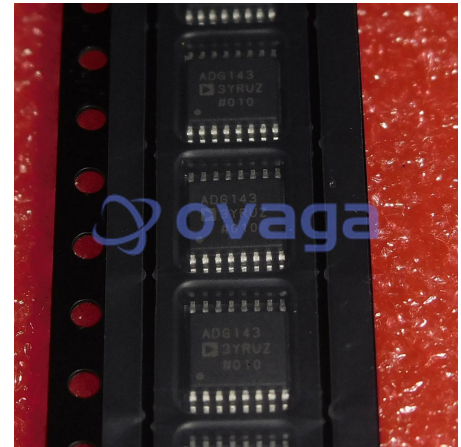


4 OHM RON, Triple/Quad SPDT +/-15 V/+12 V/+5 V iCMOS Switches

Manufacturers	Analog Devices, Inc
Package/Case	TSSOP-16
Product Type	Interface - Switches, Multiplexers, Demultiplexers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADG1433YRUZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADG1433 and ADG1434 are monolithic industrial CMOS(iCMOS®) analog switches comprising three independentlyselectable single-pole, double-throw (SPDT) switches andfour independently selectable SPDT switches, respectively.

All channels exhibit break-before-make switching action thatprevents momentary shorting when switching channels. An ENinput on the ADG1433 (LFCSP and TSSOP) and ADG1434(LFCSP only) is used to enable or disable the device. Whendisabled, all channels are switched off.

The iCMOS modular manufacturing process combines highvoltage, complementary metal-oxide semiconductor (CMOS),and bipolar technologies. It enables the development of a widerange of high performance analog ICs capable of 33 V operationin a footprint that no other generation of high voltage deviceshas been able to achieve. Unlike analog ICs using a conventionalCMOS process, iCMOS components can tolerate high supplyvoltages while providing increased performance, dramaticallylower power consumption, and reduced package size.

The ultralow on resistance and on resistance flatness of theseswitches make them ideal solutions for data acquisition and gainswitching applications, where low distortion is critical. iCMOSconstruction ensures ultralow power dissipation, making thedevices ideally suited for portable and battery-poweredinstruments.

Features

4.7 Ω maximum on-resistance at 25°C

0.5 Ω on-resistance flatness

Fully specified at ± 15 V/ $+12$ V/ ± 5 V

3 V logic-compatible inputs

Up to 115 mA continuous current per channel

Rail-to-rail operation

Break-before-make switching action

16-/20-lead TSSOP and 4 mm \times 4 mm LFCSP

Application

Relay replacement

Audio and video routing

Automatic test equipment

Data acquisition systems

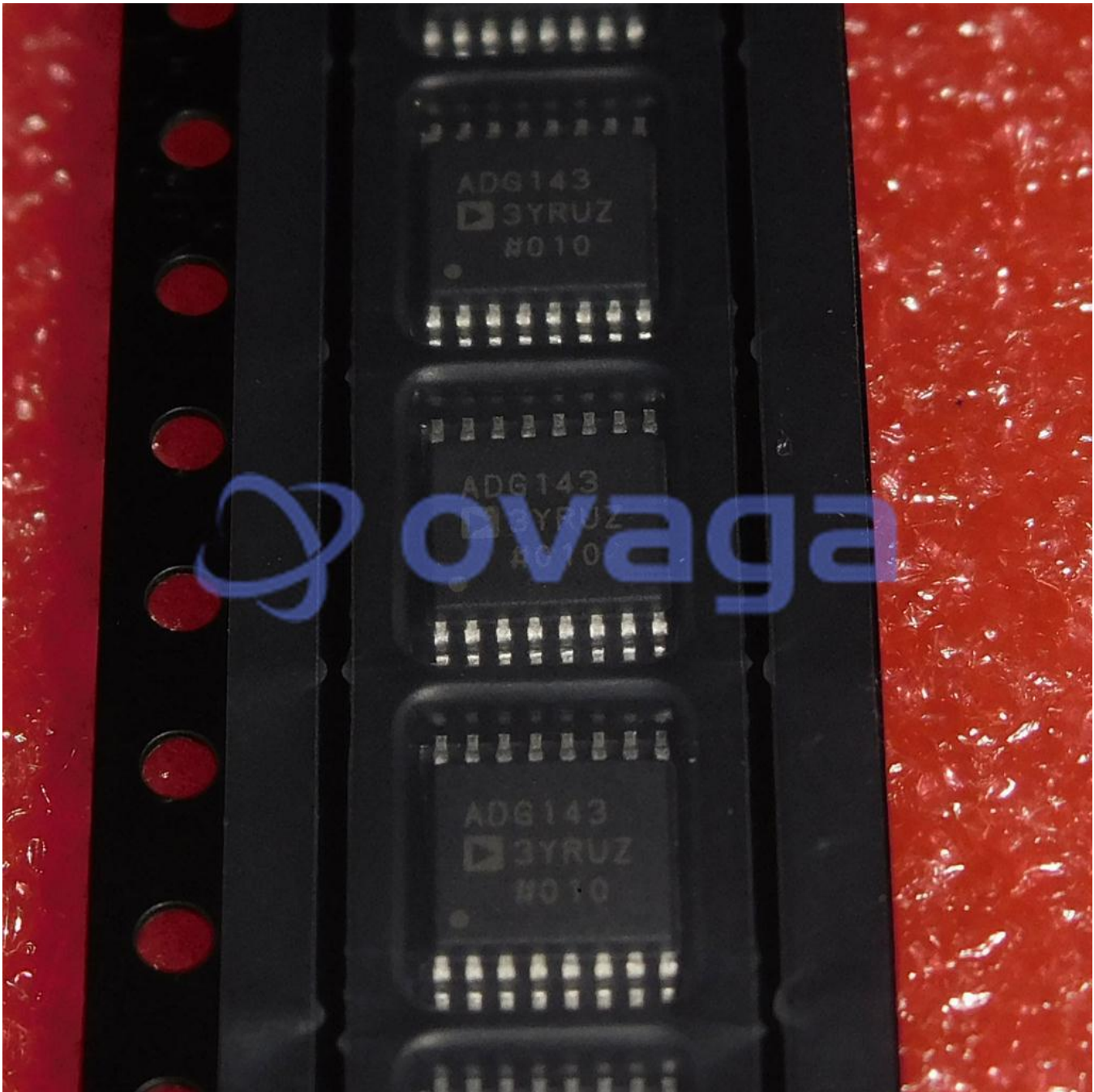
Temperature measurement systems

Avionics

Battery-powered systems

Communication systems

Medical equipment



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



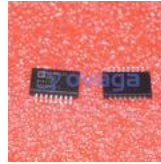
[ADV7390BCPZ](#)

Analog Devices, Inc
QFN32



[ADV7341BSTZ](#)

Analog Devices, Inc
LQFP-64



[ADUM4160BRIZ](#)

Analog Devices, Inc
SOIC-16