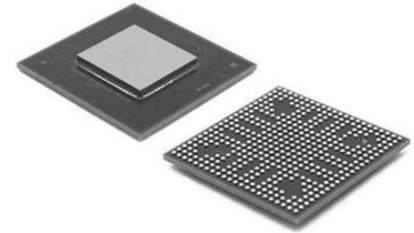


Analogue Switch, 4 Channels, SPST, 3.6 ohm, $\pm 3.3V$ to $\pm 8V$, 3.3V to 16.5V, LFCSP, 16 Pins

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



Images are for reference only

Please submit RFQ for ADG1612BCPZ-REEL7 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADG1613 exhibits break-before-make switching action for use in multiplexer applications. Inherent in the design is the low charge injection for minimum transients when switching the digital inputs.

The ultralow on resistance of these switches make them ideal solutions for data acquisition and gain switching applications where low on resistance and distortion is critical. The on resistance profile is very flat over the full analog input range, ensuring excellent linearity and low distortion when switching audio signals.

The CMOS construction ensures ultralow power dissipation, making them ideally suited for portable and battery-powered instruments.

Product Highlights

1.6 Ω maximum on resistance over temperature

Minimum distortion: THD \rightarrow

3 V logic-compatible digital inputs: = 0.8 V

No VL logic power supply required.

Ultralow power dissipation: <16 nW

16-lead TSSOP and 16-lead, 4 mm \times 4 mm LFCSP

Features

1 Ω typical on resistance
0.2 Ω on resistance flatness
3.3 V to 16 V single-supply operation
No VL supply required
3 V logic-compatible inputs
Rail-to-rail operation
See data sheet for additional features

Application

Communication systems
Medical systems
Audio signal routing
Video signal routing
Automatic test equipment
Data acquisition systems
Battery-powered systems
Sample-and-hold systems
Relay replacements

Related Products



[ADV7181CBSTZ](#)
Analog Devices, Inc
LQFP-64



[AD8170AR](#)
Analog Devices, Inc
SOP8



[AD724JR](#)
Analog Devices, Inc
SOIC-16



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LFCSP-VQ-40



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QFN32



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LQFP-64



[ADUM4160BRIZ](#)
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SOIC-16