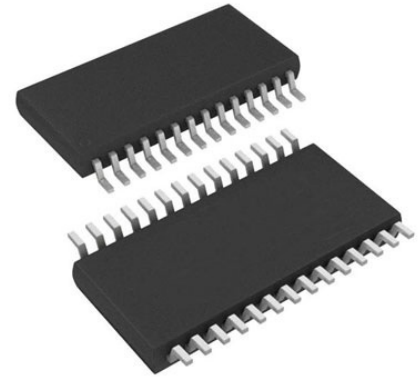


8:1 Analog Multiplexer IC, Dual, 2.5 ohm, 1.8V to 5.5V, TSSOP-28

| | |
|---------------|--|
| Manufacturers | Analog Devices, Inc |
| Package/Case | TSSOP-28 |
| Product Type | Interface - Switches, Multiplexers, Demultiplexers |
| RoHS | Pb-free Halide free |
| Lifecycle | |



Images are for reference only

Please submit RFQ for ADG707BRUZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADG706 and ADG707 are low-voltage, CMOS analog multiplexers comprising 16 single channels and eight differential channels, respectively. The ADG706 switches one of 16 inputs (S1–S16) to a common output, D, as determined by the 4-bit binary address lines A0, A1, A2, and A3. The ADG707 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 is used to enable or disable the device. When disabled, all channels are switched OFF.

Low-power consumption and operating supply range of 1.8 V to 5.5 V make the ADG706 and ADG707 ideal for battery-powered, portable instruments. All channels exhibit break-before-make switching action preventing momentary shorting when switching channels. These devices are also designed to operate from a dual supply of ± 2.5 V.

These multiplexers are designed on an enhanced submicron process that provides low-power dissipation yet gives high switching speed, very low ON resistance, and leakage currents. ON resistance is in the region of a few ohms and is closely matched between switches and very flat over the full signal range. These parts can operate equally well as either multiplexers or demultiplexers and have an input signal range that extends to the supplies.

The ADG706 and ADG707 are available in small 28-lead TSSOP packages.

Product Highlights

Single-/dual-supply operation. The ADG706 and ADG707 are fully specified and guaranteed with 3 V and 5 V single-supply and ± 2.5 V dual-supply rails.

Low ON resistance (2.5 Ω typical)

Low-power consumption (<0.01 μ W)

Guaranteed break-before-make switching action

Small 28-lead TSSOP package

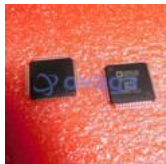
Features

2.5 Ω ON resistance
0.5 Ω ON resistance flatness
100 pA leakage currents
40 ns switching times
Differential 8-to-1 multiplexer
28-lead TSSOP package
Low-power consumption
TTL/CMOS-compatible inputs

Application

Data acquisition systems
Communication systems
Relay replacement
Audio and video switching
Battery-powered 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](#)
Analog Devices, Inc
LQFP-64



[ADUM4160BRIZ](#)
Analog Devices, Inc
SOIC-16