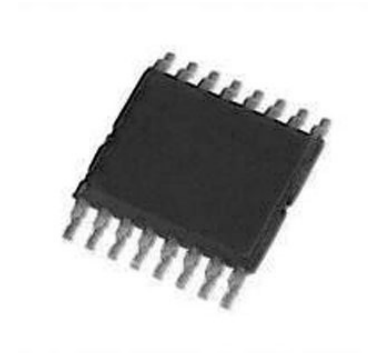


Analogue Switch, Quad Channel, 4 Channels, SPST, 0.5 ohm, 1.65V to 3.6V, TSSOP, 16 Pins

| | |
|---------------|------------------------------------------------------------|
| Manufacturers | Analog Devices, Inc |
| Package/Case | TSSOP-16 |
| Product Type | Analog Switches Multiplexers ; Single Supply 1.65V to 5.5V |
| RoHS | Rohs |
| Lifecycle | |



Images are for reference only

Please submit RFQ for ADG811YRUZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADG811/ADG812/ ADG813 are low voltage CMOS devices containing four independently selectable switches. These switches offer ultralow on resistance of less than 0.8 Ω over the full temperature range. The digital inputs can handle 1.8 V logic with a 2.7 V to 3.6 V supply.

These devices contain four independent single-pole/single-throw (SPST) switches. The ADG811 and ADG812 differ only in that the digital control logic is inverted. The ADG811 switches are turned on with a logic low on the appropriate control input, while a logic high is required to turn on the switches of the ADG812. The ADG813 contains two switches whose digital control logic is similar to the ADG811, while the logic is inverted on the other two switches.

Each switch conducts equally well in both directions when on and has an input signal range that extends to the supplies. The ADG813 exhibits break-before-make switching action.

The ADG811/ADG812/ADG813 are fully specified for 3.3 V, 2.5 V, and 1.8 V supply operation. The ADG811 is available in a 16-lead TSSOP package and a 16-lead LFCSP package, and the ADG812/ADG813 are available in a 16-lead TSSOP package.

Product Highlights

<0.8 Ω over full temperature range of -40°C to $+125^{\circ}\text{C}$.

Single 1.65 V to 3.6 V operation.

Operational with 1.8 V CMOS logic.

High current handling capability (300 mA continuous current at 3.3 V).

Low THD + N (0.02% typical).

Small 3 mm \times 3 mm LFCSP package and 16-lead TSSOP package.

Features

0.5 Ω typical on resistance

0.8 Ω maximum on resistance at 125°C

1.65 V to 3.6 V operation

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

High current carrying capability: 300 mA continuous

Rail-to-rail switching operation

Fast switching times: <25 ns

Typical power consumption <0.1 μ W

Application

Cellular phones

MP3 players

Power routing

Battery-powered systems

PCMCIA cards

Modems

Audio and video signal routing

Communications systems

Related Products



[ADV7181CBSTZ](#)

Analog Devices, Inc
LQFP-64



[AD724JR](#)

Analog Devices, Inc
SOIC-16



[ADV7391WBCPZ](#)

Analog Devices, Inc
LFSCP-3



[ADV7341BSTZ](#)

Analog Devices, Inc
LQFP-64



[AD8170AR](#)

Analog Devices, Inc
SOP8



[ADV7393BCPZ](#)

Analog Devices, Inc
LFCSP-VQ-40



[ADV7390BCPZ](#)

Analog Devices, Inc
QFN32



[ADUM4160BRIZ](#)

Analog Devices, Inc
SOIC-16