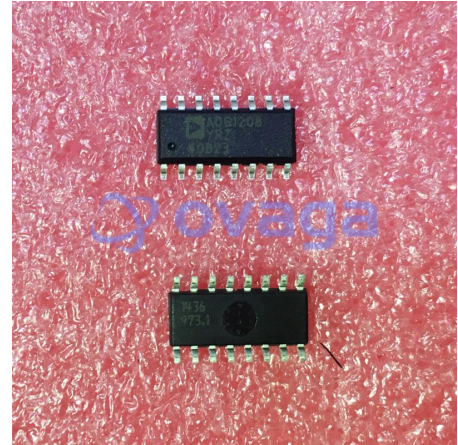


8:1 Analog Multiplexer IC, Single, 120 ohm, 10.8V to 13.2V, SOIC-16

Manufacturers	Analog Devices, Inc
Package/Case	SOIC-16
Product Type	Multiplexer Switch ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADG1208YRZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADG1208 and ADG1209 are monolithic, iCMOS® analog multiplexers comprising eight single channels and four differential channels, respectively. The ADG1208 switches one of eight inputs to a common output as determined by the 3-bit binary address lines A0, A1, and A2. The ADG1209 switches one of four differential inputs to a common differential output as determined by the 2-bit binary address lines A0 and A1. An EN input on both devices enable or disable the device. When disabled, all channels are switched 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 devices 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 capacitance and exceptionally low charge injection of these multiplexers make them ideal solutions for data acquisition and sample-and-hold applications, where low glitch and fast settling are required. There is minimum charge injection over the entire signal range of the device. iCMOS construction also ensures ultralow power dissipation, making them ideally suited for portable and battery-powered instruments.

Features

1 pF off capacitance

33 V supply range

120 Ω on resistance

Fully specified at ± 15 V/+12 V

3 V logic compatible inputs

Rail-to-rail operation

Break-before-make switching action

Available in a 16-lead TSSOP, a 16-lead LFCSP_WQ, and a 16-lead SOIC

Typical power consumption $< 0.03 \mu\text{W}$

Application

Audio and video routing

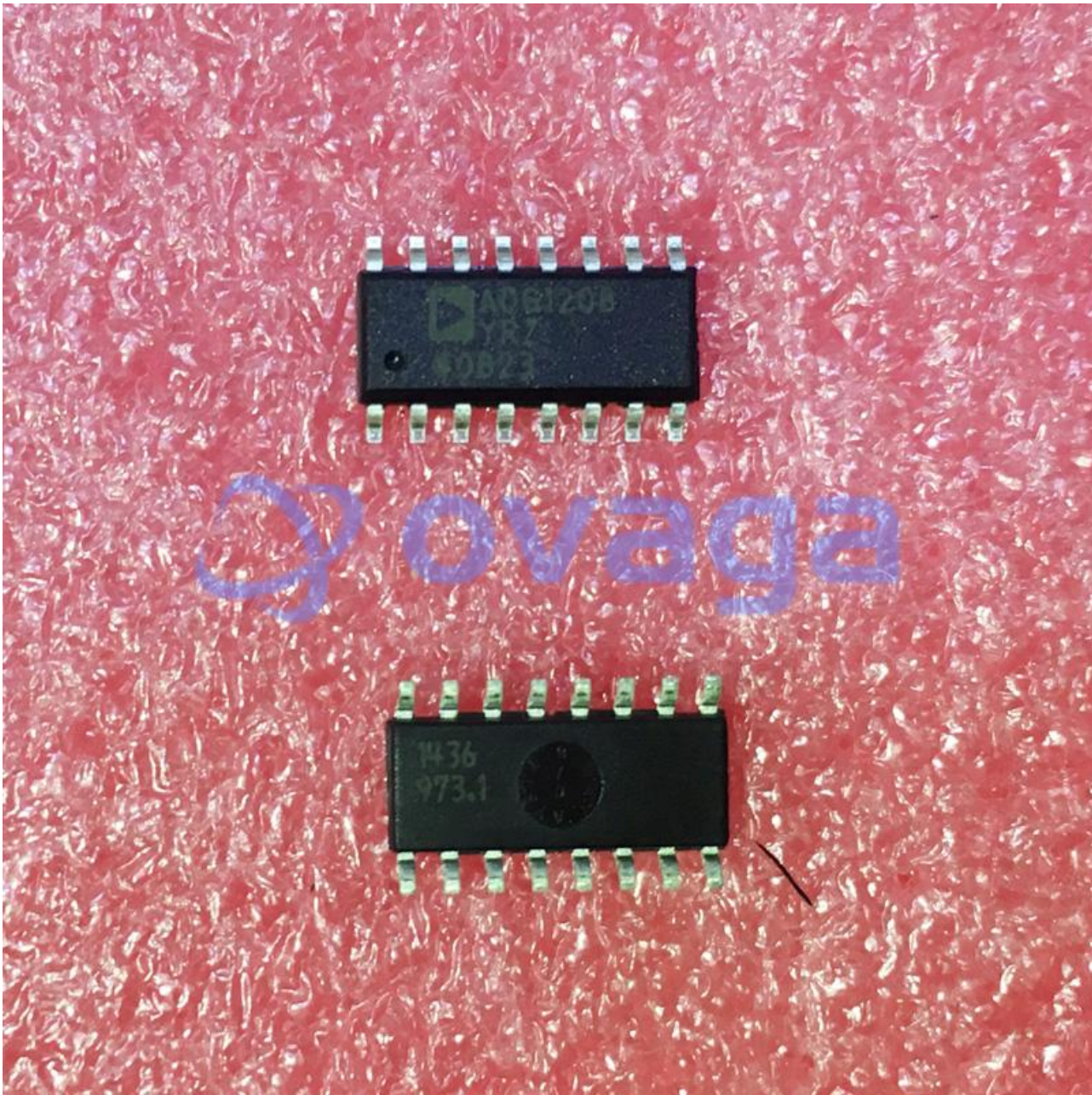
Automatic test equipment

Data-acquisition systems

Battery-powered systems

Sample-and-hold systems

Communication systems





Related Products



[ADV7181CBSTZ](#)

Analog Devices, Inc
LQFP-64



[AD8170AR](#)

Analog Devices, Inc
SOP8



[AD724JR](#)

Analog Devices, Inc
SOIC-16



[ADV7393BCPZ](#)

Analog Devices, Inc
LFCSP-VQ-40



[ADV7391WBCPZ](#)

Analog Devices, Inc
LFSCP-3



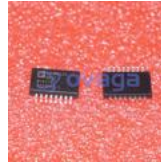
[ADV7390BCPZ](#)

Analog Devices, Inc
QFN32



[ADV7341BSTZ](#)

Analog Devices, Inc
LQFP-64



[ADUM4160BRIZ](#)

Analog Devices, Inc
SOIC-16