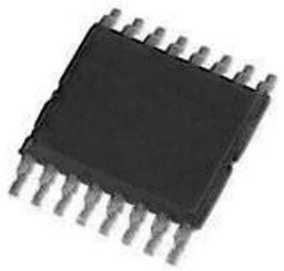
ADG1234YRUZ

Data Sheet

Analogue Switch, Quad Channel, 4 Channels, SPDT, 190 ohm, 10.8V to 13.2V, TSSOP, 20 Pins

Manufacturers	Analog Devices, Inc
Package/Case	TSSOP-16
Product Type	Interface - Switches, Multiplexers, Demultiplexers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADG1234YRUZ or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The ADG1233 and ADG1234 are monolithic iCMOS® analogswitches comprising three independently selectable single-pole,double throw SPDT switches and four independently selectableSPDT switches, respectively.

All channels exhibit break-before-make switching actionpreventing momentary shorting when switching channels. AnEN input on the ADG1233 and ADG1234 enables or disablesthe device. When disabled, all channels are switched off.

The iCMOS (industrial-CMOS) modular manufacturing processcombines a high voltage complementary metal-oxide semiconductor(CMOS) and bipolar technologies. It enables thedevelopment of a wide range of high performance analog ICscapable of 33 V operation in a footprint that no other generation ofhigh voltage devices has been able to achieve.

Unlike analog ICs using conventional CMOS processes, iCMOScomponents can tolerate high supply voltages while providingincreased performance, dramatically lowered power consumption,and reduced package size.

The ultralow capacitance and charge injection of these multiplexersmake them ideal solutions for data acquisition and sample-andholdapplications, where low glitch and fast settling are required.

Fast switching speed coupled with high signal bandwidth make thedevices suitable for video signal switching. iCMOS constructionensures ultralow power dissipation, making the devices ideallysuited for portable and battery-powered instruments.

Product Highlights

1.5 pF off capacitance (±15 V supply).

0.5 pC charge injection.

3 V logic-compatible digital input, = 0.8 V.

16-lead TSSOP, 20-lead TSSOP, and 4 mm × 4 mm LFCSP.

Features

1.5 pF off capacitance

0.5 pC charge injection

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

16-lead TSSOP, 20-lead TSSOP, and 4 mm × 4 mm LFCSP

Typical power consumption (<0.03 µW)

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

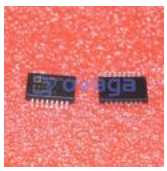
Analog Devices, Inc

QFN32

ADV7341BSTZ

Analog Devices, Inc

LQFP-64



ADUM4160BRIZ

Analog Devices, Inc

SOIC-16