

0.4 OHM CMOS, Dual DPDT Switch in WLCSP/LFCSP/TSSOP Packages

Manufacturers	Analog Devices, Inc
Package/Case	TSSOP16
Product Type	Interface - Switches, Multiplexers, Demultiplexers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADG888YRUZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADG888 is a low voltage, dual DPDT (double-pole, double-throw) CMOS device optimized for high performance audio switching. With its low power and small physical size, it is ideal for portable devices.

This device offers ultralow on resistance of less than 0.8 Ω over the full temperature range, making it an ideal solution for applications requiring minimal distortion through the switch. The ADG888 also has the capability of carrying large amounts of current, typically 400 mA at 5 V operation.

When on, each switch conducts equally well in both directions and has an input signal range that extends to the supplies. The ADG888 exhibits break-before-make switching action.

The ADG888 is available in a 16-ball WLCSP, 16-lead LFCSP, and a 16-lead TSSOP. These packages make the ADG888 the ideal solution for space-constrained applications.

Product Highlights

<0.6 Ω over full temperature range of -40°C to +125°C.

High current handling capability (400 mA continuous current at 5 V).

Low THD + N (0.008% typical).

Tiny 16-ball WLCSP, 16-lead LFCSP, and 16-lead TSSOP.

Features

1.8 V to 5.5 V operation

Ultralow on resistance

0.4 Ω typical

0.6 Ω maximum at 5 V supply

Excellent audio performance, ultralow distortion

0.07 Ω typical

0.14 Ω maximum RON flatness

High current carrying capability

400 mA continuous

600 mA peak current at 5 V

Automotive temperature range: -40°C to $+125^{\circ}\text{C}$

Rail-to-rail switching operation

Typical power consumption ($<0.1 \mu\text{W}$)

Application

Cellular phones

PDA's

MP3 players

Power routing

Battery-powered systems

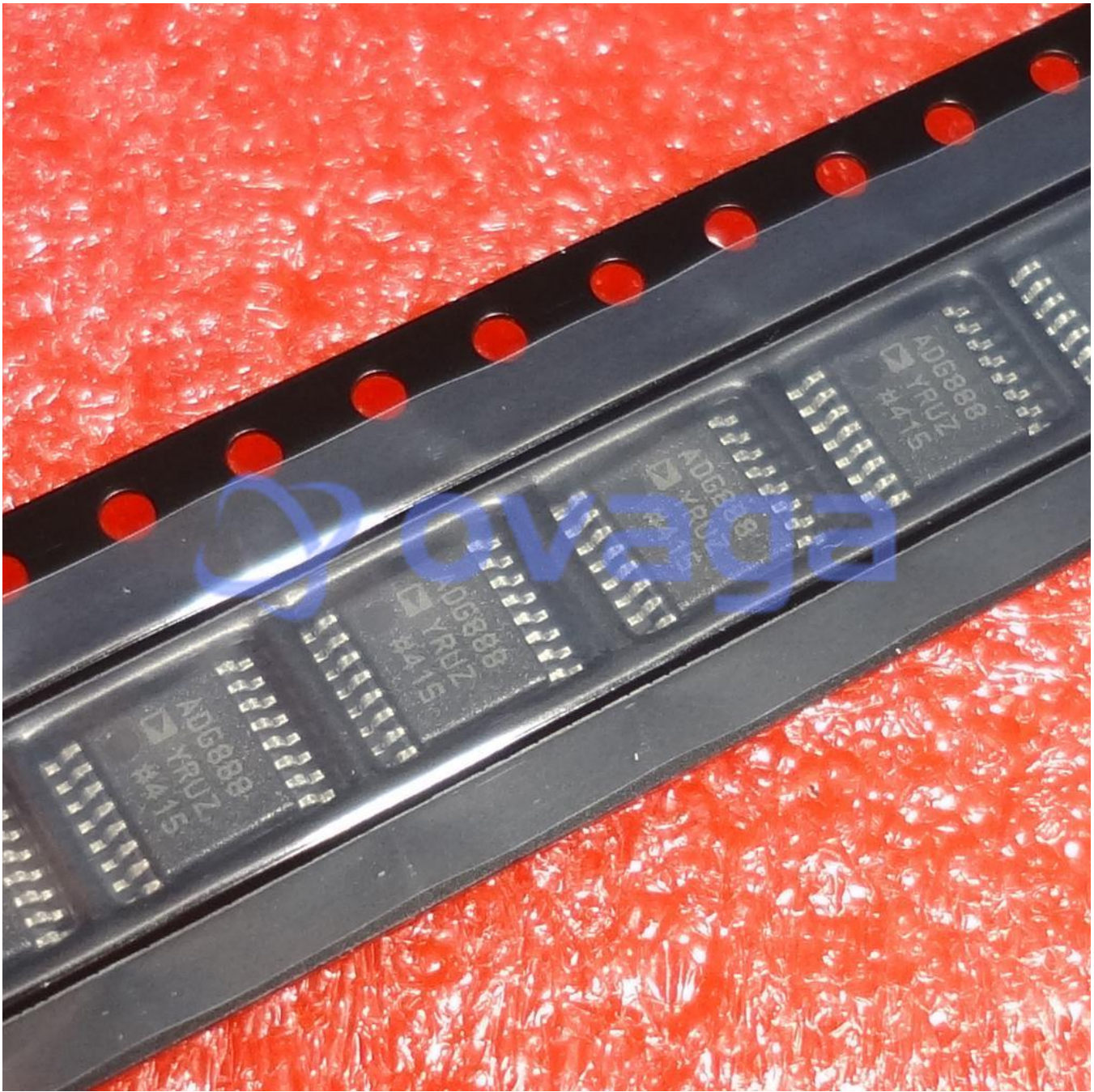
PCMCIA cards

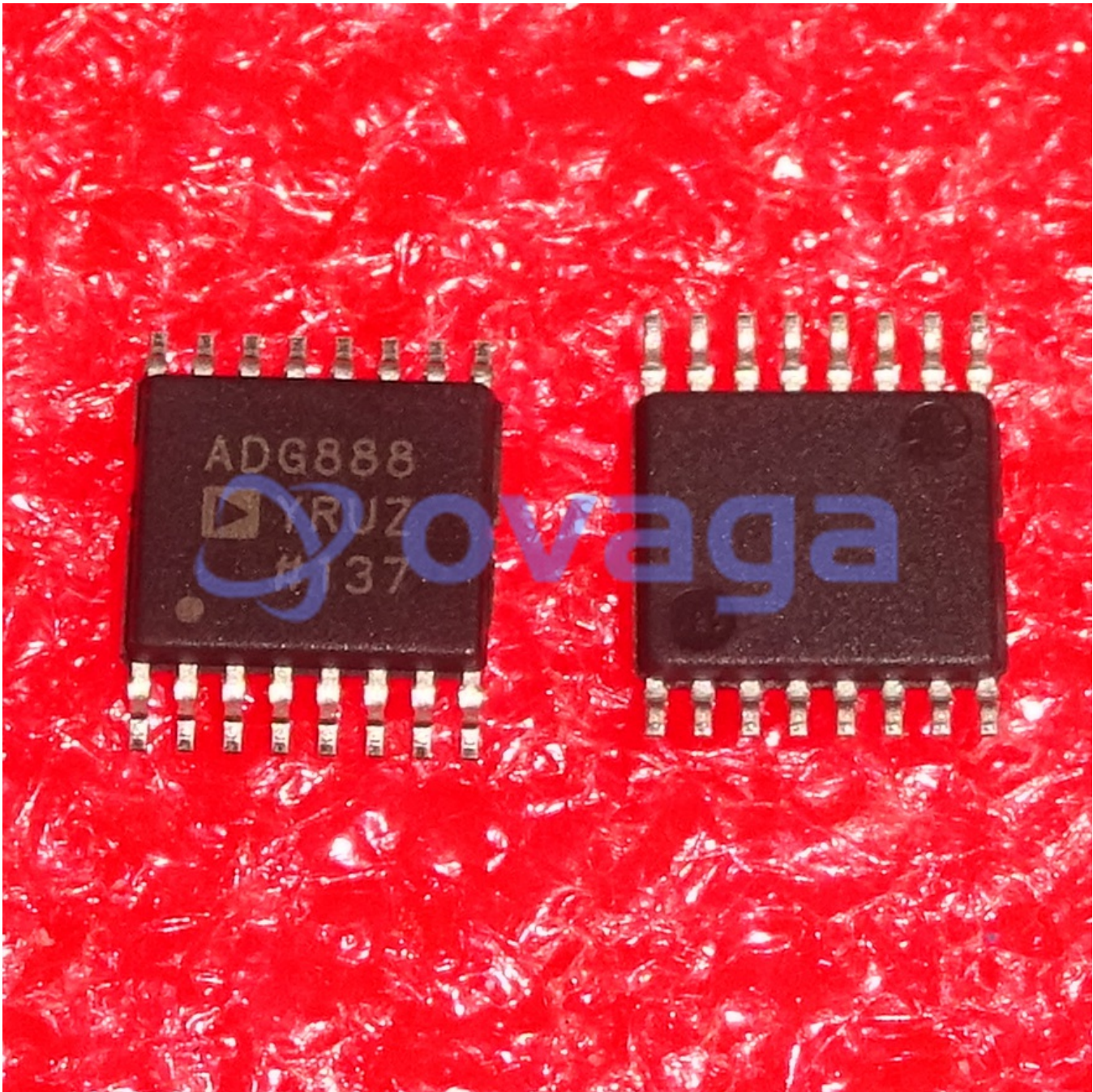
Modems

Audio and video signal routing

Communication systems

Data switching





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



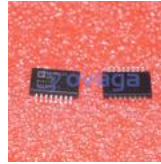
[ADV7390BCPZ](#)

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QFN32



[ADV7341BSTZ](#)

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LQFP-64



[ADUM4160BRIZ](#)

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