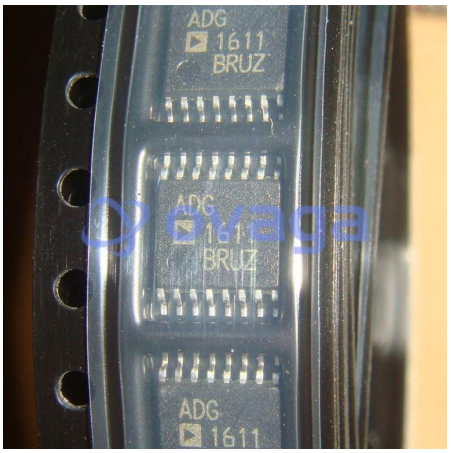
ADG1611BRUZ

Data Sheet

Analogue Switch, Quad Channel, 4 Channels, SPST, 1.2 ohm, 3.3V to 16V, TSSOP, 16 Pins

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



Images are for reference only

Please submit RFQ for ADG1611BRUZ or Email to us: 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 +>

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 × 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

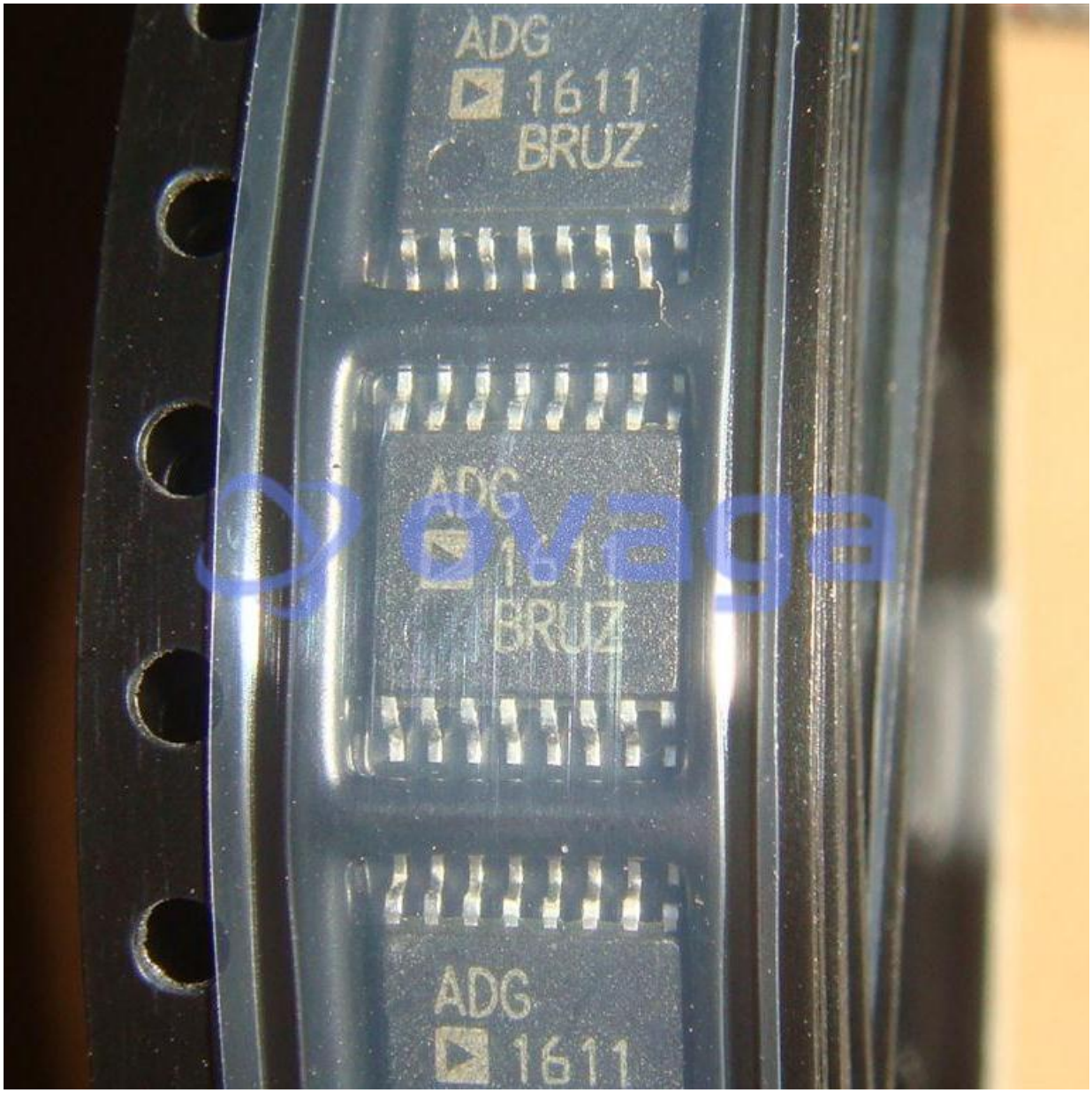
Automatic test equipment

Data acquisition systems

Battery-powered systems

Sample-and-hold systems

Relay replacements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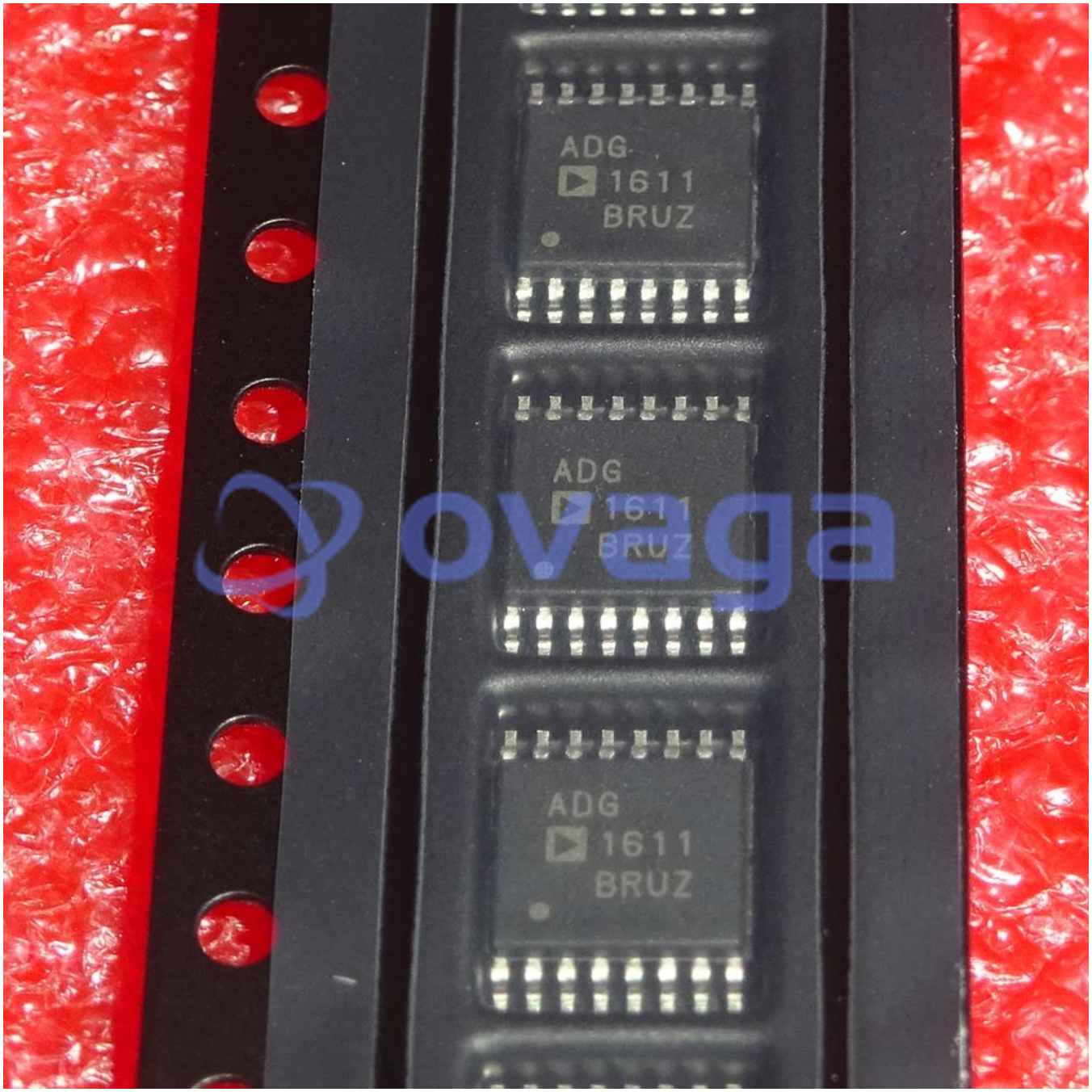


Related Products

[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

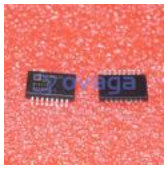
Analog Devices, Inc

QFN32

ADV7341BSTZ

Analog Devices, Inc

LQFP-64



ADUM4160BRIZ

Analog Devices, Inc

SOIC-16