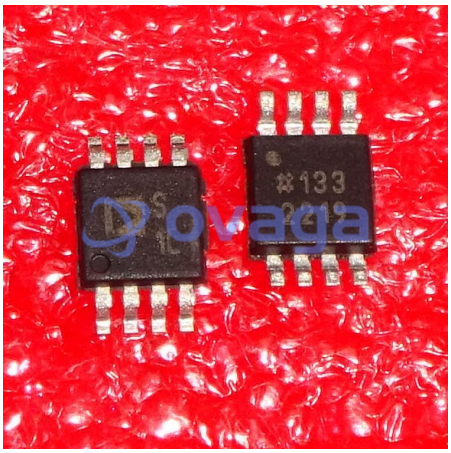
ADG1419BRMZ-REEL7

Data Sheet

Analog Switch Single SPDT 8-Pin MSOP T/R

Manufacturers	Analog Devices, Inc
Package/Case	MSOP-8
Product Type	Analog Switch ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for ADG1419BRMZ-REEL7 or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The ADG1419 is a monolithic iCMOS® device containing asingle-pole/double-throw (SPDT) switch. An EN input on theLFCSP is used to enable or disable the device. When disabled,all channels are switched off.

The industrial CMOS (iCMOS) modular manufacturing processcombines high voltage, complementary metal-oxide semiconductor(CMOS) and bipolar technologies. It enables the developmentof a wide range of high performance analog ICs capable of33 Voperation in a footprint that no other generation of high voltageparts has achieved. Unlike analog ICs using conventional CMOSprocesses, iCMOS components can tolerate high supply voltageswhile providing increased performance, dramatically lowerpower consumption, and reduced package size.

The on-resistance profile is very flat over the full analog inputrange, ensuring excellent linearity and low distortion whenswitching audio signals. The iCMOS construction ensuresultralow power dissipation, making the part ideally suitedfor portable and battery-powered instruments.

Each switch conducts equally well in both directions when onand has an input signal range that extends to the supplies. In theoff condition, signal levels up to the supplies are blocked. TheADG1419 exhibits break-before-make switching action for usein multiplexer applications.

Product Highlights

2.4 Ω maximum on resistance at 25°C.

Minimum distortion.

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

No VL logic power supply required.

8-lead MSOP and 8-lead, 3 mm × 2 mm LFCSP.

Features

2.1 Ω on resistance

0.5 Ω maximum on-resistance flatness at 25°C

Up to 390 mA continuous current

Fully specified at +12 V, ±15 V, ±5 V

No VL supply required

3 V logic-compatible inputs

Rail-to-rail operation

8-lead MSOP and 8-lead, 3 mm × 2 mm LFCSP

Application

Automatic test equipment

Data acquisition systems

Battery-powered systems

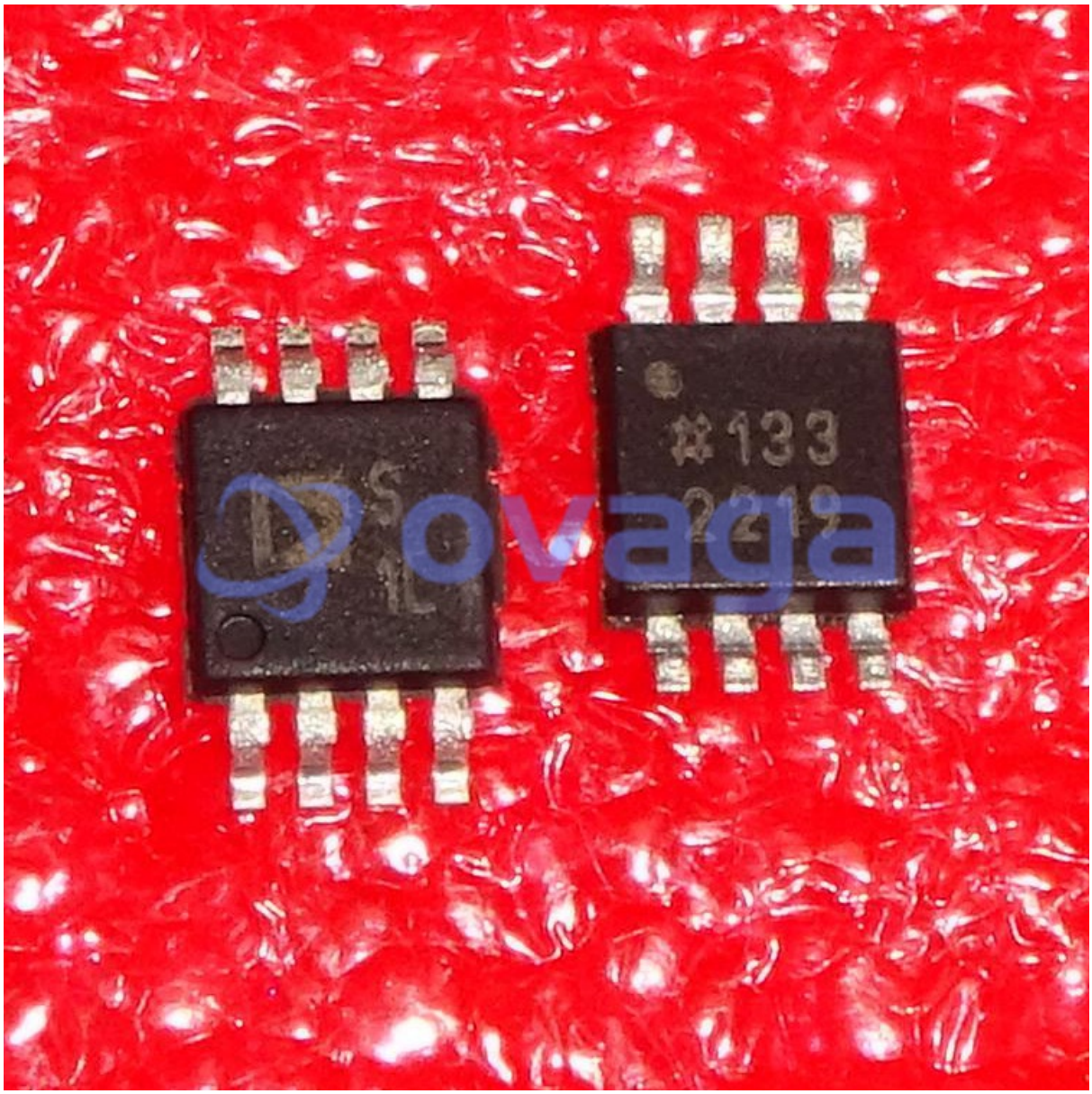
Relay replacements

Sample-and-hold systems

Audio signal routing

Video signal routing

Communication systems



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