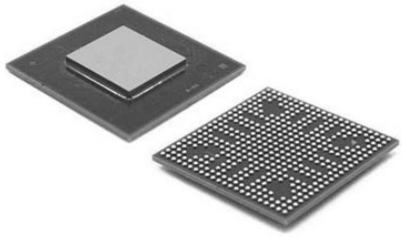
ADG1604BCPZ-REEL7

Data Sheet

Analog Multiplexer, 4:1, 1 Circuit, 3.6 ohm, ± 3.3V to ± 8V, 3.3V to 16V, LFCSP-16

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



Images are for reference only

Please submit RFQ for ADG1604BCPZ-REEL7 or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The ADG1604 is a complementary metal-oxide semiconductor(CMOS) analog multiplexer and switches one of four inputs toa common output, D, as determined by the 3-bit binary addresslines, A0, A1, and EN. Logic 0 on the EN pin disables the device.Each switch conducts equally well in both directions when onand has an input signal range that extends to the supplies. Inthe off condition, signal levels up to the supplies are blocked.All switches exhibit break-before-make switching action.Inherent in the design is low charge injection for minimumtransients when switching the digital inputs.

The ultralow on resistance of these switches make them idealsolutions for data acquisition and gain switching applications wherelow on resistance and distortion is critical. The on resistance profileis very flat over the full analog input range, ensuring excellentlinearity and low distortion when switching audio signals.

The CMOS construction ensures ultralow power dissipation,making the devices ideally suited for portable and batterypoweredinstruments.

Product Highlights

1.6 Ω maximum on resistance over temperature.

Minimum distortion: THD +>

3 V logic-compatible digital inputs: = 0.8 V.

No VL logic power supply required.

Ultralow power dissipation: <16 nW.

14-lead TSSOP and 16-lead, 4 mm × 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

Continuous current per channel

LFCSP: 504 mA

TSSOP: 315 mA

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

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

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