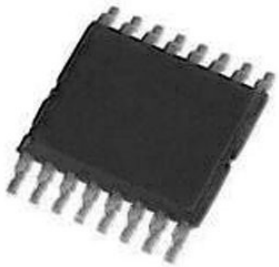
ADG612YRUZ

Data Sheet

CMOS ±5 V/5 V/3 V Quad SPST Switches; Package: TSSOP; No of Pins: 16;
Temperature Range: Automotive

Manufacturers	Analog Devices, Inc
Package/Case	TSSOP-16
Product Type	Analog Switches Multiplexers ; Single Supply 2V to 16V
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADG612YRUZ or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The devices are fully specified for ±5 V, +5 V, and +3 V supplies. Each contains four independent single-pole, single-throw (SPST) switches. The ADG611 and ADG612 differ only in that the digital control logic is inverted. The ADG611 switches are turned on with a logic low on the appropriate control input, whereas a logic high is required to turn on the switches of the ADG612. The ADG613 contains two switches with digital control logic similar to that of the ADG611 and two switches in which the logic is inverted.

Each switch conducts equally well in both directions when on and has an input signal range that extends to the supplies. The ADG613 exhibits break-before-make switching action. The ADG611/ADG612/ADG613 are available in a small, 16-lead TSSOP package, and the ADG611 is also available in a 16-lead SOIC package.

Product Highlights

Ultralow charge injection (1 pC typically).

Dual ±2.7 V to ±5.5 V or single +2.7 V to +5.5 V operation.

Automotive temperature range: −40°C to +125°C.

Small, 16-lead TSSOP and SOIC packages.

Features

1 pC Charge Injection

Automotive temperature range: −40°C to +125°C

100 pA maximum at 25°C leakage currents

85 Ω on resistance

Rail-to-rail switching operation

Fast switching times

16-lead TSSOP and SOIC packages

Typical power consumption: <0.1 µW

TTL-/CMOS-compatible inputs

Application

Automatic test equipment

Data acquisition systems

Battery-powered systems

Communications systems

Sample-and-hold systems

Audio signal routing

Relay replacement

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